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POINT BEACH NUCLEAR POWER PLANT UNITS 1 & 2

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RESOLUTION

RELAY EVALUATION REPORT

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Prepared By:

*Timothy J. Dykstra*  
T. J. Dykstra

12/29/95  
Date

Reviewed By:

*Charles W. Krause*  
Wisconsin Electric Power Co.

1/2/96  
Date

Approved By:

*A. L. Reimer*  
Wisconsin Electric Power Co.

1/16/96  
Date



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## 2.0 RESULTS AND PLANNED ACTIONS

### 2.1 Summary of Results

This section provides a summary of the results of the seismic functionality review of relays affecting USI A-46 safe shutdown components for PBNP. The review was performed in accordance with the methodology and procedures established for the resolution of USI A-46; specifically, the GIP [6.3], the NRC SSER No. 2 [6.4], EPRI NP-7148-SL [6.7], and EPRI NP-7148-SL Volume 2 [6.8]. There were no significant or programmatic deviations from the GIP taken during the USI A-46 relay functionality review.

The relay functionality review process is outlined in Figure 2.1, and explained in detail in Sections 3 and 4. The PBNP Safe Shutdown Equipment List (SSEL) consists of all of the components required to bring the plant to a safe shutdown condition. Section 4 provides an overview of the safe shutdown path selection. The SSEL Report [6.10] provides a detailed description of the safe shutdown equipment selection. From the SSEL, a list of components requiring a relay review, the Relay Review SSEL (R-SSEL), was developed. The R-SSEL contains 755 components.

The Functional Screening (FS) of the control circuits for the components on the R-SSEL identified 2370 relays which were included on the PBNP Associated Relay List (ARL). The associated relay list is provided in Appendix B. Of these relays, 731 relays were screened as chatter acceptable (CA), and 1639 relays were screened as seismic screening required (SS). The relays screened as seismic screening required make up the "essential" relay list. The list of essential relays is found in Appendix C. The essential relays fall into one of the following three (3) categories: 1) a relay specific capacity vs. demand comparison is required, 2) the relay is included in the switchgear rule-of-the-box (SWGR), or 3) the relay is



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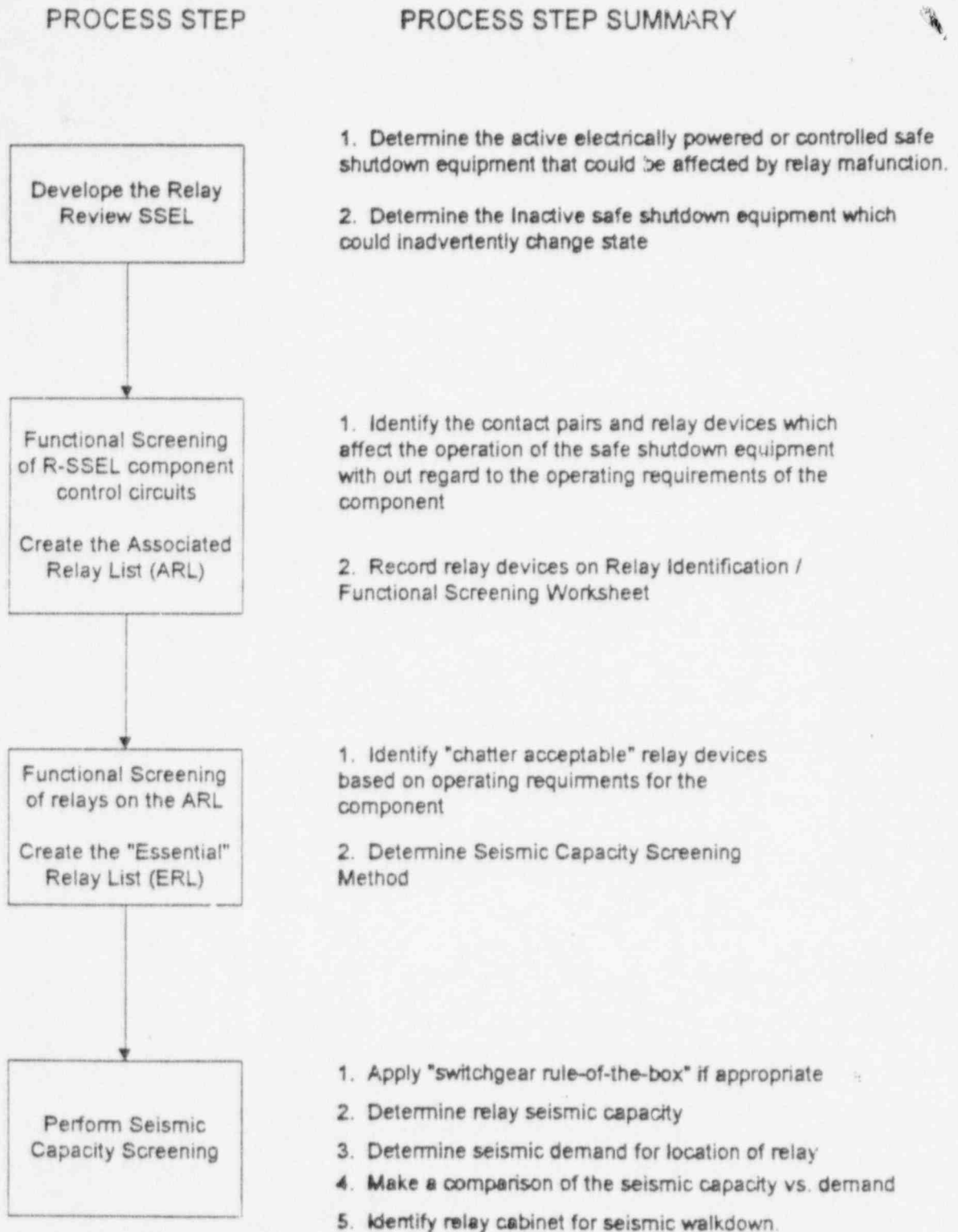


Figure 2.1-1 - PBNP Relay Functionality Review Process Flowchart



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mounted on vibrating equipment such as an air compressor or emergency diesel generator. Section 4.4 explains the categories in more detail. Of the 1639 relays, 1461 relays require a specific capacity vs. demand comparison, 69 relays are seismically adequate based on switchgear rule-of-the-box, and 109 relays are considered seismically adequate by virtue of them being mounted on vibrating equipment.

The seismic capacity screening was performed for the 1461 essential relays requiring the relay specific capacity vs. demand check. The relay seismic capacity data was obtained from EPRI NP-7147 [6.12], EPRI NP-7147, Volume 2, Addendum 1 [6.13], EPRI NP-7147, Volume 2, Addendum 2 [6.14], EPRI NP-5223 [6.15] and equipment specific IEEE Standard 344 [6.9] seismic qualification test data. The relay seismic capacity data is provided in Appendix H. The seismic demand levels used for the seismic capacity screening were derived from the PBNP in-structure response spectra (ISRS) and the estimated in-cabinet amplification factor (AF). The PBNP ISRS were determined to be "conservative-design" ISRS [6.5]. The NRC Staff agreed with this determination [6.6]. The AF used was taken from Appendix I of EPRI NP-7148 [6.7] based on the type of cabinet or enclosure the relay was in. One exception to this was the 4160 VAC vital switchgear, located in the control building vital switchgear room, where a cabinet specific AF was determined. Appendix G provides the PBNP ISRS used for the seismic capacity vs. demand check.

Of the 1461 relays requiring the relay specific capacity vs. demand check, 1329 relays have sufficient seismic capacity and 132 relays are identified as outliers. A relay is considered an outlier if it is a low ruggedness relay or if it has either insufficient seismic capacity or unknown seismic capacity. Eight (8) relays were identified as "bad actor" low ruggedness relays. A total of 124 relays have an unknown seismic capacity.



The relay walkdown verified (via spot check) that the essential relays are properly mounted, that the relay types are correct, and that the known location of the relays based on drawing information is accurate. During the walkdown, fourteen (14) incorrect relay locations were noted. The relay was actually located in the same type of cabinet directly adjacent to the one indicated, and therefore did not affect the outcome of the relay evaluation. All of the cabinets and enclosures containing essential relays were included on the Seismic Walkdown SSEL and verified to be seismically adequate [6.16]. The list of cabinets containing essential relays is found in Appendix E.

## 2.2 Relay Outliers

Appendix D provides a listing of the 132 USI A-46 relay outliers. The 8 relays which are identified as "low ruggedness" relays are the Westinghouse ITH relays. These relays are used in the over-current protection circuit for eight 4160 VAC vital switchgear breakers. The other 124 relays are relays with an unknown seismic capacity, i.e., relays not covered by EPRI NP-7147-SL [6.12, 6.13, 6.14].

The majority of these relays are associated with the control circuits for the G-01 and G-02 emergency diesel generators. The other relays are used in the over-current protection for the 4160 VAC vital switchgear.

## 2.3 Completion Activities

The preferred method for resolving all of the outliers is to determine an accurate seismic capacity of the relays with the use of IEEE Standard 344 test data. For the Westinghouse ITH relay, chatter is not acceptable, therefore, the second option for resolving the outlier is to replace the relays with seismically adequate models. For the other 124 relays with unknown capacity, the second option for resolving each outlier is to evaluate the function of the relay and attempt to screen the relay as chatter acceptable. The third option for resolving the outlier is to



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replace the relay with seismically adequate models. The relay outlier resolution, using one of the options above, is proposed to be complete by January of 1998.





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**3.0 COMMITMENTS, EQUIPMENT SELECTION CRITERIA AND GOVERNING ASSUMPTIONS**

**3.1 SQUG Commitments**

By committing to the SQUG methodology presented in the GIP, WE commits to following these SQUG commitments regarding the identification and evaluation of relays. These commitments include the clarifications, interpretations and exceptions issued by the NRC in SSER #2 [6.4].

**3.1.1 Identification of Relays To Be Evaluated**

The licensee will identify the relays to be evaluated using a two-step process. First, the systems to be examined will be those identified pursuant to Section II.3, "Identification of Safe Shutdown Equipment," of the GIP [6.3]. Using this approach, the licensee will develop a Safe Shutdown Equipment List (SSEL) for relays which will include: (1) electrically controlled or powered safe shutdown equipment whose function could be affected by relay malfunction, and (2) inactive safe shutdown equipment for which relay malfunction could cause spurious operation. Second, plant electrical drawings of the circuits associated with the above safe shutdown equipment will be used to identify relays to be evaluated. Certain additional assumptions will be used to establish the scope of the relay review:

- Relays will not be damaged by the earthquake, with the exception of certain particularly fragile types.
- Unqualified relays are assumed to malfunction during the short period of strong motion during an earthquake.



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- Relay types to be reviewed include auxiliary relays, protective relays, contactors, control switches, and other similar contact devices occurring in circuits controlling the systems identified.
- Solid state relays and mechanically-actuated switches are considered to be seismically rugged and need not be evaluated for contact chatter.

3.1.2 Evaluation of Consequences of Relay Malfunction

The licensee will evaluate the relays as set forth in Section II.6.1.1, "Identification of Relays to be Evaluated," of the GIP, as described in Section 3.1.1 above, for the consequences of relay malfunction on safe shutdown functions. The relays whose malfunction will not prevent achievement of any safe shutdown function and will not otherwise cause unacceptable spurious actuation of equipment will not be further evaluated.

The seismic adequacy of the remaining essential relays will be verified to assure that safe shutdown can be achieved and maintained in the event of a Safe Shutdown Earthquake (SSE).

3.1.3 Assessment of Relay Seismic Adequacy

The licensee will verify the seismic adequacy of the essential relays identified pursuant to Sections II.6.1.1, "Identification of Relays to be Evaluated," and II.6.1.2, "Evaluation of Consequences of Relay Malfunction," of the GIP, as described in Sections 3.1.1 and 3.1.2 above, by comparing the relay seismic capacity to the seismic demand imposed upon the relay. Three types of data can be used to establish the seismic capacity of essential relays:

- Generic Equipment Ruggedness Spectra (GERS)



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- Earthquake Experience Data
- Plant-specific or relay-specific seismic test data

3.1.4 Relay Walkdown

The licensee will conduct one or more walkdowns, as needed, to accomplish four objectives:

- Obtain information as required to determine in-cabinet amplification, including identification of cabinets, panels and/or racks which house or support essential relays.
- Verify the seismic adequacy of the cabinets or enclosures which support essential relays.
- Spot check relay mountings.
- Spot check relay types and locations.

The relay walkdowns may be accomplished together with, or separate from, the main USI A-46 walkdown conducted pursuant to Section II.4, "Screening Verification and Walkdown," of the GIP.

3.2 Criteria and Governing Assumptions

For resolution of USI A-46 it is not necessary to verify the seismic adequacy of all plant equipment defined as Seismic Class 1 in NRC Regulatory Guide 1.29. Instead, only those systems, subsystems, and components required to bring the plant from a normal operating condition to a safe shutdown condition are included in the scope of USI A-46. As a result, the scope of



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the seismic verification review is limited to equipment which provides functions necessary for achieving and maintaining safe shutdown.

3.2.1 Safe Shutdown Equipment Selection Criteria

The criteria and assumptions needed to define the systems and equipment which are needed to bring the plant to a safe shutdown condition are described in detail in Section II.3, "Identification of Safe Shutdown Equipment," of the GIP and the SSEL Report [6.10] and are summarized as follows:

- 3.2.1.1 The plant should be brought to a hot shutdown condition (as defined by the Technical Specifications [6.11]) and maintained there during the 72 hours following the SSE.
- 3.2.1.2 The earthquake does not cause a loss of coolant accident (LOCA) or other such events.
- 3.2.1.3 A LOCA is not postulated to occur simultaneously with or following the SSE.
- 3.2.1.4 Offsite AC power may be lost during or after the SSE.
- 3.2.1.5 There should be sufficient redundancy such that the failure of the active function of a single item of safe shutdown equipment may occur without losing the ability to achieve and maintain safe shutdown conditions.

3.2.2 Relay Review Equipment Selection Criteria

The safe shutdown equipment required to undergo the relay functionality review is a subset of equipment on the SSEL. The Relay Review SSEL is developed based on the following criteria [6.3, Section II.6.3.2]:



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3.2.2.1 Active safe shutdown equipment which is electrically controlled or powered and whose function could be affected by relay malfunction is selected for relay review.

3.2.2.2 Inactive safe shutdown equipment which could inadvertently change state or become active due to relay malfunction and result in unacceptable consequences is selected for relay review.

3.2.3 Relay Functionality Review Governing Assumptions

In addition to the equipment selection criteria stated above, the following specific assumptions provide the bases for the relay evaluation:

3.2.3.1 The safe shutdown earthquake (SSE) period of strong motion is assumed to last for a period of 30 seconds. The SSE event is described in more detail in Section 3.4 of the SSEL Report [6.10].

3.2.3.2 Unqualified relays are assumed to malfunction during the short period of strong motion during an earthquake. Such a malfunction, typically chatter, may result in loss of system function or inadvertent actuation of systems during the strong shaking period. It is also possible that relay malfunction during strong shaking can result in unacceptable seal-in or lockout of specific circuits which are designed to have this feature. In such cases, operator actions to reset or restore such circuits to their original condition may be acceptable provided there is sufficient time, awareness, access and procedures for the operators to take this action.

3.2.3.3 "Chatter" is the inadvertent opening/closing of a contact with sustained output of  $\geq 2$  milliseconds (ms).

3.2.3.4 Earthquake experience data and test data show that, in general, relays are not structurally damaged during an earthquake. Therefore, with the exception of two specific relay models, General Electric IJD (non 1E class) and English Electric YCG [6.7, Appendix E], it is assumed that relays are not damaged as a result of the earthquake and will be functional after the period of strong shaking.



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3.2.3.5 Relay types to be evaluated under this program include those devices which are provided to cause contact operation in electric control circuits. In general, they fall into three categories:

- The largest category is designated auxiliary relays. This category typically includes electromechanical, pneumatic timing and solid state relays used for general purpose control, blocking, closing, lockout, seal-in and other logic or control functions.
- A second category includes protective electromechanical and solid state relays whose function is to protect equipment from system faults and other abnormal or dangerous conditions by automatically initiating appropriate control circuit action. Protective relays include over-current and under-voltage relays.
- The third general category of relays is contactors. A contactor is a heavy duty relay which may carry significant amounts of current. It is distinguished from a circuit breaker such as is used in switchgear in that its contacts are moved by a small solenoid-type mechanism rather than by compressed springs or other actuating mechanisms.



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**4.0 RELAY FUNCTIONALITY REVIEW**

**4.1 Methodology**

The methodology for evaluating the seismic functionality of relays is based on a four-part screening and evaluation process. The first part of the screening process identifies a set of plant systems and components which are required to function to maintain the plant in a safe condition during and immediately following the safe shutdown earthquake (SSE). This screening process results in a list of plant equipment which makes up the PBNP Safe Shutdown Equipment List (SSEL). The SSEL Report [6.10] describes the PBNP safe shutdown path and equipment selection. The second part of the screening process develops the Relay Review SSEL by screening the equipment on the SSEL based on the equipment function. The third part of the screening process is a "functional screening" consisting of the identification and screening of the relays in the control circuits of the equipment of the Relay Review SSEL (R-SSEL). This screening results in a list of "associated" relays and a list of "essential" relays. The fourth part of the screening and evaluation process is to assess the seismic ruggedness of the essential relays. The steps used for each part of the relay functionality review are based on the commitments made by WE as described in Section 3 of this report and the guidance provided in Section II.6, "Relay Functionality Review," of the GIP [6.3] and EPRI NP-7148 [6.7, 6.8].

An independent review of the Relay Evaluation Process was performed by a degreed electrical engineer who has attended the SQUG Safe Shutdown Equipment Selection and Relay Screening and Evaluation Course. Input was initially provided on the specific methodology for performing the relay functionality review and then, different steps in the evaluation process were audited. Comments were provided on the process itself as well as detailed comments on



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the R-SSEL and the functional screening results. All of the independent review comments were resolved.

#### 4.2 Safe Shutdown Functions and Systems

Part one of the relay functionality review is to determine the list of equipment required for review. Resolution of USI A-46 requires verification of the seismic adequacy of the equipment necessary to achieve and maintain PBNP in a safe shutdown condition during and for a period of 72 hours following the PBNP SSE. Four system operating functions are considered for achieving and maintaining a safe shutdown condition. These functions are as follows:

- Reactor reactivity control
- Reactor coolant pressure control
- Reactor coolant inventory control
- Decay heat removal

The systems best suited to perform these safe shutdown functions at PBNP are identified following the GIP equipment selection criteria and governing assumptions stated in Section 3 of this report. The following sections provide a summary of the safe shutdown system selection for each of the safe shutdown functions. The SSEL Report provides the detailed equipment selection evaluation.

##### 4.2.1 Reactor Reactivity Control

Systems - The reactivity control function is accomplished by the insertion of negative reactivity into the reactor core shortly after obtaining the signal to





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shutdown. Additional negative reactivity may also be needed to compensate for the combined effects of Xenon-135 decay and reactor coolant temperature decreases. The preferred path for reactivity control considers immediate and long term reactivity control. The immediate method for reactivity control is performed by the reactor protection system (RPS). In addition to the rod control reactivity addition, the reactivity control function relies on the safety injection (SI) system for long term reactivity control.

Instrumentation - The N-40 nuclear instrumentation provides an IEEE-344 qualified nuclear instrument for monitoring neutron flux in the power range, intermediate range and source range. As a backup to the neutron flux monitor, reactivity is controlled by monitoring reactor coolant system (RCS) temperature to ensure positive reactivity is not inadvertently added due to cooldown. In addition, pressurizer level and refueling water storage tank (RWST) level may be monitored and compared to ensure positive reactivity is not inadvertently added due to RCS boron dilution.

#### 4.2.2 Reactor Coolant Pressure Control

Systems - The pressure control function has several elements which should be accomplished to ensure that the RCS is operated properly:

- The RCS pressure should not exceed a maximum pressure.
- The pressure should be maintained within the RCS pressure-temperature limits of the plant's Technical Specifications to prevent reactor vessel brittle fracture.
- There should be sufficient subcooling margin, consistent with plant operating procedures or plant Technical Specifications, to avoid formation of a steam bubble within the reactor vessel and to promote natural circulation between the core and the steam generators.



- The differential pressure across the steam generator tubes should not exceed the pressure-temperature limits of the plant-specific Technical Specifications to prevent leaks and ruptures in these tubes.

The preferred path for reactor coolant pressure control considers both over-pressure protection and under-pressure protection. Over-pressure control is established using two methods. The first method attempts to use the steam generators (S/Gs), the Main Steam (MS) system and the Auxiliary Feedwater (AFW) system to control RCS pressure by controlling RCS temperature once the reactor trip has occurred. The second method relies on the RPS high-pressure reactor trip and the RCS safety valves to assure never reaching the maximum RCS pressure limit. Under-pressure protection is provided by isolating the Chemical and Volume Control System (CVCS) auxiliary spray to the pressurizer, and by completely isolating the S/G thus minimizing the chance of an undesired RCS cooldown. The SI system is used to mitigate underpressure transients.

Instrumentation - The instrumentation used to monitor the reactor coolant pressure control function are RCS pressure, pressurizer pressure instruments and the sub-cooling monitor. In addition, S/G level, S/G pressure, AFW flow rate and AFW pump suction pressure instrumentation are used to monitor the secondary side systems operation.

#### 4.2.3 Reactor Coolant Inventory Control

Systems - The reactor coolant inventory control function is necessary to assure that the reactor core remains covered so that decay heat can be removed during and after the postulated earthquake. The RCS boundary valves and the reactor coolant pump (RCP) thermal barrier protection are used to minimize RCS leakage.



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The Component Cooling Water (CCW) system provides cooling to the RCP thermal barrier. The SI system in conjunction with the RCS Gas Vent system provide the capability for RCS makeup water injection.

Instrumentation - The instrumentation used to monitor the reactor coolant inventory control function are pressurizer level and reactor vessel level instruments. The proper operation of the CCW system is monitored with the CCW surge tank level, CCW heat exchanger outlet temperature and RCP thermal barrier return temperature instruments. The SI pump discharge pressure and flow instruments are used to monitor SI system operation.

#### 4.2.4 Decay Heat Removal

Systems - The decay heat removal function is accomplished by removing decay heat and stored heat from the reactor core and RCS at a rate such that overall RCS temperatures can be lowered to and maintained within acceptable limits. Reactor decay heat is transferred to the S/Gs and heat is removed from the S/Gs by the release of steam to the atmosphere via the S/G safety valves. The AFW system provides the makeup feedwater to the S/Gs.

Instrumentation - The instrumentation used to monitor the reactor decay heat removal function are the RCS core exit thermocouples, RCS pressure, RCS hot leg temperature, and RCS cold leg temperature instruments and the sub-cooling monitor. In addition, S/G level, S/G pressure, AFW flow and AFW pump suction pressure instruments are used to ensure the proper operation of the secondary side systems.



#### **4.3 Relay Review Safe Shutdown Equipment List**

The second part of the relay functionality review is to develop the R-SSEL. The R-SSEL is developed in accordance with the criteria in Section II.3, "Identification of Safe Shutdown Equipment," and Appendix A, "Procedure for Identification of Safe Shutdown Equipment," of the GIP, described in Section 3 of this report. The R-SSEL consists of only electrically powered or controlled equipment that could be affected by the malfunction of a relay. The equipment selected must operate or change state to accomplish the required safe shutdown function, or if not required to operate, may inadvertently operate, due to a relay malfunction, thus adversely affecting the accomplishment of a safe shutdown function. The R-SSEL, provided in Appendix A, lists the equipment selected for relay review. The list is sorted by system and equipment ID and provides the location (building, elevation and area) of the equipment, the equipment train and the safe shutdown function(s) that the equipment supports. A discussion of the SSE event and the expected plant response is provided in Appendix F.

#### **4.4 Relay Functional Screening**

The third part of the relay functionality review is the relay Functional Screening (FS). The relay FS is based on evaluating the consequences of a malfunction of the associated electrical relays on the system or component performance to determine if proper function of the relays is essential to safe shutdown. Relays whose malfunction is acceptable need not be seismically rugged. This screening process only screened out relays which were easily identifiable as "chatter acceptable." This screening process is intended to reduce the number of relays which are considered "essential" to plant safety in the event of an earthquake, and, therefore, to reduce the number of relays whose seismic functionality must be demonstrated.



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The FS was performed by WE Relay Review Engineers with assistance from Science Applications International Corporation (SAIC) Relay Analysts. The FS is documented on the Relay Identification/Functional Screening Worksheet, Figure 4.4-1. The worksheet is based on the G.4 Form found in EPRI NP-7148, and contains all of the information required by the G.4 Form plus an additional section used to document cross references for seismic capacity screening.

#### 4.4.1 Sort of Circuit Schematics

For each component on the R-SSEL, the applicable circuit schematics are identified. A complete listing of the schematics used for the review is contained in Section 6.0. The schematics are sorted by "primary" or "cascading" circuit type. A schematic is considered to be "primary" if it represents the direct control circuit of the particular component. If the schematic does not indicate corresponding coils for one or more associated device contacts, the coil may be indicated on an additional schematic; this type of schematic is referred to as "cascading."

#### 4.4.2 Circuit Screening

The next step in the FS process is to perform a circuit analysis on the control circuits which contain the relay, and other contact device, contact-pairs in the control paths for the R-SSEL equipment. The analysis is performed on the direct control circuits shown on the primary schematics and the supporting control circuits shown on the cascading schematics. The purpose of this step is to develop an initial list of relays which affect operation of the safe shutdown equipment. For each relay the relay manufacturer and model, the relay location, the relay coil drawing, and the relay screening status code are documented on the Relay Identification / Functional Screening Worksheet. For the primary schematics, all of the relay contact-pairs and other contact devices are recorded.

**A-46 RELAY SCREENING AND EVALUATION  
POINT BEACH NUCLEAR PLANT**

**RELAY IDENTIFICATION/FUNCTIONAL SCREENING**

SYSTEM \_\_\_\_\_ SUBSYSTEM/COMPONENT \_\_\_\_\_

PAGE \_\_\_\_\_ OF \_\_\_\_\_  
UNIT \_\_\_\_\_ 1 \_\_\_\_\_ 2 \_\_\_\_\_ 0

NA<sup>1</sup> (Component *Not Affected* by relays)

Relay Drawing Review

| Ref. Drawing<br>(incl Rev #) | Contact/Contact<br>Group | Relay Mfg.<br>& Model | Location<br>(Cab ID) | Relay Coil<br>Drawing | Status <sup>2</sup> |
|------------------------------|--------------------------|-----------------------|----------------------|-----------------------|---------------------|
|                              |                          |                       |                      |                       |                     |
|                              |                          |                       |                      |                       |                     |
|                              |                          |                       |                      |                       |                     |
|                              |                          |                       |                      |                       |                     |
|                              |                          |                       |                      |                       |                     |
|                              |                          |                       |                      |                       |                     |
|                              |                          |                       |                      |                       |                     |
|                              |                          |                       |                      |                       |                     |

Cross-References

| Relay | Relay Coil<br>Drawing | Screening Cross-Reference<br>(Comp. ID, MCC, SWGR, ...) |
|-------|-----------------------|---|
|       |                       |   |
|       |                       |   |
|       |                       |   |
|       |                       |   |
|       |                       |   |

Prepared by \_\_\_\_\_ Date \_\_\_\_\_

Reviewed by \_\_\_\_\_ Date \_\_\_\_\_

<sup>1</sup> Provide brief description of component to explain use of NA.

<sup>2</sup> Identify status of contact/contact group using one of the following codes

- NV** *Not Vulnerable* (mechanically actuated contacts and solid state relay).
- SS** Requires *Seismic Screening* Attach SEISMIC CAPACITY ANALYSIS Form.
- CA** *Character Acceptable* per light functional screening results. Attach LIGHT FUNCTIONAL SCREENING NOTES form and provide brief explanation.
- CR** Relay evaluated via another component or screening method (e.g. MCC, SWGR). Provide information in the Cross-References table.  
No entry required.

**Figure 4.4-1 Relay Identification / Functional Screening Worksheet**



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For the cascading schematics, the relays that have all of their contact pairs controlling annunciators and/or alarm devices, or controlling only equipment not listed on the SSEL are screened out and not recorded on the Relay Identification / Functional Screening Worksheets.

Contact pairs that are listed on the Relay Identification / Functional Screening Worksheets are screened into one of four categories; 1) Not Vulnerable, 2) Chatter Acceptable, 3) Cross Referenced, or 4) Seismic Screening Required. The screening for each of these four categories is explained in the following sections.

#### 4.4.3 Elimination of Seismically Rugged Devices

Solid state relays and mechanically actuated contacts / switches are considered inherently rugged. These devices are screened as not vulnerable (NV) in the Status column on the worksheets and require no additional evaluation [6.7, Section 3.3.1]. Examples of mechanically actuated contacts are torque switch and limit switch contacts and manual control switch contacts. The relay devices screened as NV are not included on the ARL.

#### 4.4.4 Chatter Acceptable Relays

With the exception of two relay models, General Electric IJD (non 1E class) and English Electric YCG [6.7, Appendix E], relays are not considered to be permanently damaged as a result of the earthquake. The relay malfunction that is expected is contact chatter. As stated in the definitions in Section 1.5, the contact chatter is considered a malfunction if it results in a sustained electrical signal output for greater than or equal to 2 milliseconds. Each relay that is considered to be vulnerable to seismic excitation is analyzed to determine if contact chatter is acceptable. This analysis is based on the function of the relay in the control circuit. The bases and explanations for why relays were categorized



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as chatter acceptable are found in Appendix B and Appendix F. For relays that are chatter acceptable, the chatter malfunction is only considered to occur during the 30 second period of earthquake strong motion. The relay is required to function after the earthquake. To ensure the relay and the associated control circuit are not permanently damaged as a result of the earthquake, the cabinet that the relay is located in is identified for seismic verification and included on the Seismic Review SSEL.

4.4.5 Essential Relay Seismic Capacity Screening

Relays which are not screened as being "not vulnerable" or "chatter acceptable" in the initial steps of the FS are required to have sufficient seismic capacity such that they will function as required during the period of strong motion. These relays are considered the "essential" relays and make up the essential relay list. The relay status is indicated as either Cross Referenced (CR) or Seismic Screening Required (SS) on the Relay Identification / Functional Screening Worksheet.

Cross reference screening of the relay is done for one of two reasons:

- 4.4.5.1 The relay is identified on another Relay Identification / Functional Screening Worksheet for a different subsystem or component with a status of seismic screening (SS) required. This cross referencing is done to eliminate duplicate entries of relays on the "associated" and "essential" relay lists. For this cross referencing, the other subsystem or component is listed in the Cross Reference table on the worksheet. This occurs when the same relay has multiple contact pairs and the different contact pairs are in the control circuits for more than one component. This may also occur on a "cascading" drawing where the circuit on the "cascading" drawing affects more than one "primary" drawing circuit.
- 4.4.5.2. **Switchgear "Rule-of-the-Box"** - The relay directly controls the operation of switchgear. This cross referencing is applicable when 1) the switchgear that the relay is in is shown to be seismically adequate in accordance with Section II.4, "Screening Verification and Walkdown," of the GIP, and





2) the relay is not one of the low ruggedness relays listed in Appendix E of EPRI NP-7148 [6.3, Section II.6.4.2]. The only relays seismically screened using the switchgear rule-of-the-box screening were the breaker X and Y coils and the breaker auxiliary contacts.

For the relays not cross referenced, relay seismic capacity screening is done as discussed in Section 4.5.

#### 4.5 Relay Seismic Capacity Screening

This section summarizes the screening method for evaluating the seismic capacity of essential relays (those relays identified using the method described in Section 4.4, above) compared to the seismic load (demand) imposed upon them by an SSE seismic event. The seismic capacity screening is based on the guidance in the GIP [6.3], EPRI NP-7148-SL [6.7], USNRC Generic Letter 87-02, Supplement 1 [6.4] and EPRI NP-7148-SL, Volume 2: Addendum [6.8].

Under current design and licensing criteria for nuclear power plants, relays in safety-related systems are qualified by shake table tests, most often in the specific cabinet or panel arrangement in which they are mounted. This is generally not practical for older operating plants nor is it necessary since actual experience with power plants which have undergone strong earthquakes has not shown significant or widespread problems with standard power plant equipment, including most relays. Therefore, this alternative to formal qualification testing has been developed which uses available seismic test data and actual earthquake experience data to establish the seismic capacity of a wide variety of relay types. A method for determining the seismic demand on an essential relay in a cabinet is also included in this screening method [6.3, Section II.6.4].



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A relay is considered to be seismically adequate if either one of the following conditions is met; 1) the relay is physically mounted on equipment which vibrates considerably during normal operation or 2) the relay's seismic capacity exceeds the seismic demand for the location where the relay is mounted.

Subsection 4.5.1 explains the judgement used for relays mounted on vibrating equipment. Subsections 4.5.2 and 4.5.3 describe the method for: 1) establishing the seismic capacity of relays, and 2) establishing the seismic demand on the relays and comparing this capacity to the seismic demand. The PBNP Seismic Capacity vs Demand Screening process is illustrated in Figure 4.5-1

#### 4.5.1 Relays Mounted on Vibrating Equipment

Earthquake experience database equipment class 12, Air Compressors, and equipment class 17, Engine Generators, contain equipment which have control circuit components mounted in instrumentation and control cabinets that are mounted to a common skid with the air compressor or engine generator. The equipment class includes the control circuit components as "rule-of-the-box" with the equipment. Vibration of equipment in these classes during normal operation is considered to be more severe than the vibration induced by a seismic event. As a result, the components mounted in the instrumentation and control cabinets on the equipment skid are considered to be seismically adequate based on their requirement to function during normal operation of the equipment.

This screening of instrumentation and control circuit components for engine generators or air compressors is not specifically addressed in the guidance for the relay review found in the GIP [6.3]. However, it is determined to be appropriate based on the description of each of the equipment classes in Appendix B of the



GIP. For essential relays mounted on equipment class 12 and equipment class 17 equipment, a check for low ruggedness relays is not required.

#### 4.5.2 Seismic Capacity of Relays

Three methods can be used to establish the seismic capacity of essential relays; 1) Generic seismic test data, 2) Earthquake experience data, and 3) Relay-specific test data. For the PBNP Relay Functionality Review all three methods are utilized, with the generic seismic test data being the most widely used.

##### Generic Seismic Test Data.

Available seismic test data on a variety of types of relays have been either gathered or generated, evaluated, and consolidated by SQUG. These data have been reduced to Generic Equipment Ruggedness Spectra (GERS). For relays, the GERS are documented in EPRI NP-7147-SL [6.12], EPRI NP-7147-SL, Volume 2: Addendum 1 [6.13], and EPRI NP-7147-SL, Volume 2: Addendum 2 [6.14]. For other relay devices not included in NP-7147, the GERS are documented in EPRI NP-5223-SL [6.14]. The GERS define seismic acceleration levels below which relays can be expected to function without chatter or other damage. The GERS are seismic response spectra within which a class or subclass of relays has functioned properly during shake-table tests. In some cases the GERS are based on "success" data (that is, seismic test spectra for which no relay malfunction occurred). In this case, the test spectra for one or more relays in a given class represent a lower bound of the seismic ruggedness of the class. In other cases, the GERS may be based on "fragility" data (that is, seismic response spectra in which failures or malfunctions occurred). In this case, the GERS represent an upper bound of the seismic ruggedness of the relay class. Where both success and fragility data are available for a given relay class, the GERS fall between the two spectra. Engineering judgment was used in developing the GERS level to



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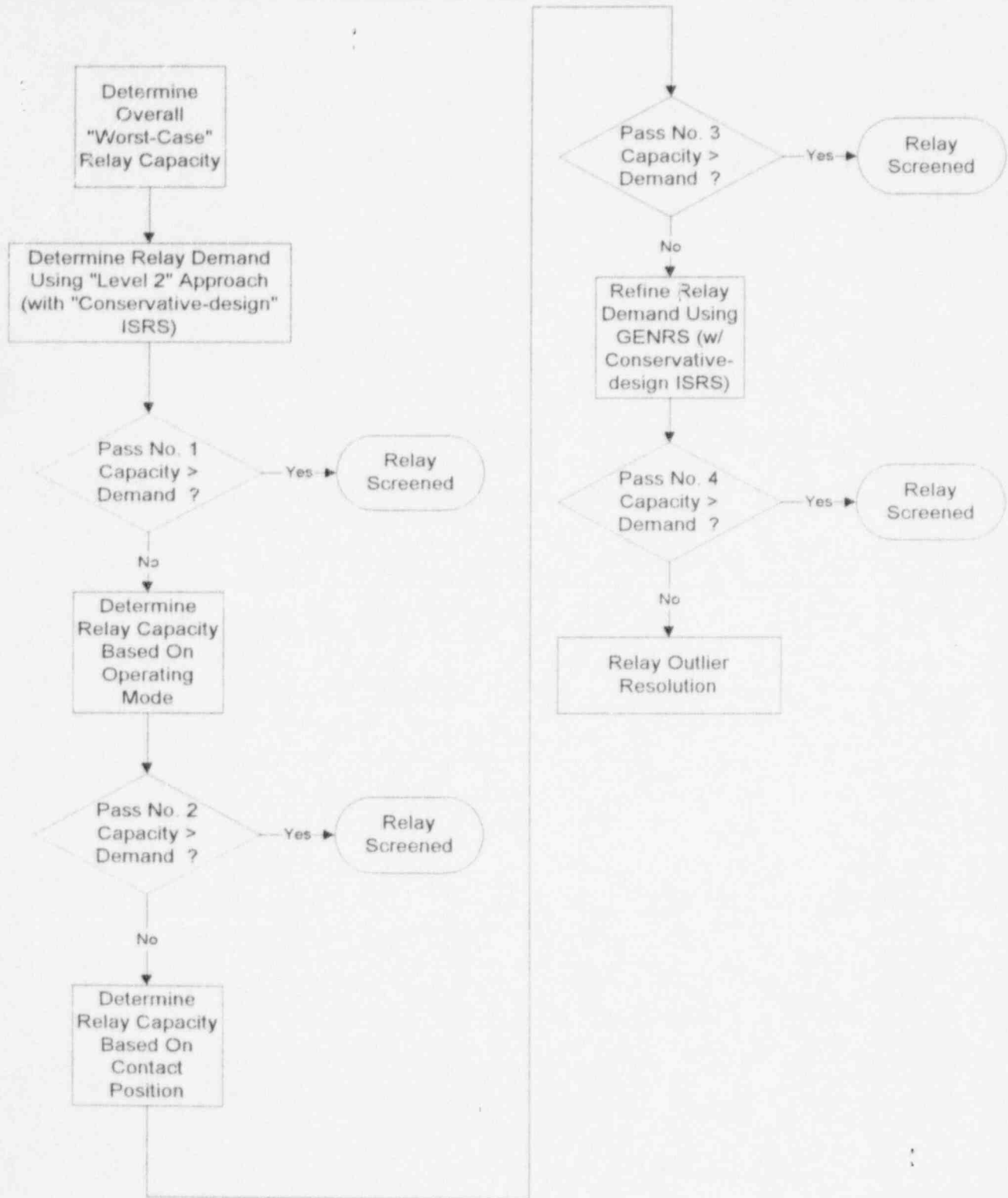


Figure 4.5-1 - PBNP Seismic Capacity Screening Process Flowchart



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smooth out sharp peaks and valleys in the test response spectra. EPRI NP-7147 and EPRI NP-5223 provide a detailed discussion of the GERS development. An example GERS for several auxiliary relay types is shown in Figure 4.5-2. A normalized GERS shape is illustrated at the top of this figure; GERS levels (i.e., the peak acceleration) for example relays are tabulated at the bottom of this figure. The GERS capacity is defined with both the GERS shape and the Peak Spectral Acceleration (PSA) value. For the seismic capacity screening, the relay capacity at both the PSA value between the 4 Hz and 16 Hz natural resonance frequencies, and the Zero Period Acceleration (ZPA) value associated with a natural resonance frequency greater than 33 Hz is required.

The GERS data package for a given relay or family of relays establishes a checklist of conditions which must be satisfied prior to assigning the GERS capacity value to the relay being evaluated. The checklist consists primarily of verifying that the make and model of the relay being evaluated match those included in the GERS data package test database. This is done based on relay information found on the electrical schematic drawings and when necessary, relay information recorded during the field walkdown as discussed in Section 4.7. Different GERS values are provided for each potential operating state of the relay: 1) non-operate normally open contacts, 2) non-operate normally closed contacts, 3) operate normally open contacts, and 4) operate normally closed contacts. Non-operate means that the relay coil is de-energized and operate means that the relay coil is energized. The FS performed in Section 4.4 above did not identify the operating state of the relay during normal plant operation. Therefore, as shown in Figure 4.5-1, for the purpose of the initial seismic capacity screening, the worst case (lowest) GERS relay capacity was assigned.



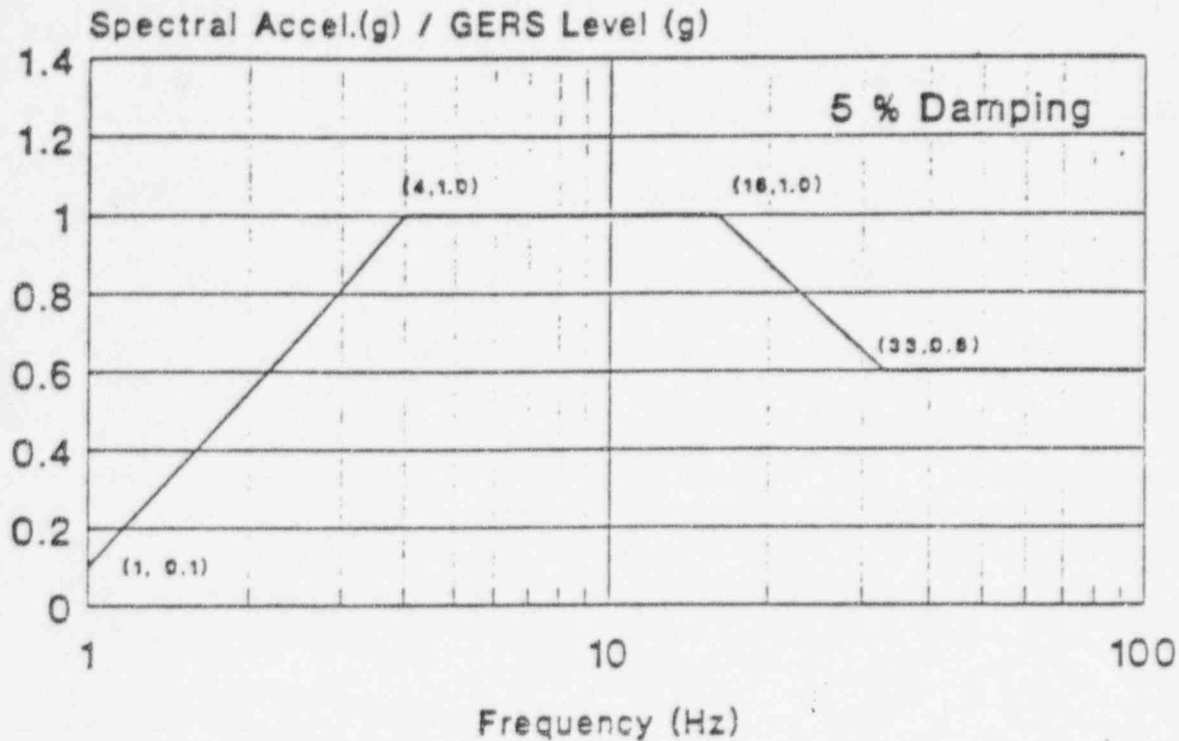
### Earthquake Experience Data

Data have been obtained on relay performance, specific failures, relay vulnerabilities, and other information from actual earthquake experience in power plants and other facilities which have undergone significant earthquakes. This information has been used to identify unacceptable relay types, referred to as "bad actors" which are known to be susceptible to damage or chatter due to moderate shaking. Twenty three relay types have been identified as bad actors [6.7, Appendix E]. Two of these 23 relay types, the GE IJD (non 1E) and the English Electric YCG, have experienced permanent damage due to earthquakes and must be assumed to be inoperable following an SSE level earthquake. Based on earthquake experience data and on test data, solid state relays and mechanically-actuated switches are considered seismically rugged and need not be evaluated for relay chatter. A "bad actor" search is performed on the PBNP list of relays developed through the FS process in Section 4.4 above. The results of the "bad actor" search are discussed in Section 5.

### Relay-Specific Test Data

The GERS and earthquake experience data discussed above apply to the majority of installed relay types in essential circuits. Relay-specific seismic test data, where available, is also used. This seismic testing is performed in accordance with IEEE Standard 344, "IEEE Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations" and/or ANSI/IEEE Standard C37.98, "IEEE Standard Seismic Testing of Relays."

Normalized Relay GERS  
Auxiliary, Industrial Type 2 (300V)



| Type and Submodel<br>Identification | GERS Level <sup>1</sup> |                 |                    |
|-------------------------------------|-------------------------|-----------------|--------------------|
|                                     | Non-Operate             |                 | Operate            |
|                                     | NO <sup>2</sup>         | NC <sup>2</sup> | NO/NC <sup>2</sup> |
| Make #1, Model A                    | 10                      | 9               | 10                 |
| Make #2, Model A                    | 10                      | 9               | 10                 |
| Make #2, Model B                    | 10                      | - <sup>3</sup>  | 10                 |
| Make #3, Model A                    | 10                      | 9               | 10                 |
| Make #4, Model A                    | 10                      | 5               | 10                 |
| Make #5, Model A                    | 10                      | 10              | 10                 |

1 "GERS Level" is the spectral acceleration (g) from 4 to 16 Hz for 5% damping.

2 "NO" = Normally Open; "NC" = Normally Closed; "NO/NC" = Change State.

3 "-" = Data not available.

Figure 4.5-2 - GERS for Auxiliary Relays (Source: Ref 6.12)



#### 4.5.3 Seismic Capacity Compared to Seismic Demand

The GIP and EPRI NP-7148 provide four methods for comparing the seismic capacity of an essential relay to the seismic demand imposed upon it. These are described below in a multi-level screening approach. The first level of screening uses an approximate, generic capacity screening criterion based on earthquake experience, test experience and analysis. The final screening level is a very detailed, relay-specific and installation-specific analysis and/or test. For each screening level, the capacity versus demand is required to be checked at both the Peak Spectral Acceleration (PSA) between the natural resonance frequencies of 4 Hz to 16 Hz, and at the Zero Period Acceleration (ZPA) associated with a natural resonance frequency greater than 33 Hz. The seismic adequacy of essential relays is verified at PBNP by the successful application of one of these screening methods.

In addition to this screening approach for use with relays in general, a special case is also described below for evaluating the seismic adequacy of relays which control the operation of a switchgear breaker as discussed earlier in Section 4.4.5 under Switchgear "Rule-of-the-Box".

##### Screening Level 1 - High Capacity Relays

This first screening level can be used if the following conditions are met:

- The plant is one of those for which USI A-46 applies and the largest horizontal component of the 5% damped, free-field, Safe Shutdown Earthquake (SSE) ground response spectrum, to which the nuclear plant is licensed, is enveloped by the Bounding Spectrum. Point Beach meets this condition.
- The equipment or cabinet containing the essential relay is mounted at an elevation in the plant which is no higher than about 40 feet above the effective grade of the plant. The effective grade for PBNP is at the 8' elevation above Lake Michigan lake level.





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- The essential relay is not one of the low-ruggedness types listed in Appendix E of EPRI NP-7148.

If the above conditions are met, then an essential relay is sufficiently rugged when the relay is mounted in one of the types of structures defined below and the relay has a seismic capacity at least as large as that given below for each of these structure types:

- When the essential relay is mounted in a cabinet similar to a conventional motor control center (MCC), the relay should have a defined spectral acceleration capacity of 5g or higher. Guidelines for classifying cabinets as MCCs are given in Appendix I of EPRI NP-7148. GERS or relay-specific seismic data (e.g., IEEE-344 and/or IEEE-501 type tests) can be used to establish the spectral acceleration capacity of the essential relay.
- When the essential relay is mounted on an unsupported panel or in a typical conventional switchgear cabinet, or it is mounted on a control room panel or benchboard, the relay should have a defined spectral acceleration capacity of 8g or higher. Guidelines for classifying these types of cabinets and panels are given in Appendix I of EPRI NP-7148. GERS or relay-specific seismic qualification data (e.g., IEEE-344 and/or IEEE-501 type tests) can be used to establish the spectral acceleration capacity of the essential relay.

If the relay is not mounted in one of these types of structures, then the Screening Level 1 method cannot be used and one of the following screening methods should be used instead. Screening Level 1 was not used for any seismic screening (SS) at PBNP.

#### Screening Level 2 - Use of In-Cabinet Amplification Factors

The second screening level for comparing relay seismic capacity to demand is based on: 1) using an in-structure response spectrum (ISRS) at the base of the cabinet containing the relay, 2) multiplying this spectrum by both an appropriate factor of safety (FS) and by an in-cabinet amplification factor (AF), and



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3) comparing this seismic demand to the relay seismic capacity (CAP) based on GERS or relay-specific seismic test data.

This comparison can be illustrated using the following equation:

$$CAP \geq ISRS \times FS \times AF$$

Where:

CAP = seismic capacity of an essential relay based on either:

- Relay GERS (from EPRI NP-7147 [6.12, 6.13, 6.14]) or
- Relay-specific test data using test methods such as IEEE-344 and/or IEEE-501.

ISRS = in-structure response spectrum at the base of the equipment. Using the guidelines given in Section II.4.2, "Seismic Capacity Compared to Seismic Demand," of the GIP, the in-structure response spectrum used at PBNP is a "conservative-design" in-structure SSE response spectrum. The PBNP ISRS have been reviewed by the NRC and are considered "conservative-design" ISRS [6.6].

FS = factor of safety to account for uncertainties in various types of in-structure response spectra as shown in Table 6-1, "Factors of Conservatism to be Applied to Different Types of In-Structure Response Spectra," of the GIP.

AF = in-cabinet amplification factor, as given in Table 6-2, "In-Cabinet Amplification Factors for Use with Level 2 Relay Screening Method," of the GIP, for various types of cabinets. The guidelines and criteria for identifying the various cabinet types are included in Appendix I of EPRI NP-7148.

The relays are considered seismically adequate if the seismic demand spectrum is bounded by the relay capacity spectrum in the frequency ranges from 4 - 16 Hz and from 33 Hz and above, i.e., the ZPA. The results of the seismic capacity



screening are discussed in Section 5. For a description of Screening Level 3 and Screening Level 4 refer to the GIP or EPRI NP-7148.

A special case is used for essential relays which directly control the operation of switchgear. To show that this type of essential relay is seismically adequate, it is not necessary to use the above screening methods. Instead the relay is shown to be adequate since: 1) the switchgear cabinet containing the relay has been shown to be seismically adequate using the seismic evaluation method given in Section II.4, "Seismic Verification and Walkdown," of the GIP and documented in the Seismic Evaluation Report for Point Beach Nuclear Plant [6.15], and 2) the essential relay is not one of the low-ruggedness types listed in Appendix E of EPRI NP-7148. The relays screened using this switchgear "rule of the box" must be located in the switchgear cabinet.

#### **4.6 Relay Detailed Circuit Analysis**

As discussed in Section 4.5, the initial relay seismic capacity used for the seismic capacity screening is based on the lowest capacity in the GERS or specific test data regardless of the normal operating mode or contact position. If the seismic capacity screening fails using this capacity, then the control circuit is re-evaluated in more detail to determine the actual operating mode of the relay, or determine if the relay may be chatter acceptable. The detailed circuit analysis is documented on the same Relay Identification/Functional Screening Worksheet as the initial functional screening. The initial screening results are lined out and initialed and the detailed circuit analysis results are recorded.

#### **4.7 Relay Walkdown**

Walkdowns were performed as part of the relay evaluation in accordance with the guidance in Section II.6, "Relay Functionality Review," of the GIP and EPRI NP-



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7148. The purposes of the relay walkdowns are as follows and were accomplished separately during different walkdowns:

- Obtain information needed to determine cabinet types which house essential relays and to determine the in-cabinet amplification, where needed, for the seismic capacity screening described above.
- Verify the seismic adequacy of the cabinets or enclosures which support the essential relays.
- Spot check mountings of essential relays.
- Spot check the essential relays to verify their types and locations, including checks for vulnerable relays ("bad actors" as listed in Appendix E of EPRI NP-7148).

The first and second purposes were accomplished by the seismic review teams (SRTs) during the seismic verification walkdowns. All cabinets or panels which house relays are evaluated per Section II.4, "Seismic Verification and Walkdown," of the GIP, as if the relays are essential.

The third and fourth purposes of the relay walkdowns were conducted during a separate walkdown by the lead relay reviewer. The relay mountings were spot checked to confirm that the relays are mounted in accordance with manufacturer's recommendations. Proper relay label orientation, mounting bolts in place and tight, and whether the relay was snug in its mounting bracket were verified. No atypical mountings were found. In addition, the relay name plate information was verified against that recorded in the list of relays from the electrical schematics. These checks were done in the following areas of the plant:

- Control Room



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- Cable Spreading Room
- Switchgear rooms
- Diesel generator control panel area



## 5.0 RESULTS OF RELAY SCREENING AND EVALUATION

### 5.1 Introduction

This section documents the relay screening and evaluations for each of the equipment on the R-SSEL found in Appendix A. The Relay Identification / Functional Screening Worksheets, Figure 4.4.1, were used to summarize the relay review and provide a traceable record of the review.

### 5.2 Background

#### 5.2.1 PBNP Safe Shutdown Earthquake Event

The safe shutdown earthquake (SSE) used for the design of PBNP is defined by the Housner Ground Response Spectrum (GRS) and the Olympia, Washington N80E, April 13, 1949 earthquake time history. A more detailed description of the earthquake input motion used for the equipment evaluation is provided in the Seismic Evaluation Report [6.16]. In the WE letter to the NRC dated September 21, 1992 [6.5], WE established that the Housner GRS and the associated PBNP in-structure response spectra (ISRS) are "conservative design." The NRC concurred with the WE classification of the Housner GRS and the PBNP ISRS in their letter to WE dated February 22, 1993 [6.6].

The earthquake is postulated to occur when PBNP Units 1 and 2 are operating at normal operating conditions and providing 100% of rated electrical power to the Wisconsin Electric electrical distribution grid. The earthquake strong motion is assumed to last for a period of 30 secs. As a result of the earthquake, the seismic class 3 or non-seismic equipment is not expected to function, dual unit reactor trips are expected and a loss of offsite power may or may not occur. The required PBNP earthquake response is driven by the sequence of events that occur on the PBNP electrical distribution and secondary plant systems. Appendix F of this



report and the Safe Shutdown Equipment List Report [6.10] provide more explanation on the expected PBNP electrical distribution system response.

### 5.2.2 Relay Cabinet Types and Locations

The safe shutdown equipment requiring a relay review is located primarily in the PBNP control building (CB) and the primary auxiliary building (PAB). The cabinets which house the essential relays associated with the safe shutdown equipment are also located in these buildings. There are a total of 44 different essential relay cabinets. Appendix E provides a listing of cabinets, which systems they are associated with, where they are located in the plant and the type of cabinet based on the definition of cabinet types in Appendix I of EPRI NP-7148. The in-cabinet amplification factors (AFs) from EPRI NP-7148 were used for determining the seismic demand for each relay with one exception. A cabinet specific amplification factor was determined for the 4160 VAC vital switchgear, 1A-05, 2A-05, 1A-06 (old) and 2A-06 (old), using a finite element analysis method [6.19]. An AF of 5.2 was calculated and used in the seismic capacity vs. demand check as compared to the AF of 7.0 from Appendix I of ERPI NP-7148.

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### 5.3 Results

The Relay Identification / Functional Screening Worksheets and the highlighted electrical schematic drawings provide a traceable record of the functional screening of the relays associated with each SSEL component requiring a relay review. The information from the worksheets was transferred to the Associated Relay List (ARL) found in Appendix B. Figure 5.3-1 provides a summary of the results of the relay functionality review. A total of 2370 relay devices were identified as associated relays.



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5.3.1 Chatter Acceptable Relays

Of those 2370 relay devices, 731 were functionally screened as either "chatter acceptable" or not vulnerable. Appendix B, Table B.1 provides the screening notes providing the basis for the chatter acceptable determination. In addition, Appendix F provides more detailed discussions of the functional screening for instances where a single note was insufficient.

5.3.2 Relays Requiring Seismic Capacity Screening

A total of 1639 relay devices were identified as essential relays for specific seismic capacity screening. These relays were screened by placing them in one of three categories as described in Section 4. 69 X and Y coil contactors associated with switchgear breakers were determined to be adequate based on the "switchgear rule-of-the-box" concept in Section II.6.4. 109 relays were mounted in cabinets and control panels which were in turn mounted on either an emergency diesel generator or a service air compressor. These relays were determined to be adequate based on demonstrating proper function while the equipment is operating and vibrating. 1461 relays were determined to require a specific seismic capacity screening. The results of the seismic capacity screening are as follows:

- \* 1329 relays have sufficient seismic capacity.
- \* 124 relays have an unknown seismic capacity and are considered outliers.
- \* 8 Westinghouse ITH relays are low ruggedness relays and are considered outliers.



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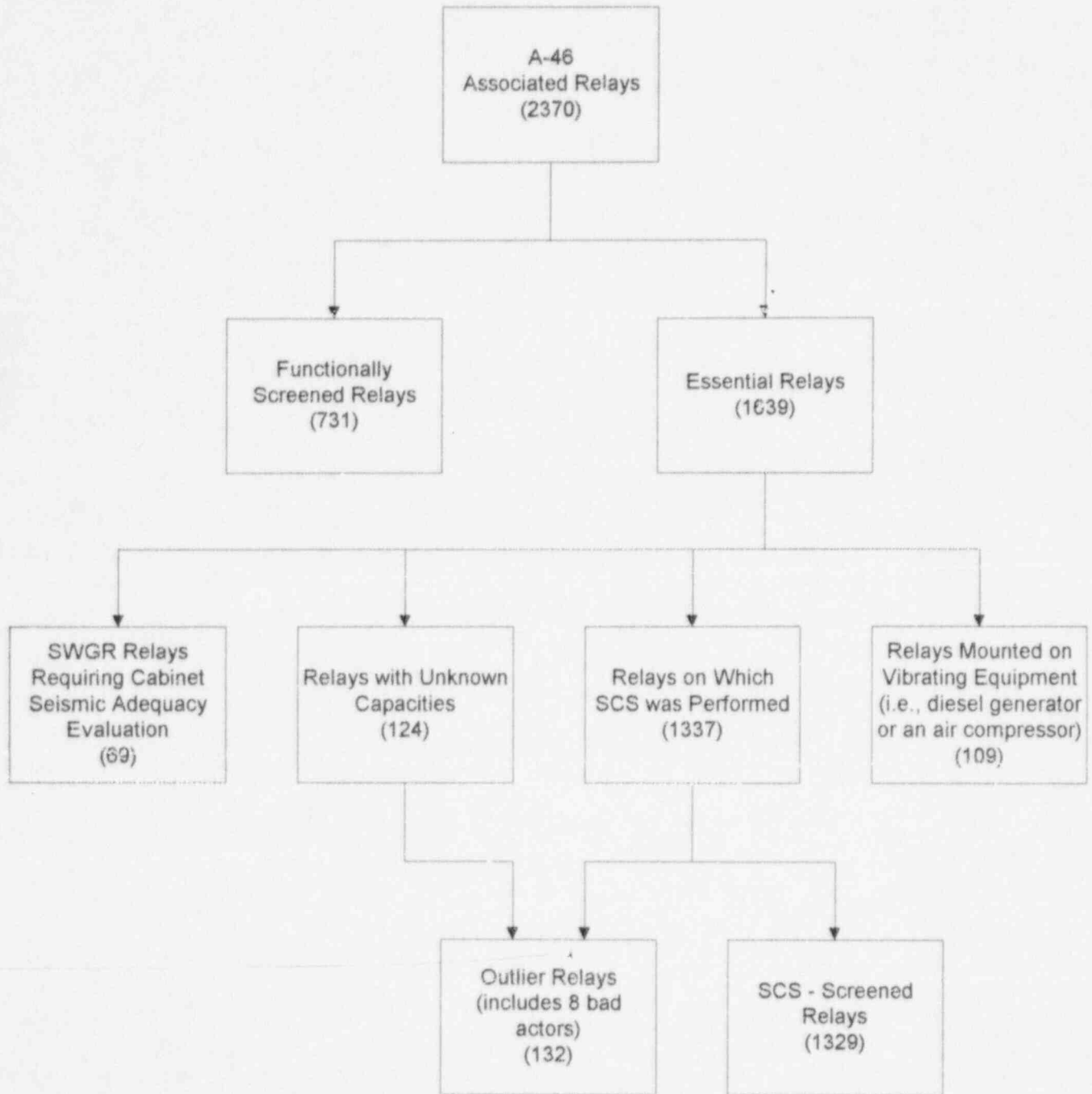


Figure 5.3-1 - PBNP Relay Evaluation Process / Results Summary Flowchart



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6.0 REFERENCES

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- 6.2 Use of Seismic Experience and Test Data to Show Ruggedness of Equipment in Nuclear Power Plants; R. Kennedy, W. Von Riesemann, P. Ibanez, A. Schiff, L. A. Wylie; prepared for the SQUG and in cooperation with the Office of Nuclear Reactor Regulation - USNRC; Revision 4.0; SAND-92-0140 UC 52; February 28, 1991.
- 6.3 Seismic Qualification Utility Group (SQUG), Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment, Revision 2, February 14, 1992.
- 6.4 NRC Generic Letter 87-02, Supplement 1, "Transmittal of Supplemental Safety Evaluation Report No. 2 (SSER #2)," May 22, 1992.
- 6.5 Wisconsin Electric Letter, VPNPD-92-313, "Response to Generic Letter 87-02, Supplement 1 on SQUG Resolution of USI A-46, Point Beach Nuclear Plant, Units 1 and 2," September 21, 1992.
- 6.6 NRC Letter to Robert E. Link, "Evaluation of Point Beach Nuclear Plant 120-Day Response to Supplement No. 1 to Generic Letter 87-02 (TAC Nos. M69472 and M69473)," February 22, 1993.
- 6.7 EPRI NP-7148-SL, Procedure for Evaluating Nuclear Power Plant Relay Seismic Functionality, December 1990.
- 6.8 EPRI NP-7148-SL, Volume 2, Procedure for Evaluating Nuclear Power Plant Relay Seismic Functionality Volume 2: Addendum, September 1993.
- 6.9 IEEE Standard 344-1975, IEEE Recommended Practices for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations, December 20, 1974.
- 6.10 Wisconsin Electric Power Company, "USNRC Generic Letter 87-02 Unresolved Safety Issue A-46 Resolution Safe Shutdown Equipment List Report, Point Beach Nuclear Power Units 1 & 2," June 1995.



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- 6.11 Point Beach Nuclear Plant, Technical Specifications, "Appendix A to Facility Operating License DPR-24 and Facility Operating License DPR-27 for Point Beach Nuclear Plant Unit Nos. 1 and 2."
- 6.12 EPRI NP-7147-SL, Seismic Ruggedness of Relays, August 1991.
- 6.13 EPRI NP-7147-SL, Volume 2, Seismic Ruggedness of Relays, Volume 2: Addendum 1, September 1993.
- 6.14 EPRI NP-7147-SL, Volume 2, Seismic Ruggedness of Relays, Volume 2: Addendum 2, April 1995.
- 6.15 EPRI NP-5223-SL, Generic Seismic Ruggedness of Power Plant Equipment, Revision 1, August 1991.
- 6.16 Wisconsin Electric Power Company, "USNRC Generic Letter 87-02 Unresolved Safety Issue A-46 Resolution, Seismic Evaluation Report, Point Beach Nuclear Plant Units 1 and 2," Revision 0, June 1995.
- 6.17 Toledo Edison Company Letter K83-1591 to the USNRC, Mr. James G. Keppler, transmitting "LER 346/81-037 Revision 2 and Revised Supplemental Information for LER NP-33-81-44," dated November 10, 1983.
- 6.18 USNRC, NUREG-1407, Procedural and Submittal Guidance for the Individual Plant Examination of External Events (IPEEE) for Severe Accident Vulnerabilities, June 1991.
- 6.19 Stevenson and Associates Calculation 91C6296-C-031, "Seismic Analysis of Relays Mounted on 1A-05 Cubicle 1A52-59," 6/22/95.
- 6.20 Point Beach Nuclear Plant, Final Safety Analysis Report (FSAR), June 1994.
- 6.21 Wisconsin Electric, Nuclear Power Department Calculation N-91-016, Revision 1, "PBNP Diesel Generator Loading Analysis," 8/31/94.



RELAY EVALUATION REPORT

REFERENCES

6.22 The following Reference Drawings were used during the Relay Functionality Review

| Vendor       | Drawing Number | Sheet Number | Revision Number |
|--------------|----------------|--------------|-----------------|
| BECH         | E-6            | SH. 1        | 24              |
| BECH         | E-6            | SH. 2        | 7               |
| BECH         | E-6            | SH. 3        | 1               |
| BECH         | M-143          | SH. 1        | 7               |
| BECH         | M-207          | SH. 4        | 14              |
| BECH         | M-217          | SH. 1        | 59              |
| BECH         | M-219          | SH. 1        | 33              |
| EMD          | 8413730        | SH. A        | 14              |
| FOXBORO      | CD1-14         | SH. 1        | 6               |
| FOXBORO      | CD2-14         | SH. 2        | 8               |
| S&W          | 12137          | ESK-11A      | 7               |
| S&W          | 12137          | ESK-11C      | 3               |
| Westinghouse | 499B466        | SH. 200      | 5               |
| Westinghouse | 499B466        | SH. 201      | 9               |
| Westinghouse | 499B466        | SH. 212      | 13              |
| Westinghouse | 499B466        | SH. 213      | 13              |
| Westinghouse | 499B466        | SH. 214      | 11              |
| Westinghouse | 499B466        | SH. 218      | 10              |
| Westinghouse | 499B466        | SH. 222      | 14              |
| Westinghouse | 499B466        | SH. 223      | 14              |
| Westinghouse | 499B466        | SH. 256      | 8               |
| Westinghouse | 499B466        | SH. 263      | 19              |
| Westinghouse | 499B466        | SH. 266      | 12              |
| Westinghouse | 499B466        | SH. 268      | 7               |
| Westinghouse | 499B466        | SH. 286      | 10              |
| Westinghouse | 499B466        | SH. 293      | 19              |
| Westinghouse | 499B466        | SH. 298      | 8               |
| Westinghouse | 499B466        | SH. 303      | 11              |
| Westinghouse | 499B466        | SH. 304      | 9               |
| Westinghouse | 499B466        | SH. 305      | 12              |
| Westinghouse | 499B466        | SH. 306      | 9               |
| Westinghouse | 499B466        | SH. 309      | 13              |
| Westinghouse | 499B466        | SH. 310      | 12              |
| Westinghouse | 499B466        | SH. 311      | 11              |
| Westinghouse | 499B466        | SH. 312      | 11              |
| Westinghouse | 499B466        | SH. 316      | 15              |
| Westinghouse | 499B466        | SH. 316A     | 5               |



RELAY EVALUATION REPORT

REFERENCES

| Vendor       | Drawing Number | Sheet Number | Revision Number |
|--------------|----------------|--------------|-----------------|
| Westinghouse | 499B466        | SH. 317      | 10              |
| Westinghouse | 499B466        | SH. 317A     | 1               |
| Westinghouse | 499B466        | SH. 321      | 13              |
| Westinghouse | 499B466        | SH. 322      | 10              |
| Westinghouse | 499B466        | SH. 324      | 12              |
| Westinghouse | 499B466        | SH. 329      | 10              |
| Westinghouse | 499B466        | SH. 333      | 6               |
| Westinghouse | 499B466        | SH. 335      | 18              |
| Westinghouse | 499B466        | SH. 336      | 12              |
| Westinghouse | 499B466        | SH. 336A     | 2               |
| Westinghouse | 499B466        | SH. 337      | 15              |
| Westinghouse | 499B466        | SH. 338      | 11              |
| Westinghouse | 499B466        | SH. 340      | 14              |
| Westinghouse | 499B466        | SH. 340A     | 3               |
| Westinghouse | 499B466        | SH. 342      | 9               |
| Westinghouse | 499B466        | SH. 342A     | 2               |
| Westinghouse | 499B466        | SH. 343      | 10              |
| Westinghouse | 499B466        | SH. 344      | 10              |
| Westinghouse | 499B466        | SH. 344A     | 1               |
| Westinghouse | 499B466        | SH. 345      | 10              |
| Westinghouse | 499B466        | SH. 351      | 10              |
| Westinghouse | 499B466        | SH. 352      | 11              |
| Westinghouse | 499B466        | SH. 356      | 8               |
| Westinghouse | 499B466        | SH. 358      | 14              |
| Westinghouse | 499B466        | SH. 359      | 14              |
| Westinghouse | 499B466        | SH. 364      | 14              |
| Westinghouse | 499B466        | SH. 366      | 15              |
| Westinghouse | 499B466        | SH. 366A     | 6               |
| Westinghouse | 499B466        | SH. 369      | 15              |
| Westinghouse | 499B466        | SH. 370      | 14              |
| Westinghouse | 499B466        | SH. 371      | 11              |
| Westinghouse | 499B466        | SH. 372      | 14              |
| Westinghouse | 499B466        | SH. 373      | 1               |
| Westinghouse | 499B466        | SH. 381      | 10              |
| Westinghouse | 499B466        | SH. 382      | 11              |
| Westinghouse | 499B466        | SH. 386      | 9               |
| Westinghouse | 499B466        | SH. 388      | 13              |
| Westinghouse | 499B466        | SH. 389      | 12              |
| Westinghouse | 499B466        | SH. 394      | 13              |
| Westinghouse | 499B466        | SH. 538      | 5               |



RELAY EVALUATION REPORT

REFERENCES

| Vendor       | Drawing Number | Sheet Number | Revision Number |
|--------------|----------------|--------------|-----------------|
| Westinghouse | 499B466        | SH. 550      | 3               |
| Westinghouse | 499B466        | SH. 551      | 3               |
| Westinghouse | 499B466        | SH. 552      | 3               |
| Westinghouse | 499B466        | SH. 553      | 3               |
| Westinghouse | 499B466        | SH. 554      | 3               |
| Westinghouse | 499B466        | SH. 555      | 3               |
| Westinghouse | 499B466        | SH. 556      | 3               |
| Westinghouse | 499B466        | SH. 596      | 9               |
| Westinghouse | 499B466        | SH. 597      | 9               |
| Westinghouse | 499B466        | SH. 598      | 5               |
| Westinghouse | 499B466        | SH. 713      | 3               |
| Westinghouse | 499B466        | SH. 715      | 9               |
| Westinghouse | 499B466        | SH. 716      | 17              |
| Westinghouse | 499B466        | SH. 717      | 9               |
| Westinghouse | 499B466        | SH. 719      | 12              |
| Westinghouse | 499B466        | SH. 720      | 15              |
| Westinghouse | 499B466        | SH. 721      | 7               |
| Westinghouse | 499B466        | SH. 724      | 10              |
| Westinghouse | 499B466        | SH. 725      | 11              |
| Westinghouse | 499B466        | SH. 726      | 8               |
| Westinghouse | 499B466        | SH. 727      | 8               |
| Westinghouse | 499B466        | SH. 728      | 6               |
| Westinghouse | 499B466        | SH. 729      | 6               |
| Westinghouse | 499B466        | SH. 730      | 8               |
| Westinghouse | 499B466        | SH. 731      | 10              |
| Westinghouse | 499B466        | SH. 732      | 11              |
| Westinghouse | 499B466        | SH. 734      | 9               |
| Westinghouse | 499B466        | SH. 735      | 10              |
| Westinghouse | 499B466        | SH. 736      | 3               |
| Westinghouse | 499B466        | SH. 739      | 2               |
| Westinghouse | 499B466        | SH. 757      | 13              |
| Westinghouse | 499B466        | SH. 757C     | 6               |
| Westinghouse | 499B466        | SH. 757D     | 4               |
| Westinghouse | 499B466        | SH. 758      | 11              |
| Westinghouse | 499B466        | SH. 770      | 9               |
| Westinghouse | 499B466        | SH. 779      | 13              |
| Westinghouse | 499B466        | SH. 787A     | 4               |
| Westinghouse | 499B466        | SH. 787B     | 5               |
| Westinghouse | 499B466        | SH. 803      | 5               |
| Westinghouse | 499B466        | SH. 804      | 11              |





RELAY EVALUATION REPORT

REFERENCES

| Vendor       | Drawing Number | Sheet Number | Revision Number |
|--------------|----------------|--------------|-----------------|
| Westinghouse | 499B466        | SH. 805      | 5               |
| Westinghouse | 499B466        | SH. 812      | 5               |
| Westinghouse | 499B466        | SH. 812A     | 1               |
| Westinghouse | 499B466        | SH. 812B     | 2               |
| Westinghouse | 499B466        | SH. 814      | 18              |
| Westinghouse | 499B466        | SH. 814A     | 3               |
| Westinghouse | 499B466        | SH. 816      | 9               |
| Westinghouse | 499B466        | SH. 818      | 5               |
| Westinghouse | 499B466        | SH. 823      | 9               |
| Westinghouse | 499B466        | SH. 826      | 7               |
| Westinghouse | 499B466        | SH. 829      | 0               |
| Westinghouse | 499B466        | SH. 841      | 6               |
| Westinghouse | 499B466        | SH. 861      | 4               |
| Westinghouse | 499B466        | SH. 862      | 7               |
| Westinghouse | 499B466        | SH. 863      | 7               |
| Westinghouse | 499B466        | SH. 868      | 12              |
| Westinghouse | 499B466        | SH. 868A     | 2               |
| Westinghouse | 499B466        | SH. 874      | 8               |
| Westinghouse | 499B466        | SH. 877      | 18              |
| Westinghouse | 499B466        | SH. 890      | 3               |
| Westinghouse | 499B466        | SH. 1005     | 5               |
| Westinghouse | 499B466        | SH. 1205     | 4               |
| Westinghouse | 499B466        | SH. 1509     | 7               |
| Westinghouse | 499B466        | SH. 1511     | 7               |
| Westinghouse | 499B466        | SH. 1523     | 8               |
| Westinghouse | 499B466        | SH. 1532     | 9               |
| Westinghouse | 499B466        | SH. 1635     | 4               |
| Westinghouse | 499B466        | SH. 1651     | 2               |
| Westinghouse | 499B466        | SH. 1655     | 4               |
| Westinghouse | 499B466        | SH. 1658     | 3               |
| Westinghouse | 499B466        | SH. 1695     | 3               |
| Westinghouse | 499B466        | SH. 1696     | 1               |
| Westinghouse | 110E163        | SH. 2        | 8               |
| Westinghouse | 110E163        | SH. 3        | 4               |
| Westinghouse | 110E163        | SH. 4        | 11              |
| Westinghouse | 110E163        | SH. 5        | 8               |
| Westinghouse | 110E163        | SH. 6        | 7               |
| Westinghouse | 110E163        | SH. 7        | 25              |
| Westinghouse | 110E163        | SH. 7A       | 2               |
| Westinghouse | 110E163        | SH. 8        | 14              |



RELAY EVALUATION REPORT

REFERENCES

| Vendor       | Drawing Number | Sheet Number | Revision Number |
|--------------|----------------|--------------|-----------------|
| Westinghouse | 110E163        | SH. 9        | 17              |
| Westinghouse | 110E163        | SH. 10       | 14              |
| Westinghouse | 110E163        | SH. 11       | 6               |
| Westinghouse | 110E163        | SH. 12       | 8               |
| Westinghouse | 110E163        | SH. 12A      | 6               |
| Westinghouse | 110E163        | SH. 12B      | 5               |
| Westinghouse | 110E163        | SH. 17       | 4               |
| Westinghouse | 110E163        | SH. 18       | 1               |
| Westinghouse | 617F354        | SH. 10A1     | 0               |
| Westinghouse | 617F354        | SH. 10A2     | 0               |
| Westinghouse | 617F354        | SH. 10B1     | 0               |
| Westinghouse | 617F354        | SH. 10B2     | 0               |
| Westinghouse | 617F354        | SH. 4A1      | 0               |
| Westinghouse | 617F354        | SH. 4A2      | 0               |
| Westinghouse | 617F354        | SH. 4B1      | 0               |
| Westinghouse | 617F354        | SH. 4B2      | 0               |
| Westinghouse | 617F354        | SH. 6A       | 0               |
| Westinghouse | 617F354        | SH. 6A1      | 0               |
| Westinghouse | 617F354        | SH. 6A2      | 0               |
| Westinghouse | 617F354        | SH. 6B1      | 0               |
| Westinghouse | 617F354        | SH. 6B2      | 0               |
| Westinghouse | 617F354        | SH. 7A1      | 0               |
| Westinghouse | 617F354        | SH. 7B1      | 0               |
| Westinghouse | 617F354        | SH. 7B2      | 0               |
| Westinghouse | 617F354        | SH. 8A1      | 0               |
| Westinghouse | 617F354        | SH. 8A2      | 0               |
| Westinghouse | 617F354        | SH. 8B1      | 0               |
| Westinghouse | 617F354        | SH. 8B2      | 0               |
| Westinghouse | 617F354        | SH. 9A1      | 0               |
| Westinghouse | 617F354        | SH. 9A2      | 0               |
| Westinghouse | 617F354        | SH. 9B1      | 0               |
| Westinghouse | 617F354-2      | SH. 10A1     | 0               |
| Westinghouse | 617F354-2      | SH. 10A2     | 0               |
| Westinghouse | 617F354-2      | SH. 10B1     | 0               |
| Westinghouse | 617F354-2      | SH. 10B2     | 0               |
| Westinghouse | 617F354-2      | SH. 4A1      | 0               |
| Westinghouse | 617F354-2      | SH. 4A2      | 0               |
| Westinghouse | 617F354-2      | SH. 4B1      | 0               |
| Westinghouse | 617F354-2      | SH. 4B2      | 0               |
| Westinghouse | 617F354-2      | SH. 6A1      | 0               |



RELAY EVALUATION REPORT

REFERENCES

| Vendor       | Drawing Number | Sheet Number | Revision Number |
|--------------|----------------|--------------|-----------------|
| Westinghouse | 617F354-2      | SH. 6A2      | 0               |
| Westinghouse | 617F354-2      | SH. 6B1      | 0               |
| Westinghouse | 617F354-2      | SH. 6B2      | 0               |
| Westinghouse | 617F354-2      | SH. 7A1      | 0               |
| Westinghouse | 617F354-2      | SH. 7A2      | 0               |
| Westinghouse | 617F354-2      | SH. 7B1      | 0               |
| Westinghouse | 617F354-2      | SH. 7B2      | 0               |
| Westinghouse | 617F354-2      | SH. 8A1      | 0               |
| Westinghouse | 617F354-2      | SH. 8A2      | 0               |
| Westinghouse | 617F354-2      | SH. 8B1      | 0               |
| Westinghouse | 617F354-2      | SH. 8B2      | 0               |
| Westinghouse | 617F354-2      | SH. 9A1      | 0               |
| Westinghouse | 617F354-2      | SH. 9A2      | 0               |
| Westinghouse | 617F354-2      | SH. 9B1      | 0               |
| Westinghouse | 617F354-2      | SH. 9B2      | 0               |
| Westinghouse | 195A778        | SH. 20       | 0               |
| Westinghouse | 195A778        | SH. 21       | 0               |
| Westinghouse | 195A778        | SH. 24       | 0               |
| Westinghouse | 195A778        | SH. 30       | 0               |
| Westinghouse | 195A778        | SH. 31       | 0               |
| Westinghouse | 195A778        | SH. 34       | 0               |
| Westinghouse | 195A778        | SH. 333      | 6               |
| Westinghouse | 195A778        | SH. 333A     | 4               |
| Westinghouse | 195A778        | SH. 333C     | 1               |
| Westinghouse | 195A778        | SH. 334      | 3               |
| Westinghouse | 195A778        | SH. 334A     | 1               |
| Westinghouse | 195A778        | SH. 453      | 3               |
| Westinghouse | 195A778        | SH. 454      | 3               |



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

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The Relay Review Safe Shutdown Equipment List (R-SSEL) on the following pages provides a listing of equipment for which a relay review was conducted. The R-SSEL consists of only electrically powered or controlled equipment for which the required safe shutdown function could be affected by the malfunction of a relay. The equipment selection is discussed in Section 4 of this report.

The R-SSEL provides the equipment ID, the earthquake experience database equipment class the equipment belongs to, the system to which the equipment belongs, the equipment train (A, B or A/B if it is common to both trains) and the equipment description. In addition, the equipment location (building, floor elevation, and plant area) is provided. The list is sorted by system, then by equipment class and then by equipment ID.



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                           | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 1        | 16          | A     | D-07         | 125V / STATION BATTERY CHARGER                           | CB       | 8          | AREA 3   |
| 2        | 16          | B     | D-08         | 125V / STATION BATTERY CHARGER                           | CB       | 8          | AREA 3   |
| 3        | 16          | A/B   | D-09         | 125V / SWING STATION BATTERY CHARGER                     | CB       | 8          | AREA 3   |
| 4        | 16          | A     | D-107        | 125V / STATION BATTERY CHARGER                           | PAB      | 26         | AREA 6   |
| 5        | 16          | B     | D-108        | 125V / STATION BATTERY CHARGER                           | PAB      | 26         | AREA 6   |
| 6        | 16          | A/B   | D-109        | 125V / SWING STATION BATTERY CHARGER                     | PAB      | 26         | AREA 6   |
| 7        | 3           | A     | 1A-05        | 4.16KV / 4.16 KV BUS SWITCHGEAR (SAFEGUARDS)             | CB       | 8          | AREA 3   |
| 8        | 3           | B     | 1A-06 (old)  | 4.16KV / 4.16 KV BUS SWITCHGEAR (SAFEGUARDS)             | CB       | 8          | AREA 3   |
| 9        | 3           | A     | 1A52-57      | 4.16KV / TIE TO BUS 1A-03 (1A00-38)                      | CB       | 8          | AREA 3   |
| 10       | 3           | A     | 1A52-58      | 4.16KV / PWR TO 1X-13 STATION SERVICE TRANSFORMER        | CB       | 8          | AREA 3   |
| 11       | 3           | A     | 1A52-60      | 4.16KV / G-01 EMERGENCY DIESEL GENERATOR OUTPUT TO 1A-05 | CB       | 8          | AREA 3   |
| 12       | 3           | A     | 1A52-61      | 4.16KV / TIE TO BUS 1A-06 (1A00-62)                      | CB       | 8          | AREA 3   |
| 13       | 3           | B     | 1A52-63      | 4.16KV / TIE TO BUS 1A-04 (1A00-54)                      | CB       | 8          | AREA 3   |
| 14       | 3           | B     | 1A52-64      | 4.16KV / PWR TO 1X-14 STATION SERVICE XFMR               | CB       | 8          | AREA 3   |
| 15       | 3           | B     | 1A52-66      | 4.16KV / G-02 EMERGENCY DIESEL GENERATOR OUTPUT TO 1A-06 | CB       | 8          | AREA 3   |
| 16       | 4           | A     | 1X-13        | 4.16KV / B-03 STATION SERVICE TRANSFORMER                | CB       | 26         | AREA 3   |
| 17       | 4           | B     | 1X-14        | 4.16KV / B-04 STATION SERVICE TRANSFORMER                | CB       | 26         | AREA 3   |
| 18       | 3           | A     | 2A-05        | 4.16KV / 4.16 KV BUS SWITCHGEAR (SAFEGUARDS)             | CB       | 8          | AREA 3   |
| 19       | 3           | B     | 2A-06 (old)  | 4.16KV / 4.16 KV BUS SWITCHGEAR (SAFEGUARDS)             | CB       | 8          | AREA 3   |
| 20       | 3           | B     | 2A52-67      | 4.16KV / G-02 EMERGENCY DIESEL GENERATOR OUTPUT TO 2A-06 | CB       | 8          | AREA 3   |
| 21       | 3           | B     | 2A52-69      | 4.16KV / PWR TO 2X-14 STATION SERVICE XFMR               | CB       | 8          | AREA 3   |
| 22       | 3           | B     | 2A52-70      | 4.16KV / TIE TO BUS 2A-04 (2A00-49)                      | CB       | 8          | AREA 3   |
| 23       | 3           | A     | 2A52-72      | 4.16KV / 2A-05/2A-06 BUS TIE                             | CB       | 8          | AREA 3   |
| 24       | 3           | A     | 2A52-73      | 4.16KV / G-01 EMERGENCY DIESEL GENERATOR OUTPUT TO 2A-05 | CB       | 8          | AREA 3   |
| 25       | 3           | A     | 2A52-75      | 4.16KV / PWR TO 2X-13 STATION SERVICE TRANSFORMER        | CB       | 8          | AREA 3   |
| 26       | 3           | A     | 2A52-76      | 4.16KV / TIE TO BUS 2A-03 (2A00-43)                      | CB       | 8          | AREA 3   |
| 27       | 4           | A     | 2X-13        | 4.16KV / B-03 STATION SERVICE TRANSFORMER                | CB       | 26         | AREA 3   |
| 28       | 4           | B     | 2X-14        | 4.16KV / B-04 STATION SERVICE TRANSFORMER                | CB       | 26         | AREA 3   |
| 29       | 2           | A     | 1B-03        | 480V / 480V SAFEGUARDS LOAD CENTER                       | CB       | 26         | AREA 3   |
| 30       | 2           | B     | 1B-04        | 480V / 480V SAFEGUARDS LOAD CENTER                       | CB       | 26         | AREA 3   |
| 31       | 1           | A     | 1B-32        | 480V / 480V MOTOR CONTROL CENTER PAB SAFEGUARDS          | PAB      | 8          | AREA 4   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Checked by: John A. Hinck 1/8/96 / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                          | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 32       | 14          | A     | 1B-39        | 480V / 480V MOTOR CONTROL CENTER TRN A BATT CHARGER SUP | CB       | 8          | AREA 3   |
| 33       | 1           | B     | 1B-42        | 480V / 480V MOTOR CONTROL CENTER PAB SAFEGUARDS         | PAB      | 26         | AREA 5   |
| 34       | 14          | B     | 1B-49        | 480V / 480V MOTOR CONTROL CENTER TRN B BATT CHARGER SUP | CB       | 8          | AREA 3   |
| 35       | 14          | A     | 1B42-3212H   | 480V / D-109 SWING CTN BATTERY CHGR TRAIN A CONTACTOR   | PAB      | 26         | AREA 6   |
| 36       | 14          | A     | 1B42-391     | 480V / D-07 STATION BATTERY CHARGER TRAIN A CONTACTOR   | CB       | 8          | AREA 3   |
| 37       | 14          | B     | 1B42-491     | 480V / D-09 SWING STN BATTERY CHARGER TRAIN B CONTACTOR | CB       | 8          | AREA 3   |
| 38       | 14          | B     | 1B42-494     | 480V / D-108 STATION BATTERY CHARGER TRAIN B CONTACTOR  | PAB      | 26         | AREA 6   |
| 39       | 2           | A     | 1B52-10A     | 480V / PWR TO 1P-11A COMPONENT COOLING WATER PUMP       | CB       | 26         | AREA 3   |
| 40       | 2           | A     | 1B52-10C     | 480V / PWR TO P-32A SERVICE WATER PUMP                  | CB       | 26         | AREA 3   |
| 41       | 2           | A     | 1B52-11B     | 480V / ALT PWR TO 1B-32 PAB SAFEGUARDS MCC              | CB       | 26         | AREA 3   |
| 42       | 2           | A     | 1B52-11C     | 480V / NORMAL PWR TO 1B311C-B854D P-32B SW PUMP XFR SW  | CB       | 26         | AREA 3   |
| 43       | 2           | A     | 1B52-12A     | 480V / NORM PWR TO 1B312A-B855B 1P-10A RHR PUMP XFR SW  | CB       | 26         | AREA 3   |
| 44       | 2           | A     | 1B52-12B     | 480V / PWR TO PP-14 PZR BACKUP HEATER C GROUP PWR PANEL | CB       | 26         | AREA 3   |
| 45       | 2           | A     | 1B52-12C     | 480V / PWR TO P-38A AUX FEEDWATER MOTOR-DRIVEN PUMP     | CB       | 26         | AREA 3   |
| 46       | 2           | A     | 1B52-13A     | 480V / NORM PWR TO 1B313A-B854B 1P-2A CHG PUMP XFR SW   | CB       | 26         | AREA 3   |
| 47       | 2           | A     | 1B52-13B     | 480V / PWR TO 1B313B-2B337B CHG PUMP CROSSTIE PWR PANEL | CB       | 26         | AREA 3   |
| 48       | 2           | A     | 1B52-13C     | 480V / PWR TO 1B-39 TRAIN A BATTERY CHARGER SUPPLY MCC  | CB       | 26         | AREA 3   |
| 49       | 2           | A     | 1B52-14A     | 480V / PWR TO 1P-14A CONTAINMENT SPRAY PUMP             | CB       | 26         | AREA 3   |
| 50       | 2           | A     | 1B52-14B     | 480V / NORMAL PWR TO 1B-32 PAB SAFEGUARDS MCC           | CB       | 26         | AREA 3   |
| 51       | 2           | A     | 1B52-15A     | 480V / PWR TO 1W-1A1 CONT ACCIDENT RECIRCULATION FAN    | CB       | 26         | AREA 3   |
| 52       | 2           | A     | 1B52-15B     | 480V / PWR TO 1W-1B1 CONT ACCIDENT RECIRCULATION FAN    | CB       | 26         | AREA 3   |
| 53       | 2           | A     | 1B52-15C     | 480V / TIE TO 1B00-4C ON 1B-01 BUS                      | CB       | 26         | AREA 3   |
| 54       | 2           | A     | 1B52-16B     | 480V / FEED TO 1B-03 FROM 1X-13 STATION SERVICE XFMR    | CB       | 26         | AREA 3   |
| 55       | 2           | A     | 1B52-16C     | 480V / TIE TO 1B00-17C ON 1B-04 BUS                     | CB       | 26         | AREA 3   |
| 56       | 2           | B     | 1B52-17B     | 480V / FEED TO 1B-04 FROM 1X-14 STATION SERVICE XFMR    | CB       | 26         | AREA 3   |
| 57       | 2           | B     | 1B52-18A     | 480V / PWR TO 1W-1C1 CONT ACCIDENT RECIRCULATION FAN    | CB       | 26         | AREA 3   |
| 58       | 2           | B     | 1B52-18B     | 480V / PWR TO 1W-1D1 CONT ACCIDENT RECIRCULATION FAN    | CB       | 26         | AREA 3   |
| 59       | 2           | B     | 1B52-18C     | 480V / TIE TO 1B00-5C ON 1B-02 BUS                      | CB       | 26         | AREA 3   |
| 60       | 2           | B     | 1B52-19A     | 480V / PWR TO 1P-14B CONTAINMENT SPRAY PUMP             | CB       | 26         | AREA 3   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/8/96 / Date  
 John A. Hinck / Date



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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                          | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 61       | 2           | B     | 1B52-20A     | 480V / PWR TO 1P-2C CHARGING PUMP                       | CB       | 26         | AREA 3   |
| 62       | 2           | B     | 1B52-20C     | 480V / NORMAL PWR TO 1B420C-B957D P-32C SW PUMP XFR SW  | CB       | 26         | AREA 3   |
| 63       | 2           | B     | 1B52-21A     | 480V / NORM PWR TO 1B421A-B855B 1P-10B RHR PUMP XFR SW  | CB       | 26         | AREA 3   |
| 64       | 2           | B     | 1B52-21B     | 480V / PWR TO PP-13 PZR BACKUP HEATER D GROUP PWR PANEL | CB       | 26         | AREA 3   |
| 65       | 2           | B     | 1B52-21C     | 480V / PWR TO B-43 PRIMARY AUXILIARY BLDG MCC           | CB       | 26         | AREA 3   |
| 66       | 2           | B     | 1B52-22A     | 480V / PWR TO K-3A SERVICE AIR COMPRESSOR               | CB       | 26         | AREA 3   |
| 67       | 2           | B     | 1B52-22C     | 480V / PWR TO PP-12 PZR CONTROL HEATER E GROUP PWR PNL  | CB       | 26         | AREA 3   |
| 68       | 2           | B     | 1B52-23A     | 480V / ALT PWR TO 1B-42 PAB SAFEGUARDS MCC              | CB       | 26         | AREA 3   |
| 69       | 2           | B     | 1B52-23B     | 480V / PWR TO 1P-11B COMPONENT COOLING WATER PUMP       | CB       | 26         | AREA 3   |
| 70       | 2           | B     | 1B52-23C     | 480V / NORMAL PWR TO 1B-42 PAB SAFEGUARDS MCC           | CB       | 26         | AREA 3   |
| 71       | 2           | B     | 1B52-24C     | 480V / PWR TO 1B-49 TRAIN B BATTERY CHARGER SUPPLY MCC  | CB       | 26         | AREA 3   |
| 72       | 1           | A     | 1B52-3210C   | 480V / PWR TO 1CV-285 ELHX OUTLET                       | PAB      | 8          | AREA 4   |
| 73       | 1           | A     | 1B52-3210F   | 480V / PWR TO 1SW-2907 CONT RECIRC HX EMERGENCY FCV     | PAB      | 8          | AREA 4   |
| 74       | 1           | A     | 1B52-3210J   | 480V / PWR TO SW-2870 SOUTH HEADER TO WEST HEADER       | PAB      | 8          | AREA 4   |
| 75       | 1           | A     | 1B52-3210M   | 480V / PWR TO SW-2891 SOUTH TO NORTH HEADER XCONNECT    | PAB      | 8          | AREA 4   |
| 76       | 1           | A     | 1B52-3211J   | 480V / PWR TO SW-2816 SSB AC CHILLER INLET              | PAB      | 8          | AREA 4   |
| 77       | 1           | A     | 1B52-3211M   | 480V / PWR TO SW-2930A SFP HX OUTLET                    | PAB      | 8          | AREA 4   |
| 78       | 1           | A     | 1B52-3212H   | 480V / PWR TO 1B42-3212H D-109 CHGR TRAIN A CONTACTOR   | PAB      | 8          | AREA 4   |
| 79       | 1           | A     | 1B52-3213L   | 480V / PWR TO K-2A INSTRUMENT AIR COMPRESSOR            | PAB      | 8          | AREA 4   |
| 80       | 1           | A     | 1B52-321F    | 480V / PWR TO 1SI-852A LOW HEAD SI CORE DELUGE ISOL     | PAB      | 8          | AREA 4   |
| 81       | 1           | A     | 1B52-321J    | 480V / PWR TO 1SI-866A COLD LEG INJECTION LINE ISOL     | PAB      | 8          | AREA 4   |
| 82       | 1           | A     | 1B52-321M    | 480V / PWR TO 1SI-860A CONT SPRAY PUMP A DISCHARGE ISOL | PAB      | 8          | AREA 4   |
| 83       | 1           | A     | 1B52-322C    | 480V / PWR TO 1SI-896A SI PUMP A SUCTION                | PAB      | 8          | AREA 4   |
| 84       | 1           | A     | 1B52-322F    | 480V / PWR TO 1SI-878D SI PUMP A LOOP A INJECTION       | PAB      | 8          | AREA 4   |
| 85       | 1           | A     | 1B52-322J    | 480V / PWR TO 1SI-878A SI PUMP B REACTOR VESSEL INJ     | PAB      | 8          | AREA 4   |
| 86       | 1           | A     | 1B52-322M    | 480V / PWR TO 1SI-860C CONT SPRAY PUMP B DISCH ISOL     | PAB      | 8          | AREA 4   |
| 87       | 1           | A     | 1B52-323C    | 480V / PWR TO 1SI-851A RHR PUMP A SUCT FROM CONT SUMP B | PAB      | 8          | AREA 4   |
| 88       | 1           | A     | 1B52-323M    | 480V / PWR TO 1SI-871A CONT SPY PMP A SUCT FROM 1HX-11A | PAB      | 8          | AREA 4   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Checked by: John A. Hinck 1/2/96 / Date



RELAY EVALUATION REPORT

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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                          | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 89       | 1           | A     | 1B52-324C    | 480V / PWR TO 1SI-825A RWST OUTLET TO 1P-15A/B SI PUMPS | PAB      | 8          | AREA 4   |
| 90       | 1           | A     | 1B52-325F    | 480V / PWR TO 1SI-826C SI PUMP SUCT/BAST PARALLEL ISOL  | PAB      | 8          | AREA 4   |
| 91       | 1           | A     | 1B52-326C    | 480V / PWR TO 1CC-754A RCP A CC INLET MOV               | PAB      | 8          | AREA 4   |
| 92       | 1           | A     | 1B52-326F    | 480V / PWR TO 1CC-759A RCP A CC OUTLET MOV              | PAB      | 8          | AREA 4   |
| 93       | 1           | A     | 1B52-326J    | 480V / PWR TO 1CC-754B RCP B CC INLET MOV               | PAB      | 8          | AREA 4   |
| 94       | 1           | A     | 1B52-326M    | 480V / PWR TO 1CC-759B RCP B CC OUTLET MOV              | PAB      | 8          | AREA 4   |
| 95       | 1           | A     | 1B52-327C    | 480V / PWR TO 1CV-313 RCP A/B #1 SEAL WTR RETURN ISOL   | PAB      | 8          | AREA 4   |
| 96       | 1           | A     | 1B52-327F    | 480V / PWR TO 1RC-515 PZR 1RC-431C PORV ISOLATION       | PAB      | 8          | AREA 4   |
| 97       | 1           | A     | 1B52-327M    | 480V / PWR TO 1CC-815 CC SURGE TK EMER MAKEUP WTR INLET | PAB      | 8          | AREA 4   |
| 98       | 1           | A     | 1B52-328C    | 480V / PWR TO AF-4009 AFP SUCTION FROM SERVICE WATER    | PAB      | 8          | AREA 4   |
| 99       | 1           | A     | 1B52-328F    | 480V / PWR TO AF-4023 AFP DISCHARGE TO 1HX-1A SG        | PAB      | 8          | AREA 4   |
| 100      | 1           | A     | 1B52-329H    | 480V / PWR TO W-12A G-01 ROOM EXHAUST FAN               | PAB      | 8          | AREA 4   |
| 101      | 14          | A     | 1B52-391     | 480V / PWR TO 1B42-391 D-07 STN BATTERY CHARGER TRAIN A | CB       | 8          | AREA 3   |
| 102      | 1           | B     | 1B52-4210C   | 480V / PWR TO 1SW-2908 CONT RECIRC HX EMERGENCY FCV     | PAB      | 26         | AREA 5   |
| 103      | 1           | B     | 1B52-4210F   | 480V / PWR TO 1SW-2880 TB COOLER SERVICE WATER INLET    | PAB      | 26         | AREA 5   |
| 104      | 1           | B     | 1B52-421F    | 480V / PWR TO 1SI-852B LOW HEAD SI CORE DELUGE ISOL     | PAB      | 26         | AREA 5   |
| 105      | 1           | B     | 1B52-421J    | 480V / PWR TO 1SI-866B CORE DELUGE INJ LINE OUTBD ISOL  | PAB      | 26         | AREA 5   |
| 106      | 1           | B     | 1B52-421M    | 480V / PWR TO 1SI-860B CONT SPRAY PUMP DISCH REDUN ISOL | PAB      | 26         | AREA 5   |
| 107      | 1           | B     | 1B52-422C    | 480V / PWR TO 1SI-896B SI PUMP SUCTION                  | PAB      | 26         | AREA 5   |
| 108      | 1           | B     | 1B52-422F    | 480V / PWR TO 1SI-878C RV SAFETY INJECTION              | PAB      | 26         | AREA 5   |
| 109      | 1           | B     | 1B52-422J    | 480V / PWR TO 1SI-878B COLD LEG INJ TO T-34B OUT ISOL   | PAB      | 26         | AREA 5   |
| 110      | 1           | B     | 1B52-422M    | 480V / PWR TO 1SI-860D CONT SPRAY PUMP DISCH REDUN ISOL | PAB      | 26         | AREA 5   |
| 111      | 1           | B     | 1B52-423C    | 480V / PWR TO 1SI-851B RHR PUMP SUCT FROM CONT SUMP B   | PAB      | 26         | AREA 5   |
| 112      | 1           | B     | 1B52-423M    | 480V / PWR TO 1SI-871B CONT SPRAY PUMP SUCT FROM HX-11B | PAB      | 26         | AREA 5   |
| 113      | 1           | B     | 1B52-424C    | 480V / PWR TO 1SI-825B RWST OUTLET TO P-15A/B SI PUMP   | PAB      | 26         | AREA 5   |
| 114      | 1           | B     | 1B52-425F    | 480V / PWR TO 1SI-826A SI PUMP SUCTION/BAST SERIES ISOL | PAB      | 26         | AREA 5   |
| 115      | 1           | B     | 1B52-425J    | 480V / PWR TO 1SI-826B SI PUMP SUCT/BAST PARALLEL ISOL  | PAB      | 26         | AREA 5   |

Prepared by: Timothy J. Dykstra 12/22/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/8/96 / Date  
 John A. Hinck / Date





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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                          | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 116      | 1           | B     | 1B52-426C    | 480V / PWR TO 1CC-719 CONT EQUIP CC SUP HDR OUTBD ISOL  | PAB      | 26         | AREA 5   |
| 117      | 1           | B     | 1B52-426M    | 480V / PWR TO 1RC-427 LOOP B COLD LEG/CVCS LETDOWN ISOL | PAB      | 26         | AREA 5   |
| 118      | 1           | B     | 1B52-427F    | 480V / PWR TO 1RC-516 PZR RC-430 PWR-OPER RELIEF INLET  | PAB      | 26         | AREA 5   |
| 119      | 1           | B     | 1B52-428C    | 480V / PWR TO AF-4021 AFP DISCHARGE TO 1HX-1B SG        | PAB      | 26         | AREA 5   |
| 120      | 1           | B     | 1B52-428F    | 480V / PWR TO 1AF-4006 AFP SUCTION FROM SERVICE WATER   | PAB      | 26         | AREA 5   |
| 121      | 1           | B     | 1B52-429M    | 480V / PWR TO W-12C G-02 ROOM EXHAUST FAN               | PAB      | 26         | AREA 5   |
| 122      | 14          | B     | 1B52-491     | 480V / PWR TO 1B42-491 D-09 SWING STN BATT CHG TRAIN B  | CB       | 8          | AREA 3   |
| 123      | 14          | B     | 1B52-494     | 480V / PWR TO 1B42-494 D-108 STN BATTERY CHARGER TRN B  | CB       | 8          | AREA 3   |
| 124      | 2           | A     | 2B-03        | 480V / 480V SAFEGUARDS LOAD CENTER                      | CB       | 26         | AREA 3   |
| 125      | 2           | B     | 2B-04        | 480V / 480V SAFEGUARDS LOAD CENTER                      | CB       | 26         | AREA 3   |
| 126      | 1           | A     | 2B-32        | 480V / 480V MOTOR CONTROL CENTER PAB SAFEGUARDS         | PAB      | 8          | AREA 6   |
| 127      | 14          | A     | 2B-39        | 480V / 480V MOTOR CONTROL CENTER TRN A BATT CHARGER SUP | CB       | 8          | AREA 3   |
| 128      | 1           | B     | 2B-42        | 480V / 480V MOTOR CONTROL CENTER PAB SAFEGUARDS         | PAB      | 26         | AREA 5   |
| 129      | 14          | B     | 2B-49        | 480V / 480V MOTOR CONTROL CENTER TRN B BATT CHARGER SUP | CB       | 8          | AREA 3   |
| 130      | 14          | A     | 2B42-391     | 480V / D-09 SWING STN BATTERY CHARGER TRAIN A CONTACTOR | CB       | 8          | AREA 3   |
| 131      | 14          | A     | 2B42-394     | 480V / D-107 STATION BATTERY CHARGER TRAIN A CONTACTOR  | PAB      | 26         | AREA 6   |
| 132      | 14          | B     | 2B42-4212B   | 480V / D-109 SWING STN BATTERY CHGR TRAIN B CONTACTOR   | PAB      | 26         | AREA 6   |
| 133      | 14          | B     | 2B42-491     | 480V / D-08 STATION BATTERY CHARGER TRAIN B CONTACTOR   | CB       | 8          | AREA 3   |
| 134      | 2           | B     | 2B52-25B     | 480V / FEED TO 2B-04 FROM 2X-14 STATION SERVICE XFMR    | CB       | 26         | AREA 3   |
| 135      | 2           | B     | 2B52-26A     | 480V / PWR TO 2W-1C1 CONT ACCIDENT RECIRCULATION FAN    | CB       | 26         | AREA 3   |
| 136      | 2           | B     | 2B52-26B     | 480V / PWR TO 2W-1D1 CONT ACCIDENT RECIRCULATION FAN    | CB       | 26         | AREA 3   |
| 137      | 2           | B     | 2B52-26C     | 480V / TIE TO 2B00-44C ON 2B-02 BUS                     | CB       | 26         | AREA 3   |
| 138      | 2           | B     | 2B52-27A     | 480V / PWR TO 2P-14B CONTAINMENT SPRAY PUMP             | CB       | 26         | AREA 3   |
| 139      | 2           | B     | 2B52-27B     | 480V / PWR TO P-32D SERVICE WATER PUMP                  | CB       | 26         | AREA 3   |
| 140      | 2           | B     | 2B52-27C     | 480V / NORMAL PWR TO 2B427C-B957D P-32E SW PUMP XFR SW  | CB       | 260        | AREA 3   |
| 141      | 2           | B     | 2B52-28A     | 480V / PWR TO 2P-2C CHARGING PUMP                       | CB       | 26         | AREA 3   |
| 142      | 2           | B     | 2B52-28B     | 480V / PWR TO 2P-11B COMPONENT COOLING WATER PUMP       | CB       | 26         | AREA 3   |

Prepared by: Timothy J. Dykstra 12/27/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/8/96 / Date  
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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                          | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 143      | 2           | B     | 2B52-28C     | 480V / PWR TO B-21 SOUTH SERVICE BLDG MCC               | CB       | 26         | AREA 3   |
| 144      | 2           | B     | 2B52-29A     | 480V / NORM PWR TO 2B429A-B958B 2P-10B RHR PUMP XFR SW  | CB       | 26         | AREA 3   |
| 145      | 2           | B     | 2B52-29B     | 480V / PWR TO PP-18 PZR BACKUP HEATER D GROUP PWR PANEL | CB       | 26         | AREA 3   |
| 146      | 2           | B     | 2B52-29C     | 480V / PWR TO K-3B SERVICE AIR COMPRESSOR               | CB       | 26         | AREA 3   |
| 147      | 2           | B     | 2B52-30B     | 480V / PWR TO Z-14 TURBINE BLDG OVERHEAD CRANE          | CB       | 26         | AREA 3   |
| 148      | 2           | E     | 2B52-30C     | 480V / PWR TO PP-17 PZR CONTROL HEATER E GROUP PWR PNL  | CB       | 26         | AREA 3   |
| 149      | 2           | B     | 2B52-31A     | 480V / PWR TO 2B-49 TRAIN B BATTERY CHARGER SUPPLY MCC  | CB       | 26         | AREA 3   |
| 150      | 2           | B     | 2B52-31B     | 480V / ALT PWR TO 2B-42 PAB SAFEGUARDS MCC              | CB       | 26         | AREA 3   |
| 151      | 2           | B     | 2B52-31C     | 480V / PWR TO P-38B AUX FEEDWATER MOTOR-DRIVEN PUMP     | CB       | 26         | AREA 3   |
| 152      | 1           | A     | 2B52-3210C   | 480V / PWR TO 2CV-285 ELHX OUTLET                       | PAB      | 8          | AREA 6   |
| 153      | 1           | A     | 2B52-3210F   | 480V / PWR TO 2SW-2907 CONT RECIRC HX EMERGENCY FCV     | PAB      | 8          | AREA 6   |
| 154      | 1           | A     | 2B52-3213C   | 480V / PWR TO W-85 PAB BATTERY AND INVERTER RM VENT FAN | PAB      | 8          | AREA 6   |
| 155      | 1           | A     | 2B52-321F    | 480V / PWR TO 2SI-852A LOW HEAD SI CORE DELUGE ISOL     | PAB      | 8          | AREA 6   |
| 156      | 1           | A     | 2B52-321J    | 480V / PWR TO 2SI-866A COLD LEG INJECTION LINE ISOL     | PAB      | 8          | AREA 6   |
| 157      | 1           | A     | 2B52-321M    | 480V / PWR TO 2SI-860A CONT SPRAY PUMP A DISCHARGE ISOL | PAB      | 8          | AREA 6   |
| 158      | 1           | A     | 2B52-322C    | 480V / PWR TO 2SI-896A SI PUMP A SUCTION                | PAB      | 8          | AREA 6   |
| 159      | 1           | A     | 2B52-322F    | 480V / PWR TO 2SI-878D SI PUMP A LOOP A INJECTION       | PAB      | 8          | AREA 6   |
| 160      | 1           | A     | 2B52-322J    | 480V / PWR TO 2SI-878A SI PUMP B REACTOR VESSEL INJ     | PAB      | 8          | AREA 6   |
| 161      | 1           | A     | 2B52-322M    | 480V / PWR TO 2SI-860C CONT SPRAY PUMP B DISCHARGE ISOL | PAB      | 8          | AREA 6   |
| 162      | 1           | A     | 2B52-323C    | 480V / PWR TO 2SI-851A RHR PUMP A SUCT FROM CONT SUMP B | PAB      | 8          | AREA 6   |
| 163      | 1           | A     | 2B52-323M    | 480V / PWR TO 2SI-871A CONT SPY PMP A SUCT FROM 2HX-11A | PAB      | 8          | AREA 6   |
| 164      | 1           | A     | 2B52-324C    | 480V / PWR TO 2SI-825A RWST OUTLET TO 2P-15A/B SI PUMPS | PAB      | 8          | AREA 6   |
| 165      | 1           | A     | 2B52-325F    | 480V / PWR TO 2SI-826C SI PUMP SUCT/BAST PARALLEL ISOL  | PAB      | 8          | AREA 6   |
| 166      | 1           | A     | 2B52-326C    | 480V / PWR TO 2CC-754A RCP A CC INLET MOV               | PAB      | 8          | AREA 6   |
| 167      | 1           | A     | 2B52-326F    | 480V / PWR TO 2CC-759A RCP A CC OUTLET MOV              | PAB      | 8          | AREA 6   |
| 168      | 1           | A     | 2B52-326J    | 480V / PWR TO 2CC-754B RCP B CC INLET MOV               | PAB      | 8          | AREA 6   |
| 169      | 1           | A     | 2B52-326M    | 480V / PWR TO 2CC-759B RCP B CC OUTLET MOV              | PAB      | 8          | AREA 6   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/8/96 / Date  
 John A. Hinck / Date



RELAY EVALUATION REPORT

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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                          | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 170      | 1           | A     | 2B52-327C    | 480V / PWR TO 2CV-313 RCP A/B #1 SEAL WTR RETURN ISOL   | PAB      | 8          | AREA 6   |
| 171      | 1           | A     | 2B52-327F    | 480V / PWR TO 2RC-515 PZR 2RC-431C PORV ISOLATION       | PAB      | 8          | AREA 6   |
| 172      | 1           | A     | 2B52-327J    | 480V / PWR TO 2CV-1299 ELHX INLET/RC LOOP A COLD LEG    | PAB      | 8          | AREA 6   |
| 173      | 1           | A     | 2B52-327M    | 480V / PWR TO 2CC-815 CC SURGE TK EMER MAKEUP WTR INLET | PAB      | 8          | AREA 6   |
| 174      | 1           | A     | 2B52-328C    | 480V / PWR TO AF-4022 AFP DISCHARGE TO 2HX-1A SG        | PAB      | 8          | AREA 6   |
| 175      | 1           | A     | 2B52-329H    | 480V / PWR TO W-12B G-01 ROOM EXHAUST FAN               | PAB      | 8          | AREA 6   |
| 176      | 2           | B     | 2B52-32C     | 480V / NORMAL PWR TO 2B-42 PAB SAFEGUARDS MCC           | CB       | 26         | AREA 3   |
| 177      | 2           | A     | 2B52-33C     | 480V / PWR TO 2PR-49 POWER RECEPTACLE                   | CB       | 26         | AREA 3   |
| 178      | 2           | A     | 2B52-34A     | 480V / PWR TO 2P-11A COMPONENT COOLING WATER PUMP       | CB       | 26         | AREA 3   |
| 179      | 2           | A     | 2B52-34B     | 480V / NORMAL PWR TO 2B334B-B854D P-32F SW PUMP XFR SW  | CB       | 26         | AREA 3   |
| 180      | 2           | A     | 2B52-35C     | 480V / ALT PWR TO 2B-32 PAB SAFEGUARDS MCC              | CB       | 26         | AREA 3   |
| 181      | 2           | A     | 2B52-36A     | 480V / NORM PWR TO 2B336A-B958B 2P-10A RHR PUMP XFR SW  | CB       | 26         | AREA 3   |
| 182      | 2           | A     | 2B52-36B     | 480V / PWR TO PP-19 PZR BACKUP HEATER C GROUP PWR PANEL | CB       | 26         | AREA 3   |
| 183      | 2           | A     | 2B52-36C     | 480V / PWR TO 2B-39 TRAIN A BATTERY CHARGER SUPPLY MCC  | CB       | 26         | AREA 3   |
| 184      | 2           | A     | 2B52-37A     | 480V / NORM PWR TO 2B337A-B957B 2P-2A CHG PUMP XFR SW   | CB       | 26         | AREA 3   |
| 185      | 2           | A     | 2B52-37B     | 480V / PWR TO 2B337B-1B313B CHG PUMP CROSSTIE PWR PANEL | CB       | 26         | AREA 3   |
| 186      | 2           | A     | 2B52-37C     | 480V / PWR TO B-33 PRIMARY AUXILIARY BLDG MCC           | CB       | 26         | AREA 3   |
| 187      | 2           | A     | 2B52-38A     | 480V / PWR TO 2P-14A CONTAINMENT SPRAY PUMP             | CB       | 26         | AREA 3   |
| 188      | 2           | A     | 2B52-38B     | 480V / NORMAL PWR TO 2B-32 PAB SAFEGUARDS MCC           | CB       | 26         | AREA 3   |
| 189      | 2           | A     | 2B52-38C     | 480V / PWR TO 2B-31 PRIMARY AUXILIARY BLDG MCC          | CB       | 26         | AREA 3   |
| 190      | 2           | A     | 2B52-39A     | 480V / PWR TO 2W-1A1 CONT ACCIDENT RECIRCULATION FAN    | CB       | 26         | AREA 3   |
| 191      | 2           | A     | 2B52-39B     | 480V / PWR TO 2W-1B1 CONT ACCIDENT RECIRCULATION FAN    | CB       | 26         | AREA 3   |
| 192      | 2           | A     | 2B52-39C     | 480V / TIE TO 2B00-45C ON 2B-01 BUS                     | CB       | 26         | AREA 3   |
| 193      | 2           | A     | 2B52-40B     | 480V / FEED TO 2B-03 FROM 2X-13 STATION SERVICE XFMR    | CB       | 26         | AREA 3   |
| 194      | 2           | A     | 2B52-40C     | 480V / TIE TO 2B00-25C ON 2B-04 BUS                     | CB       | 26         | AREA 3   |
| 195      | 1           | B     | 2B52-4210C   | 480V / PWR TO 2SW-2908 CONT RECIRC HX EMERGENCY FCV     | PAB      | 26         | AREA 5   |
| 196      | 1           | B     | 2B52-4210F   | 480V / PWR TO SW-2817 WT AREA CLG COIL INLET            | PAB      | 26         | AREA 5   |

Prepared by: Timothy J Dykstra 12/29/95 / Date  
 Timothy J Dykstra / Date

Checked by: John A. Hinck 1/3/96 / Date  
 John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                          | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 197      | 1           | B     | 2B52-4210J   | 480V / PWR TO SW-2869 NORTH HEADER TO WEST HEADER       | PAB      | 26         | AREA 5   |
| 198      | 1           | B     | 2B52-4210M   | 480V / PWR TO SW-2890 NORTH HDR TO SOUTH HDR XCONNECT   | PAB      | 26         | AREA 5   |
| 199      | 1           | B     | 2B52-4212B   | 480V / NORMAL PWR TO 2B4212B-B811M D-109 CHGR XFR SW    | PAB      | 26         | AREA 5   |
| 200      | 1           | B     | 2B52-4212G   | 480V / PWR TO 2SW-2880 TB COOLER SERVICE WATER INLET    | PAB      | 26         | AREA 5   |
| 201      | 1           | B     | 2B52-4212M   | 480V / PWR TO K-2B INSTRUMENT AIR COMPRESSOR            | PAB      | 26         | AREA 5   |
| 202      | 1           | B     | 2B52-421F    | 480V / PWR TO 2SI-852B LOW HEAD SI CORE DELUGE ISOL     | PAB      | 26         | AREA 5   |
| 203      | 1           | B     | 2B52-421J    | 480V / PWR TO 2SI-866B CORE DELUGE INJ LINE OUTBD ISOL  | PAB      | 26         | AREA 5   |
| 204      | 1           | B     | 2B52-421M    | 480V / PWR TO 2SI-860B CONT SPRAY PUMP DISCH REDUN ISOL | PAB      | 26         | AREA 5   |
| 205      | 1           | B     | 2B52-422C    | 480V / PWR TO 2SI-896B SI PUMP SUCTION                  | PAB      | 26         | AREA 5   |
| 206      | 1           | B     | 2B52-422F    | 480V / PWR TO 2SI-878C RV SAFETY INJECTION              | PAB      | 26         | AREA 5   |
| 207      | 1           | B     | 2B52-422J    | 480V / PWR TO 2SI-878B COLD LEG INJ TO T-34B OUT ISOL   | PAB      | 26         | AREA 5   |
| 208      | 1           | B     | 2B52-422M    | 480V / PWR TO 2SI-860D CONT SPRAY PUMP DISCH REDUN ISOL | PAB      | 26         | AREA 5   |
| 209      | 1           | B     | 2B52-423C    | 480V / PWR TO 2SI-851B RHR PUMP SUCT FROM CONT SUMP B   | PAB      | 26         | AREA 5   |
| 210      | 1           | B     | 2B52-423M    | 480V / PWR TO 2SI-871B CONT SPRAY PUMP SUCT FROM HX-11B | PAB      | 26         | AREA 5   |
| 211      | 1           | B     | 2B52-424C    | 480V / PWR TO 2SI-825B RWST OUTLET TO P-15A/B SI PUMP   | PAB      | 26         | AREA 5   |
| 212      | 1           | B     | 2B52-425F    | 480V / PWR TO 2SI-826A SI PUMP SUCTION/BAST SERIES ISOL | PAB      | 26         | AREA 5   |
| 213      | 1           | B     | 2B52-425J    | 480V / PWR TO 2SI-826B SI PUMP SUCT/BAST PARALLEL ISOL  | PAB      | 26         | AREA 5   |
| 214      | 1           | B     | 2B52-426C    | 480V / PWR TO 2CC-719 CONT EQUIP CC SUP HDR OUTBD ISOL  | PAB      | 26         | AREA 5   |
| 215      | 1           | B     | 2B52-426J    | 480V / PWR TO W-86 PAB BATTERY AND INVERTER RM VENT FAN | PAB      | 26         | AREA 5   |
| 216      | 1           | B     | 2B52-426M    | 480V / PWR TO 2RC-427 LOOP B COLD LEG/CVCS LETDOWN ISOL | PAB      | 26         | AREA 5   |
| 217      | 1           | B     | 2B52-427F    | 480V / PWR TO 2RC-516 PZR RC-430 PWR-OPER RELIEF INLET  | PAB      | 26         | AREA 5   |
| 218      | 1           | B     | 2B52-427M    | 480V / PWR TO 2AF-4006 AFP SUCTION FROM SERVICE WATER   | PAB      | 26         | AREA 5   |
| 219      | 1           | B     | 2B52-428C    | 480V / PWR TO AF-4016 AFP SUCTION FROM SERVICE WATER    | PAB      | 26         | AREA 5   |
| 220      | 1           | B     | 2B52-428F    | 480V / PWR TO AF-4020 AFP DISCHARGE TO 2HX-1B SG        | PAB      | 26         | AREA 5   |
| 221      | 1           | B     | 2B52-429M    | 480V / PWR TO W-12D G-02 ROOM EXHAUST FAN               | PAB      | 26         | AREA 5   |
| 222      | 7           | A     | AF-4007      | AF / P-38A AFP MINI RECIRC CONTROL                      | CB       | 8          | AREA 3   |
| 223      | 7           | A     | AF-4007-S    | AF / P-38A AFP MINI RECIRC CONTROL SOLENOID             | CB       | 8          | AREA 3   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/3/96 / Date  
 John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                       | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 224      | 8           | A     | AF-4007A-S   | AF / P-38A AFP COOLING WATER SOLENOID                | CB       | 8          | AREA 3   |
| 225      | 8           | A     | AF-4009      | AF / P-38A AFP SUCTION FROM SERVICE WATER            | CB       | 8          | AREA 3   |
| 226      | 8           | A     | AF-4009-M    | AF / P-38A AFP SUCTION FROM SERVICE WATER MOTOR      | CB       | 8          | AREA 3   |
| 227      | 7           | B     | AF-4014      | AF / P-38B AFP MINI RECIRC CONTROL                   | CB       | 8          | AREA 3   |
| 228      | 7           | B     | AF-4014-S    | AF / P-38B AFP MINI RECIRC CONTROL SOLENOID          | CB       | 8          | AREA 3   |
| 229      | 8           | B     | AF-4014A-S   | AF / P-38B AFP COOLING WATER SOLENOID                | CB       | 8          | AREA 3   |
| 230      | 8           | B     | AF-4016      | AF / P-38B AFP SUCTION FROM SERVICE WATER            | CB       | 8          | AREA 3   |
| 231      | 8           | B     | AF-4016-M    | AF / P-38B AFP SUCTION FROM SERVICE WATER MOTOR      | CB       | 8          | AREA 3   |
| 232      | 8           | B     | AF-4020      | AF / P-38B AFP DISCHARGE TO 2HX-1B STEAM GENERATOR   | CB       | 8          | AREA 3   |
| 233      | 8           | B     | AF-4020-M    | AF / P-38B AFP DISCHARGE TO 2HX-1B SG MOTOR          | CB       | 8          | AREA 3   |
| 234      | 8           | B     | AF-4021      | AF / P-38B AFP DISCHARGE TO 1HX-1B STEAM GENERATOR   | CB       | 8          | AREA 3   |
| 235      | 8           | B     | AF-4021-M    | AF / P-38B AFP DISCHARGE TO 1HX-1B SG MOTOR          | CB       | 8          | AREA 3   |
| 236      | 8           | A     | AF-4022      | AF / P-38A AFP DISCHARGE TO 2HX-1A STEAM GENERATOR   | CB       | 8          | AREA 3   |
| 237      | 8           | A     | AF-4022-M    | AF / P-38A AFP DISCHARGE TO 2HX-1A SG MOTOR          | CB       | 8          | AREA 3   |
| 238      | 8           | A     | AF-4023      | AF / P-38A AFP DISCHARGE TO 1HX-1A STEAM GENERATOR   | CB       | 8          | AREA 3   |
| 239      | 8           | A     | AF-4023-M    | AF / P-38A AFP DISCHARGE TO 1HX-1A SG MOTOR          | CB       | 8          | AREA 3   |
| 240      | 5           | A     | P-38A        | AF / AUX FEEDWATER MOTOR-DRIVEN PUMP                 | CB       | 8          | AREA 3   |
| 241      | 5           | A     | P-38A-M      | AF / AUX FEEDWATER MOTOR-DRIVEN PUMP MOTOR           | CB       | 8          | AREA 3   |
| 242      | 5           | B     | P-38B        | AF / AUX FEEDWATER MOTOR-DRIVEN PUMP                 | CB       | 8          | AREA 3   |
| 243      | 5           | B     | P-38B-M      | AF / AUX FEEDWATER MOTOR-DRIVEN PUMP MOTOR           | CB       | 8          | AREA 3   |
| 244      | 8           | A/B   | 1AF-4000     | AF / P-29 AFP DISCHARGE HX-1B SG INLET ISOLATION MOV | CB       | 8          | AREA 3   |
| 245      | 8           | A/B   | 1AF-4000-M   | AF / P-29 AFP DISCH TO HX-1B INLET ISOL MOV MOTOR    | CB       | 8          | AREA 3   |
| 246      | 8           | A/B   | 1AF-4001     | AF / P-29 AFP DISCHARGE HX-1A SG INLET ISOLATION MOV | CB       | 8          | AREA 3   |
| 247      | 8           | A/B   | 1AF-4001-M   | AF / P-29 AFP DISCH TO HX-1A INLET ISOL MOV MOTOR    | CB       | 8          | AREA 3   |
| 248      | 7           | A/B   | 1AF-4002     | AF / P-29 AFP MINI RECIRC CONTROL                    | CB       | 8          | AREA 3   |
| 249      | 7           | A/B   | 1AF-4002-S   | AF / P-29 AFP MINI RECIRC CONTROL SOLENOID           | CB       | 8          | AREA 3   |
| 250      | 8           | A/B   | 1AF-4006     | AF / P-29 AFP SUCTION FROM SERVICE WATER             | CB       | 8          | AREA 3   |

Prepared by:

*Timothy J. Dykstra* 12/24/95  
Timothy J. Dykstra / Date

Checked by:

*John A. Hinck* 1/5/96  
John A. Hinck / Date



RELAY EVALUATION REPORT

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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                       | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 251      | 8           | A/B   | 1AF-4006-M   | AF / P-29 AFP SUCTION FROM SERVICE WATER MOTOR       | CB       | 8          | AREA 3   |
| 252      | 14          | B     | 1SAF-4000    | AF / P-29 AFP DISCH HX-1B SG INLET ISOL MOV STARTER  | CB       | 8          | AREA 3   |
| 253      | 14          | A     | 1SAF-4001    | AF / P-29 AFP DISCH HX-1A SG INLET ISOL MOV STARTER  | CB       | 8          | AREA 3   |
| 254      | 8           | A/B   | 2AF-4000     | AF / P-29 AFP DISCHARGE HX-1B SG INLET ISOLATION MOV | CB       | 8          | AREA 3   |
| 255      | 8           | A/B   | 2AF-4000-M   | AF / P-29 AFP DISCH TO HX-1B INLET ISOL MOV MOTOR    | CB       | 8          | AREA 3   |
| 256      | 8           | A/B   | 2AF-4001     | AF / P-29 AFP DISCHARGE HX-1A SG INLET ISOLATION MOV | CB       | 8          | AREA 3   |
| 257      | 8           | A/B   | 2AF-4001-M   | AF / P-29 AFP DISCH TO HX-1A INLET ISOL MOV MOTOR    | CB       | 8          | AREA 3   |
| 258      | 7           | A/B   | 2AF-4002     | AF / P-29 AFP MINI RECIRC CONTROL                    | CB       | 8          | AREA 3   |
| 259      | 7           | A/B   | 2AF-4002-S   | AF / P-29 AFP MINI RECIRC CONTROL SOLENOID           | CB       | 8          | AREA 3   |
| 260      | 8           | A/B   | 2AF-4006     | AF / P-29 AFP SUCTION FROM SERVICE WATER             | CB       | 8          | AREA 3   |
| 261      | 8           | A/B   | 2AF-4006-M   | AF / P-29 AFP SUCTION FROM SERVICE WATER MOTOR       | CB       | 8          | AREA 3   |
| 262      | 14          | B     | 2SAF-4000    | AF / P-29 AFP DISCH HX-1B SG INLET ISOL MOV STARTER  | CB       | 8          | AREA 3   |
| 263      | 14          | A     | 2SAF-4001    | AF / P-29 AFP DISCH HX-1A SG INLET ISOL MOV STARTER  | CB       | 8          | AREA 3   |
| 264      | 7           | A/B   | CC-LW-63     | CC / RADWASTE CC SUPPLY                              | PAB      | 8          | AREA 6   |
| 265      | 7           | A/B   | CC-LW-63-S   | CC / RADWASTE CC SUPPLY SOLENOID                     | PAB      | 8          | AREA 6   |
| 266      | 7           | A/B   | CC-LW-64     | CC / RADWASTE CC RETURN                              | PAB      | 8          | AREA 6   |
| 267      | 7           | A/B   | CC-LW-64-S   | CC / RADWASTE CC RETURN SOLENOID                     | PAB      | 8          | AREA 6   |
| 268      | 8           | A/B   | 1CC-719      | CC / CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOLATION  | PAB      | 8          | PIPE 2   |
| 269      | 8           | A/B   | 1CC-719-M    | CC / CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOL MOTOR | PAB      | 8          | PIPE 2   |
| 270      | 8           | A/B   | 1CC-754A     | CC / P-1A RCP CC INLET MOV                           | PAB      | 8          | PIPE 2   |
| 271      | 8           | A/B   | 1CC-754A-M   | CC / P-1A RCP CC INLET MOV MOTOR                     | PAB      | 8          | PIPE 2   |
| 272      | 8           | A/B   | 1CC-754B     | CC / P-1B RCP CC INLET MOV                           | PAB      | 8          | PIPE 2   |
| 273      | 8           | A/B   | 1CC-754B-M   | CC / P-1B RCP CC INLET MOV MOTOR                     | PAB      | 8          | PIPE 2   |
| 274      | 8           | A/B   | 1CC-759A     | CC / P-1A RCP CC OUTLET MOV                          | PAB      | 8          | PIPE 2   |
| 275      | 8           | A/B   | 1CC-759A-M   | CC / P-1A RCP CC OUTLET MOV MOTOR                    | PAB      | 8          | PIPE 2   |
| 276      | 8           | A/B   | 1CC-759B     | CC / P-1B RCP CC OUTLET MOV                          | PAB      | 8          | PIPE 2   |
| 277      | 8           | A/B   | 1CC-759B-M   | CC / P-1B RCP CC OUTLET MOV MOTOR                    | PAB      | 8          | PIPE 2   |

Prepared by: Timothy J. Dykstra 12/27/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/3/96 / Date  
 John A. Hinck / Date



RELAY EVALUATION REPORT

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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                        | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 278      | 7           | A/B   | 1CC-761A     | CC / P-1A RCP THERMAL BARRIER COOLING RETURN          | U1C      | 21         | AREA 7   |
| 279      | 7           | A/B   | 1CC-761A-S   | CC / P-1A RCP THERMAL BARRIER COOLING RETURN SOLENOID | U1C      | 21         | AREA 7   |
| 280      | 7           | A/B   | 1CC-761B     | CC / P-1B RCP THERMAL BARRIER COOLING RETURN          | U1C      | 21         | AREA 7   |
| 281      | 7           | A/B   | 1CC-761B-S   | CC / P-1B RCP THERMAL BARRIER COOLING RETURN SOLENOID | U1C      | 21         | AREA 7   |
| 282      | 8           | A/B   | 1CC-815      | CC / T-12 CC SURGE TANK EMERGENCY MAKEUP WATER INLET  | PAB      | 8          | AREA 5   |
| 283      | 8           | A/B   | 1CC-815-M    | CC / T-12 CC SURGE TANK EMER MAKEUP WATER INLET MOTOR | PAB      | 8          | AREA 5   |
| 284      | 5           | A     | 1P-11A       | CC / COMPONENT COOLING WATER PUMP                     | PAB      | 8          | AREA 5   |
| 285      | 5           | A     | 1P-11A-M     | CC / COMPONENT COOLING WATER PUMP MOTOR               | PAB      | 8          | AREA 5   |
| 286      | 5           | B     | 1P-11B       | CC / COMPONENT COOLING WATER PUMP                     | PAB      | 8          | AREA 5   |
| 287      | 5           | B     | 1P-11B-M     | CC / COMPONENT COOLING WATER PUMP MOTOR               | PAB      | 8          | AREA 5   |
| 288      | 8           | A/B   | 2CC-719      | CC / CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOLATION   | PAB      | 8          | PIPE 3   |
| 289      | 8           | A/B   | 2CC-719-M    | CC / CONT EQUIP CC SUPPLY HEADER OUTBOARD ISOL MOTOR  | PAB      | 8          | PIPE 3   |
| 290      | 8           | A/B   | 2CC-754A     | CC / P-1A RCP CC INLET MOV                            | PAB      | 8          | PIPE 3   |
| 291      | 8           | A/B   | 2CC-754A-M   | CC / P-1A RCP CC INLET MOV MOTOR                      | PAB      | 8          | PIPE 3   |
| 292      | 8           | A/B   | 2CC-754B     | CC / P-1B RCP CC INLET MOV                            | PAB      | 8          | PIPE 3   |
| 293      | 8           | A/B   | 2CC-754B-M   | CC / P-1B RCP CC INLET MOV MOTOR                      | PAB      | 8          | PIPE 3   |
| 294      | 8           | A/B   | 2CC-759A     | CC / P-1A RCP CC OUTLET MOV                           | PAB      | 8          | PIPE 3   |
| 295      | 8           | A/P   | 2CC-759A-M   | CC / P-1A RCP CC OUTLET MOV MOTOR                     | PAB      | 8          | PIPE 3   |
| 296      | 8           | A/B   | 2CC-759B     | CC / P-1B RCP CC OUTLET MOV                           | PAB      | 8          | PIPE 3   |
| 297      | 8           | A/B   | 2CC-759B-M   | CC / P-1B RCP CC OUTLET MOV MOTOR                     | PAB      | 8          | PIPE 3   |
| 298      | 7           | A/B   | 2CC-761A     | CC / P-1A RCP THERMAL BARRIER COOLING RETURN          | U2C      | 21         | AREA 11  |
| 299      | 7           | A/B   | 2CC-761A-S   | CC / P-1A RCP THERMAL BARRIER COOLING RETURN SOLENOID | U2C      | 21         | AREA 11  |
| 300      | 7           | A/B   | 2CC-761B     | CC / P-1B RCP THERMAL BARRIER COOLING RETURN          | U2C      | 21         | AREA 11  |
| 301      | 7           | A/B   | 2CC-761B-S   | CC / P-1B RCP THERMAL BARRIER COOLING RETURN SOLENOID | U2C      | 21         | AREA 11  |
| 302      | 8           | A/B   | 2CC-815      | CC / T-12 CC SURGE TANK EMERGENCY MAKEUP WATER INLET  | PAB      | 8          | AREA 5   |
| 303      | 8           | A/B   | 2CC-815-M    | CC / T-12 CC SURGE TANK EMER MAKEUP WATER INLET MOTOR | PAB      | 8          | AREA 5   |
| 304      | 5           | A     | 2P-11A       | CC / COMPONENT COOLING WATER PUMP                     | PAB      | 8          | AREA 5   |

Prepared by : Timothy J. Dykstra 12/29/95 Checked by : John A. Hinck 1/8/96  
 Timothy J. Dykstra / Date John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                     | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 305      | 5           | A     | 2P-11A-M     | CC / COMPONENT COOLING WATER PUMP MOTOR            | PAB      | 8          | AREA 5   |
| 306      | 5           | B     | 2P-11B       | CC / COMPONENT COOLING WATER PUMP                  | PAB      | 8          | AREA 5   |
| 307      | 5           | B     | 2P-11B-M     | CC / COMPONENT COOLING WATER PUMP MOTOR            | PAB      | 8          | AREA 5   |
| 308      | 7           | A     | 1CS-466      | CS / HX-1A SG FEEDWATER REGULATOR CONTROL          | TB-South | 26         | AREA 2   |
| 309      | 7           | A     | 1CS-466A-S   | CS / HX-1A SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-South | 26         | AREA 2   |
| 310      | 7           | A     | 1CS-466B-S   | CS / HX-1A SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-South | 26         | AREA 2   |
| 311      | 7           | A     | 1CS-466C-S   | CS / HX-1A SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-South | 26         | AREA 2   |
| 312      | 7           | A     | 1CS-466D-S   | CS / HX-1A SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-South | 26         | AREA 2   |
| 313      | 7           | B     | 1CS-476      | CS / HX-1B SG FEEDWATER REGULATOR CONTROL          | TB-South | 26         | AREA 2   |
| 314      | 7           | B     | 1CS-476A-S   | CS / HX-1B SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-South | 26         | AREA 2   |
| 315      | 7           | B     | 1CS-476B-S   | CS / HX-1B SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-South | 26         | AREA 2   |
| 316      | 7           | B     | 1CS-476C-S   | CS / HX-1B SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-South | 26         | AREA 2   |
| 317      | 7           | B     | 1CS-476D-S   | CS / HX-1B SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-South | 26         | AREA 2   |
| 318      | 7           | A     | 1CS-480      | CS / HX-1A SG REGULATOR CONTROL BYPASS             | TB-South | 26         | AREA 2   |
| 319      | 7           | A     | 1CS-480-S    | CS / HX-1A SG REGULATOR CONTROL BYPASS SOLENOID    | TB-South | 26         | AREA 2   |
| 320      | 7           | B     | 1CS-481      | CS / HX-1B SG REGULATOR CONTROL BYPASS             | TB-South | 26         | AREA 2   |
| 321      | 7           | B     | 1CS-481-S    | CS / HX-1B SG REGULATOR CONTROL BYPASS SOLENOID    | TB-South | 26         | AREA 2   |
| 322      | 7           | A     | 2CS-466      | CS / HX-1A SG FEEDWATER REGULATOR CONTROL          | TB-North | 26         | AREA 9   |
| 323      | 7           | A     | 2CS-466A-S   | CS / HX-1A SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-North | 26         | AREA 9   |
| 324      | 7           | A     | 2CS-466B-S   | CS / HX-1A SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-North | 26         | AREA 9   |
| 325      | 7           | A     | 2CS-466C-S   | CS / HX-1A SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-North | 26         | AREA 9   |
| 326      | 7           | A     | 2CS-466D-S   | CS / HX-1A SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-North | 26         | AREA 9   |
| 327      | 7           | B     | 2CS-476      | CS / HX-1B SG FEEDWATER REGULATOR CONTROL          | TB-North | 26         | AREA 9   |
| 328      | 7           | B     | 2CS-476A-S   | CS / HX-1B SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-North | 26         | AREA 9   |
| 329      | 7           | B     | 2CS-476B-S   | CS / HX-1B SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-North | 26         | AREA 9   |
| 330      | 7           | B     | 2CS-476C-S   | CS / HX-1B SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-North | 26         | AREA 9   |
| 331      | 7           | B     | 2CS-476D-S   | CS / HX-1B SG FEEDWATER REGULATOR CONTROL SOLENOID | TB-North | 26         | AREA 9   |

Prepared by: Timothy J. Dykstra 1/29/95 Checked by: John A. Hinck 1/3/96  
 Timothy J. Dykstra / Date John A. Hinck / Date





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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                       | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 332      | 7           | A     | 2CS-480      | CS / HX-1A SG REGULATOR CONTROL BYPASS               | TB-North | 26         | AREA 9   |
| 333      | 7           | A     | 2CS-480-S    | CS / HX-1A SG REGULATOR CONTROL BYPASS SOLENOID      | TB-North | 26         | AREA 9   |
| 334      | 7           | B     | 2CS-481      | CS / HX-1B SG REGULATOR CONTROL BYPASS               | TB-North | 26         | AREA 9   |
| 335      | 7           | B     | 2CS-481-S    | CS / HX-1B SG REGULATOR CONTROL BYPASS SOLENOID      | TB-North | 26         | AREA 9   |
| 336      | 8           | A/B   | 1CV-112B     | CV / P-2A-C CHARGING PUMP REFUELING WATER SUCTION    | PAB      | 8          | AREA 4   |
| 337      | 8           | A/B   | 1CV-112B-M   | CV / P-2A-C CHG PUMP REFUELING WATER SUCTION MOTOR   | PAB      | 8          | AREA 4   |
| 338      | 7           | A/B   | 1CV-200A     | CV / LETDOWN ORIFICE A OUTLET CONTROL                | U1C      | 21         | AREA 7   |
| 339      | 7           | A/B   | 1CV-200A-S   | CV / LETDOWN ORIFICE A OUTLET CONTROL SLENOID        | U1C      | 21         | AREA 7   |
| 340      | 7           | A/B   | 1CV-200B     | CV / LETDOWN ORIFICE B OUTLET CONTROL                | U1C      | 21         | AREA 7   |
| 341      | 7           | A/B   | 1CV-200B-S   | CV / LETDOWN ORIFICE B OUTLET CONTROL SLENOID        | U1C      | 21         | AREA 7   |
| 342      | 7           | A/B   | 1CV-200C     | CV / LETDOWN ORIFICE C OUTLET CONTROL                | U1C      | 21         | AREA 7   |
| 343      | 7           | A/B   | 1CV-200C-S   | CV / LETDOWN ORIFICE C OUTLET CONTROL SLENOID        | U1C      | 21         | AREA 7   |
| 344      | 8           | A/B   | 1CV-285      | CV / HX-4 ELHX OUTLET                                | U1C      | 21         | AREA 7   |
| 345      | 8           | A/B   | 1CV-285-M    | CV / HX-4 ELHX OUTLET MOTOR                          | U1C      | 21         | AREA 7   |
| 346      | 7           | A/B   | 1CV-296      | CV / HX-2 REGEN HX TO AUXILIARY SPRAY                | U1C      | 21         | AREA 7   |
| 347      | 7           | A/B   | 1CV-296-S    | CV / HX-2 REGEN HX TO AUXILIARY SPRAY SOLENOID       | U1C      | 21         | AREA 7   |
| 348      | 8           | A/B   | 1CV-313      | CV / P-1A/B RCP #1 SEAL WATER RETURN ISOLATION       | PAB      | 8          | PIPE 2   |
| 349      | 8           | A/B   | 1CV-313-M    | CV / P-1A/B RCP #1 SEAL WATER RETURN ISOLATION MOTOR | PAB      | 8          | PIPE 2   |
| 350      | 7           | A/B   | 1CV-313A     | CV / P-1A/B RCP #1 SEAL WATER RETURN ISOLATION       | U1C      | 8          | AREA 7   |
| 351      | 7           | A/B   | 1CV-313A-S   | CV / P-1A/B RCP #1 SEAL WATER RETURN ISOLATION SOL   | U1C      | 8          | AREA 7   |
| 352      | 7           | A/B   | 1CV-371      | CV / LETDOWN LINE CONTAINMENT ISOLATION              | PAB      | 8          | AREA 5   |
| 353      | 7           | A/B   | 1CV-371-S    | CV / LETDOWN LINE CONTAINMENT ISOLATION SOLENOID     | PAB      | 8          | PIPE 2   |
| 354      | 7           | A/B   | 1CV-371A     | CV / LETDOWN LINE CONTAINMENT ISOLATION              | U1C      | 21         | AREA 7   |
| 355      | 7           | A/B   | 1CV-371A-S   | CV / LETDOWN LINE CONTAINMENT ISOLATION SOLENOID     | U1C      | 21         | AREA 7   |
| 356      | 8           | A/B   | 2CV-112B     | CV / P-2A-C CHARGING PUMP REFUELING WATER SUCTION    | PAB      | 8          | AREA 6   |
| 357      | 8           | A/B   | 2CV-112B-M   | CV / P-2A-C CHG PUMP REFUELING WATER SUCTION MOTOR   | PAB      | 8          | AREA 6   |
| 358      | 7           | A/B   | 2CV-200A     | CV / LETDOWN ORIFICE A OUTLET CONTROL                | U2C      | 21         | AREA 11  |

Prepared by: Timothy J Dykstra 12/29/95 Checked by: John A. Hinck 1/3/96  
 Timothy J. Dykstra / Date John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                       | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 359      | 7           | A/B   | 2CV-200A-S   | CV / LETDOWN ORIFICE A OUTLET CONTROL SOLENOID       | U2C      | 21         | AREA 11  |
| 360      | 7           | A/B   | 2CV-200B     | CV / LETDOWN ORIFICE B OUTLET CONTROL                | U2C      | 21         | AREA 11  |
| 361      | 7           | A/B   | 2CV-200B-S   | CV / LETDOWN ORIFICE B OUTLET CONTROL SOLENOID       | U2C      | 21         | AREA 11  |
| 362      | 7           | A/B   | 2CV-200C     | CV / LETDOWN ORIFICE C OUTLET CONTROL                | U2C      | 21         | AREA 11  |
| 363      | 7           | A/B   | 2CV-200C-S   | CV / LETDOWN ORIFICE C OUTLET CONTROL SOLENOID       | U2C      | 21         | AREA 11  |
| 364      | 8           | A/B   | 2CV-285      | CV / HX-4 ELHX OUTLET                                | U2C      | 21         | AREA 11  |
| 365      | 8           | A/B   | 2CV-285-M    | CV / HX-4 ELHX OUTLET MOTOR                          | U2C      | 21         | AREA 11  |
| 366      | 7           | A/B   | 2CV-296      | CV / HX-2 REGEN HX TO AUXILIARY SPRAY                | U2C      | 21         | AREA 11  |
| 367      | 7           | A/B   | 2CV-296-S    | CV / HX-2 REGEN HX TO AUXILIARY SPRAY SOLENOID       | U2C      | 21         | AREA 11  |
| 368      | 8           | A/B   | 2CV-313      | CV / P-1A/B RCP #1 SEAL WATER RETURN ISOLATION       | PAB      | 8          | PIPE 3   |
| 369      | 8           | A/B   | 2CV-313-M    | CV / P-1A/B RCP #1 SEAL WATER RETURN ISOLATION MOTOR | PAB      | 8          | PIPE 3   |
| 370      | 7           | A/B   | 2CV-313A     | CV / P-1A/B RCP #1 SEAL WATER RETURN ISOLATION       | U2C      | 8          | AREA 11  |
| 371      | 7           | A/B   | 2CV-313A-S   | CV / P-1A/B RCP #1 SEAL WATER RETURN ISOLATION SOL   | U2C      | 8          | AREA 11  |
| 372      | 7           | A/B   | 2CV-371      | CV / LETDOWN LINE CONTAINMENT ISOLATION              | PAB      | 8          | AREA 5   |
| 373      | 7           | A/B   | 2CV-371-S    | CV / LETDOWN LINE CONTAINMENT ISOLATION SOLENOID     | PAB      | 8          | PIPE 3   |
| 374      | 7           | A/B   | 2CV-371A     | CV / LETDOWN LINE CONTAINMENT ISOLATION              | U2C      | 21         | AREA 11  |
| 375      | 7           | A/B   | 2CV-371A-S   | CV / LETDOWN LINE CONTAINMENT ISOLATION SOLENOID     | U2C      | 21         | AREA 11  |
| 376      | 7           | A     | DA-6318A-S   | DA / G-01 EDG RIGHT BANK STARTING AIR SOLENOID       | CB       | 8          | AREA 3   |
| 377      | 7           | A     | DA-6318B-S   | DA / G-01 EDG LEFT BANK STARTING AIR SOLENOID        | CB       | 8          | AREA 3   |
| 378      | 7           | B     | DA-6319A-S   | DA / G-02 EDG RIGHT BANK STARTING AIR SOLENOID       | CB       | 8          | AREA 3   |
| 379      | 7           | B     | DA-6319B-S   | DA / G-02 EDG LEFT BANK STARTING AIR SOLENOID        | CB       | 8          | AREA 3   |
| 380      | 17          | A     | G-01         | DG / EMERGENCY DIESEL GENERATOR                      | CB       | 8          | AREA 3   |
| 381      | 17          | B     | G-02         | DG / EMERGENCY DIESEL GENERATOR                      | CB       | 8          | AREA 3   |
| 382      | 8           | A     | FO-3930      | FO / T-31A DG DAY TANK INLET SECOND OFF ISOLATION    | CB       | 8          | AREA 3   |
| 383      | 8           | A     | FO-3930-M    | FO / T-31A DG DAY TANK INLET SECOND OFF ISOL MOTOR   | CB       | 8          | AREA 3   |
| 384      | 8           | B     | FO-3931      | FO / T-31B DG DAY TANK INLET SECOND OFF ISOLATION    | CB       | 8          | AREA 3   |
| 385      | 8           | B     | FO-3931-M    | FO / T-31B DG DAY TANK INLET SECOND OFF ISOL MOTOR   | CB       | 8          | AREA 3   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/5/96 / Date  
 John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                       | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 386      | 7           | B     | 1MS-2017     | MS / HX-1B SG STEAM HEADER MAIN STEAM STOP CONTROL   | U1F      | 85         | AREA 7   |
| 387      | 18          | B     | 1MS-2017A-S  | MS / MS-2017 MAIN STEAM STOP SOLENOID                | U1F      | 85         | AREA 7   |
| 388      | 18          | B     | 1MS-2017B-S  | MS / MS-2017 MAIN STEAM STOP SOLENOID                | U1F      | 85         | AREA 7   |
| 389      | 18          | B     | 1MS-2017C-S  | MS / MS-2017 MAIN STEAM STOP SOLENOID                | U1F      | 85         | AREA 7   |
| 390      | 18          | B     | 1MS-2017D-S  | MS / MS-2017 MAIN STEAM STOP SOLENOID                | U1F      | 85         | AREA 7   |
| 391      | 7           | A     | 1MS-2018     | MS / HX-1A SG STEAM HEADER MAIN STEAM STOP CONTROL   | U1F      | 85         | AREA 7   |
| 392      | 18          | A     | 1MS-2018A-S  | MS / MS-2018 MAIN STEAM STOP SOLENOID                | U1F      | 85         | AREA 7   |
| 393      | 18          | A     | 1MS-2018B-S  | MS / MS-2018 MAIN STEAM STOP SOLENOID                | U1F      | 85         | AREA 7   |
| 394      | 18          | A     | 1MS-2018C-S  | MS / MS-2018 MAIN STEAM STOP SOLENOID                | U1F      | 85         | AREA 7   |
| 395      | 18          | A     | 1MS-2018D-S  | MS / MS-2018 MAIN STEAM STOP SOLENOID                | U1F      | 85         | AREA 7   |
| 396      | 8           | B     | 1MS-2019     | MS / HX-1B SG HEADER P-29 AFP STEAM SUPPLY MOV       | PAB      | 46         | AREA 5   |
| 397      | 8           | B     | 1MS-2019-M   | MS / HX-1B SG HEADER P-29 AFP STEAM SUPPLY MOV MOTOR | PAB      | 46         | AREA 5   |
| 398      | 8           | A     | 1MS-2020     | MS / HX-1A SG HEADER P-29 AFP STEAM SUPPLY MOV       | PAB      | 46         | AREA 5   |
| 399      | 8           | A     | 1MS-2020-M   | MS / HX-1A SG HEADER P-29 AFP STEAM SUPPLY MOV MOTOR | PAB      | 46         | AREA 5   |
| 400      | 7           | A     | 1MS-2042     | MS / HX-1A SG STEAM HEADER BLOWDOWN CONTROL          | U1F      | 26         | AREA 7   |
| 401      | 7           | A     | 1MS-2042-S   | MS / HX-1A SG STEAM HEADER BLOWDOWN CONTROL SOLENOID | U1F      | 26         | AREA 7   |
| 402      | 7           | B     | 1MS-2045     | MS / HX-1B SG STEAM HEADER BLOWDOWN CONTROL          | U1F      | 26         | AREA 7   |
| 403      | 7           | B     | 1MS-2045-S   | MS / HX-1B SG STEAM HEADER BLOWDOWN CONTROL SOLENOID | U1F      | 26         | AREA 7   |
| 404      | 7           | A     | 1MS-2083     | MS / HX-1A SG SAMPLE ISOLATION CONTROL               | PAB      | 8          | AREA 4   |
| 405      | 7           | A     | 1MS-2083-S   | MS / HX-1A SG SAMPLE ISOLATION CONTROL SOLENOID      | PAB      | 8          | AREA 4   |
| 406      | 7           | B     | 1MS-2084     | MS / HX-1B SG SAMPLE ISOLATION CONTROL               | PAB      | 8          | AREA 4   |
| 407      | 7           | B     | 1MS-2084-S   | MS / HX-1B SG SAMPLE ISOLATION CONTROL SOLENOID      | PAB      | 8          | AREA 4   |
| 408      | 7           | A/B   | 1MS-2090     | MS / P-29 AFP BEARING COOLING INLET                  | CB       | 8          | AREA 3   |
| 409      | 7           | A/B   | 1MS-2090-S   | MS / P-29 AFP BEARING COOLING SOLENOID               | CB       | 8          | AREA 3   |
| 410      | 7           | A     | 1MS-5958     | MS / HX-1A SG BLOWDOWN ISOLATION                     | U1C      | 21         | AREA 7   |
| 411      | 7           | A     | 1MS-5958-S   | MS / HX-1A SG BLOWDOWN ISOLATION SOLENOID            | U1C      | 21         | AREA 7   |
| 412      | 7           | B     | 1MS-5959     | MS / HX-1B SG BLOWDOWN ISOLATION                     | U1C      | 21         | AREA 7   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date

Checked by: John A. Hinck 1/2/96 / Date  
 John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                       | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 413      | 7           | B     | 1MS-5959-S   | MS / HX-1B SG BLOWDOWN ISOLATION SOLENOID            | U1C      | 21         | AREA 7   |
| 414      | 14          | B     | 1SMS-2019    | MS / HX-1B SG HDR P-29 AFP STEAM SUPPLY MOV STARTER  | CB       | 8          | AREA 3   |
| 415      | 14          | A     | 1SMS-2020    | MS / HX-1A SG HDR P-29 AFP STEAM SUPPLY MOV STARTER  | CB       | 8          | AREA 3   |
| 416      | 7           | B     | 2MS-2017     | MS / HX-1B SG STEAM HEADER MAIN STEAM STOP CONTROL   | U2F      | 85         | AREA 11  |
| 417      | 18          | B     | 2MS-2017A-S  | MS / MS-2017 MAIN STEAM STOP SOLENOID                | U2F      | 85         | AREA 11  |
| 418      | 18          | B     | 2MS-2017B-S  | MS / MS-2017 MAIN STEAM STOP SOLENOID                | U2F      | 85         | AREA 11  |
| 419      | 18          | B     | 2MS-2017C-S  | MS / MS-2017 MAIN STEAM STOP SOLENOID                | U2F      | 85         | AREA 11  |
| 420      | 18          | B     | 2MS-2017D-S  | MS / MS-2017 MAIN STEAM STOP SOLENOID                | U2F      | 85         | AREA 11  |
| 421      | 7           | A     | 2MS-2018     | MS / HX-1A SG STEAM HEADER MAIN STEAM STOP CONTROL   | U2F      | 85         | AREA 11  |
| 422      | 18          | A     | 2MS-2018A-S  | MS / MS-2018 MAIN STEAM STOP SOLENOID                | U2F      | 85         | AREA 11  |
| 423      | 18          | A     | 2MS-2018B-S  | MS / MS-2018 MAIN STEAM STOP SOLENOID                | U2F      | 85         | AREA 11  |
| 424      | 18          | A     | 2MS-2018C-S  | MS / MS-2018 MAIN STEAM STOP SOLENOID                | U2F      | 85         | AREA 11  |
| 425      | 18          | A     | 2MS-2018D-S  | MS / MS-2018 MAIN STEAM STOP SOLENOID                | U2F      | 85         | AREA 11  |
| 426      | 8           | B     | 2MS-2019     | MS / HX-1B SG HEADER P-29 AFP STEAM SUPPLY MOV       | PAB      | 46         | AREA 5   |
| 427      | 8           | B     | 2MS-2019-M   | MS / HX-1B SG HEADER P-29 AFP STEAM SUPPLY MOV MOTOR | PAB      | 46         | AREA 5   |
| 428      | 8           | A     | 2MS-2020     | MS / HX-1A SG HEADER P-29 AFP STEAM SUPPLY MOV       | PAB      | 46         | AREA 5   |
| 429      | 8           | A     | 2MS-2020-M   | MS / HX-1A SG HEADER P-29 AFP STEAM SUPPLY MOV MOTOR | PAB      | 46         | AREA 5   |
| 430      | 7           | A     | 2MS-2042     | MS / HX-1A SG STEAM HEADER BLOWDOWN CONTROL          | U2F      | 26         | AREA 11  |
| 431      | 7           | A     | 2MS-2042-S   | MS / HX-1A SG STEAM HEADER BLOWDOWN CONTROL SOLENOID | U2F      | 26         | AREA 11  |
| 432      | 7           | B     | 2MS-2045     | MS / HX-1B SG STEAM HEADER BLOWDOWN CONTROL          | U2F      | 26         | AREA 11  |
| 433      | 7           | B     | 2MS-2045-S   | MS / HX-1B SG STEAM HEADER BLOWDOWN CONTROL SOLENOID | U2F      | 26         | AREA 11  |
| 434      | 7           | A     | 2MS-2083     | MS / HX-1A SG SAMPLE ISOLATION CONTROL               | PAB      | 8          | AREA 6   |
| 435      | 7           | A     | 2MS-2083-S   | MS / HX-1A SG SAMPLE ISOLATION CONTROL SOLENOID      | PAB      | 8          | AREA 6   |
| 436      | 7           | B     | 2MS-2084     | MS / HX-1B SG SAMPLE ISOLATION CONTROL               | PAB      | 8          | AREA 6   |
| 437      | 7           | B     | 2MS-2084-S   | MS / HX-1B SG SAMPLE ISOLATION CONTROL SOLENOID      | PAB      | 8          | AREA 6   |
| 438      | 7           | A/B   | 2MS-2090     | MS / P-29 AFP BEARING COOLING INLET                  | CB       | 8          | AREA 3   |
| 439      | 7           | A/B   | 2MS-2090-S   | MS / P-29 AFP BEARING COOLING SOLENOID               | CB       | 8          | AREA 3   |

Prepared by: Timothy J. Dykstra 12/27/95 Checked by: John A. Hinch 1/8/96  
 Timothy J. Dykstra / Date John A. Hinch / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                        | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 440      | 7           | B     | 2MS-5958     | MS / HX-1B SG BLOWDOWN ISOLATION                      | U2C      | 21         | AREA 11  |
| 441      | 7           | B     | 2MS-5958-S   | MS / HX-1B SG BLOWDOWN ISOLATION SOLENOID             | U2C      | 21         | AREA 11  |
| 442      | 7           | A     | 2MS-5959     | MS / HX-1A SG BLOWDOWN ISOLATION                      | U2C      | 21         | AREA 11  |
| 443      | 7           | A     | 2MS-5959-S   | MS / HX-1A SG BLOWDOWN ISOLATION SOLENOID             | U2C      | 21         | AREA 11  |
| 444      | 14          | B     | 2SMS-2019    | MS / HX-1B SG HDR P-29 AFP STEAM SUPPLY MOV STARTER   | CB       | 8          | AREA 3   |
| 445      | 14          | A     | 2SMS-2020    | MS / HX-1A SG HDR P-29 AFP STEAM SUPPLY MOV STARTER   | CB       | 8          | AREA 3   |
| 446      | 8           | A/B   | 1RC-427      | RC / RC LOOP B COLD LEG TO CVCS LETDOWN ISOLATION     | U1C      | 21         | AREA 7   |
| 447      | 8           | A/B   | 1RC-427-M    | RC / RC LOOP B COLD LEG TO CVCS LETDOWN ISOLATION MOT | U1C      | 21         | AREA 7   |
| 448      | 7           | A/B   | 1RC-430      | RC / T-1 PZR POWER-OPERATED RELIEF                    | U1C      | 76         | AREA 7   |
| 449      | 7           | A/B   | 1RC-430-S    | RC / T-1 PZR POWER-OPERATED RELIEF SOLENOID           | U1C      | 76         | AREA 7   |
| 450      | 7           | A/B   | 1RC-431A     | RC / T-1 PZR SPRAY LINE PRESSURE CONTROL              | U1C      | 76         | AREA 7   |
| 451      | 7           | A/B   | 1RC-431A-S   | RC / T-1 PZR SPRAY LINE PRESSURE CONTROL SOLENOID     | U1C      | 76         | AREA 7   |
| 452      | 7           | A/B   | 1RC-431B     | RC / T-1 PZR SPRAY LINE PRESSURE CONTROL              | U1C      | 76         | AREA 7   |
| 453      | 7           | A/B   | 1RC-431B-S   | RC / T-1 PZR SPRAY LINE PRESSURE CONTROL SOLENOID     | U1C      | 76         | AREA 7   |
| 454      | 7           | A/B   | 1RC-431C     | RC / T-1 PZR POWER-OPERATED RELIEF                    | U1C      | 76         | AREA 7   |
| 455      | 7           | A/B   | 1RC-431C-S   | RC / T-1 PZR POWER-OPERATED RELIEF SOLENOID           | U1C      | 76         | AREA 7   |
| 456      | 8           | A/B   | 1RC-515      | RC / T-1 PZR RC-431C POWER-OPERATED RELIEF ISOLATION  | U1C      | 76         | AREA 7   |
| 457      | 8           | A/B   | 1RC-515-M    | RC / T-1 PZR RC-431C POWER-OPERATED RELIEF ISOL MOTOR | U1C      | 76         | AREA 7   |
| 458      | 8           | A/B   | 1RC-516      | RC / T-1 PZR RC-430 POWER-OPERATED RELIEF ISOLATION   | U1C      | 76         | AREA 7   |
| 459      | 8           | A/B   | 1RC-516-M    | RC / T-1 PZR RC-430 POWER-OPERATED RELIEF ISOL MOTOR  | U1C      | 76         | AREA 7   |
| 460      | 8           | A     | 1RC-570A     | RC / R-1 RV HEAD VENT SOLENOID                        | U1C      | 66         | AREA 7   |
| 461      | 8           | B     | 1RC-570B     | RC / R-1 RV HEAD VENT SOLENOID                        | U1C      | 66         | AREA 7   |
| 462      | 8           | A/B   | 1RC-575A     | RC / R-1 RV/T-1 PZR VENT HEADER TO T-2 PRT SOLENOID   | U1C      | 66         | AREA 7   |
| 463      | 8           | A/B   | 1RC-575B     | RC / R-1 RV/T-1 PZR GAS VENT TO CONT STANDPIPE SOL    | U1C      | 66         | AREA 7   |
| 464      | 8           | A     | 1RC-580A     | RC / T-1 PZR VENT ISOLATION SOLENOID                  | U1C      | 66         | AREA 7   |
| 465      | 8           | B     | 1RC-580B     | RC / T-1 PZR VENT ISOLATION SOLENOID                  | U1C      | 66         | AREA 7   |
| 466      | 8           | A/B   | 2RC-427      | RC / RC LOOP B COLD LEG TO CVCS LETDOWN ISOLATION     | U2C      | 21         | AREA 11  |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/8/96 / Date  
 John A. Hinck / Date



RELAY EVALUATION REPORT

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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                        | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 467      | 8           | A/B   | 2RC-427-M    | RC / RC LOOP B COLD LEG TO CVCS LETDOWN ISOLATION MOT | U2C      | 21         | AREA 11  |
| 468      | 7           | A/B   | 2RC-430      | RC / T-1 PZR POWER-OPERATED RELIEF                    | U2C      | 76         | AREA 11  |
| 469      | 7           | A/B   | 2RC-430-S    | RC / T-1 PZR POWER-OPERATED RELIEF SOLENOID           | U2C      | 76         | AREA 11  |
| 470      | 7           | A/B   | 2RC-431A     | RC / T-1 PZR SPRAY LINE PRESSURE CONTROL              | U2C      | 76         | AREA 11  |
| 471      | 7           | A/B   | 2RC-431A-S   | RC / T-1 PZR SPRAY LINE PRESSURE CONTROL SOLENOID     | U2C      | 76         | AREA 11  |
| 472      | 7           | A/B   | 2RC-431B     | RC / T-1 PZR SPRAY LINE PRESSURE CONTROL              | U2C      | 76         | AREA 11  |
| 473      | 7           | A/B   | 2RC-431B-S   | RC / T-1 PZR SPRAY LINE PRESSURE CONTROL SOLENOID     | U2C      | 76         | AREA 11  |
| 474      | 7           | A/B   | 2RC-431C     | RC / T-1 PZR POWER-OPERATED RELIEF                    | U2C      | 76         | AREA 11  |
| 475      | 7           | A/B   | 2RC-431C-S   | RC / T-1 PZR POWER-OPERATED RELIEF SOLENOID           | U2C      | 76         | AREA 11  |
| 476      | 8           | A/B   | 2RC-515      | RC / T-1 PZR RC-431C POWER-OPERATED RELIEF ISOLATION  | U2C      | 76         | AREA 11  |
| 477      | 8           | A/B   | 2RC-515-M    | RC / T-1 PZR RC-431C POWER-OPERATED RELIEF ISOL MOTOR | U2C      | 76         | AREA 11  |
| 478      | 8           | A/B   | 2RC-516      | RC / T-1 PZR RC-430 POWER-OPERATED RELIEF ISOLATION   | U2C      | 76         | AREA 11  |
| 479      | 8           | A/B   | 2RC-516-M    | RC / T-1 PZR RC-430 POWER-OPERATED RELIEF ISOL MOTOR  | U2C      | 76         | AREA 11  |
| 480      | 8           | A     | 2RC-570A     | RC / R-1 RV HEAD VENT SOLENOID                        | U2C      | 66         | AREA 11  |
| 481      | 8           | B     | 2RC-570B     | RC / R-1 RV HEAD VENT SOLENOID                        | U2C      | 66         | AREA 11  |
| 482      | 8           | A/B   | 2RC-575A     | RC / R-1 RV/T-1 PZR VENT HEADER TO T-2 PRT SOLENOID   | U2C      | 66         | AREA 11  |
| 483      | 8           | A/B   | 2RC-575B     | RC / R-1 RV/T-1 PZR GAS VENT TO CONT STANDPIPE SOL    | U2C      | 66         | AREA 11  |
| 484      | 8           | A     | 2RC-580A     | RC / T-1 PZR VENT ISOLATION SOLENOID                  | U2C      | 66         | AREA 11  |
| 485      | 8           | B     | 2RC-580B     | RC / T-1 PZR VENT ISOLATION SOLENOID                  | U2C      | 66         | AREA 11  |
| 486      | 3           | A     | 1-52/BYA     | RP / REACTOR TRIP BYPASS BREAKER                      | PAB      | 46         | AREA 4   |
| 487      | 3           | B     | 1-52/BYB     | RP / REACTOR TRIP BYPASS BREAKER                      | PAB      | 46         | AREA 4   |
| 488      | 3           | A     | 1-52/RTA     | RP / REACTOR TRIP BREAKER                             | PAB      | 46         | AREA 4   |
| 489      | 3           | B     | 1-52/RTB     | RP / REACTOR TRIP BREAKER                             | PAB      | 46         | AREA 4   |
| 490      | 3           | A     | 2-52/BYA     | RP / REACTOR TRIP BYPASS BREAKER                      | PAB      | 46         | AREA 6   |
| 491      | 3           | B     | 2-52/BYB     | RP / REACTOR TRIP BYPASS BREAKER                      | PAB      | 46         | AREA 6   |
| 492      | 3           | A     | 2-52/RTA     | RP / REACTOR TRIP BREAKER                             | PAB      | 46         | AREA 6   |
| 493      | 3           | B     | 2-52/RTB     | RP / REACTOR TRIP BREAKER                             | PAB      | 46         | AREA 6   |

Prepared by: Timothy J Dykstra 12/29/95  
 Timothy J Dykstra / Date  
 Checked by: John A. Hinck 1/8/96  
 John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                        | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 494      | 7           | A/B   | RS-SA-10     | RS / UNIT 2 RADWASTE STEAM TRIP                       | PAB      | 46         | AREA 5   |
| 495      | 7           | A/B   | RS-SA-10-1   | RS / UNIT 2 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 496      | 7           | A/B   | RS-SA-10-2   | RS / UNIT 2 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 497      | 7           | A/B   | RS-SA-10-3   | RS / UNIT 2 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 498      | 7           | A/B   | RS-SA-10-4   | RS / UNIT 2 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 499      | 7           | A/B   | RS-SA-10-5   | RS / UNIT 2 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 500      | 7           | A/B   | RS-SA-10-6   | RS / UNIT 2 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 501      | 7           | A/B   | RS-SA-10-7   | RS / UNIT 2 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 502      | 7           | A/B   | RS-SA-9      | RS / UNIT 1 RADWASTE STEAM TRIP                       | PAB      | 46         | AREA 5   |
| 503      | 7           | A/B   | RS-SA-9-1    | RS / UNIT 1 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 504      | 7           | A/B   | RS-SA-9-2    | RS / UNIT 1 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 505      | 7           | A/B   | RS-SA-9-3    | RS / UNIT 1 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 506      | 7           | A/B   | RS-SA-9-4    | RS / UNIT 1 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 507      | 7           | A/B   | RS-SA-9-5    | RS / UNIT 1 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 508      | 7           | A/B   | RS-SA-9-6    | RS / UNIT 1 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 509      | 7           | A/B   | RS-SA-9-7    | RS / UNIT 1 RADWASTE STEAM TRIP SOLENOID              | PAB      | 46         | AREA 5   |
| 510      | 7           | A/B   | 1SC-951      | SC / PZR STEAM SPACE SAMPLE CONTAINMENT ISOLATION     | U1C      | 21         | AREA 7   |
| 511      | 7           | A/B   | 1SC-951-S    | SC / PZR STEAM SPACE SAMPLE CONTAINMENT ISOL SOLENOID | U1C      | 21         | AREA 7   |
| 512      | 7           | A/B   | 1SC-953      | SC / PZR LIQUID SPACE SAMPLE CONTAINMENT ISOLATION    | U1C      | 21         | AREA 7   |
| 513      | 7           | A/B   | 1SC-953-S    | SC / PZR LIQUID SPACE SAMPLE CONTAINMENT ISOL SOL     | U1C      | 21         | AREA 7   |
| 514      | 7           | A/B   | 1SC-955      | SC / RC HOT LEG SAMPLE ISOLATION                      | U1C      | 10         | AREA 7   |
| 515      | 7           | A/B   | 1SC-955-S    | SC / RC HOT LEG SAMPLE ISOLATION SOLENOID             | U1C      | 10         | AREA 7   |
| 516      | 7           | A/B   | 1SC-959      | SC / RHR LOOP SAMPLE ISOLATION                        | PAB      | 8          | AREA 5   |
| 517      | 7           | A/B   | 1SC-959-S    | SC / RHR LOOP SAMPLE ISOLATION SOLENOID               | PAB      | 8          | AREA 5   |
| 518      | 7           | A/B   | 1SC-966C     | SC / RC HOT LEG SAMPLE                                | PAB      | 8          | AREA 4   |
| 519      | 7           | A/B   | 1SC-966C-S   | SC / RC HOT LEG SAMPLE SOLENOID                       | PAB      | 8          | AREA 4   |
| 520      | 7           | A/B   | 2SC-951      | SC / PZR STEAM SPACE SAMPLE CONTAINMENT ISOLATION     | U2C      | 21         | AREA 11  |

Prepared by:

*Timothy J. Dykstra* 12/29/95  
 Timothy J. Dykstra / Date

Checked by:

*John A. Hinch* 1/3/96  
 John A. Hinch / Date



RELAY EVALUATION REPORT

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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                        | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 521      | 7           | A/B   | 2SC-951-S    | SC / PZR STEAM SPACE SAMPLE CONTAINMENT ISOL SOLENOID | U2C      | 21         | AREA 11  |
| 522      | 7           | A/B   | 2SC-953      | SC / PZR LIQUID SPACE SAMPLE CONTAINMENT ISOLATION    | U2C      | 21         | AREA 11  |
| 523      | 7           | A/B   | 2SC-953-S    | SC / PZR LIQUID SPACE SAMPLE CONTAINMENT ISOL SOL     | U2C      | 21         | AREA 11  |
| 524      | 7           | A/B   | 2SC-955      | SC / RC HOT LEG SAMPLE ISOLATION                      | U2C      | 10         | AREA 11  |
| 525      | 7           | A/B   | 2SC-955-S    | SC / RC HOT LEG SAMPLE ISOLATION SOLENOID             | U2C      | 10         | AREA 11  |
| 526      | 7           | A/B   | 2SC-959      | SC / RHR LOOP SAMPLE ISOLATION                        | PAB      | 8          | AREA 5   |
| 527      | 7           | A/B   | 2SC-959-S    | SC / RHR LOOP SAMPLE ISOLATION SOLENOID               | PAB      | 8          | AREA 5   |
| 528      | 7           | A/B   | 2SC-966C     | SC / RC HOT LEG SAMPLE                                | PAB      | 8          | AREA 6   |
| 529      | 7           | A/B   | 2SC-966C-S   | SC / RC HOT LEG SAMPLE SOLENOID                       | PAB      | 8          | AREA 6   |
| 530      | 5           | A     | 1P-15A       | SI / SAFETY INJECTION PUMP                            | PAB      | 8          | AREA 5   |
| 531      | 5           | A     | 1P-15A-M     | SI / SAFETY INJECTION PUMP MOTOR                      | PAB      | 8          | AREA 5   |
| 532      | 5           | B     | 1P-15B       | SI / SAFETY INJECTION PUMP                            | PAB      | 8          | AREA 5   |
| 533      | 5           | B     | 1P-15B-M     | SI / SAFETY INJECTION PUMP MOTOR                      | PAB      | 8          | AREA 5   |
| 534      | 8           | A/B   | 1SI-825A     | SI / T-13 RWST OUTLET TO P-15A/B SI PUMP              | PAB      | 8          | AREA 5   |
| 535      | 8           | A/B   | 1SI-825A-M   | SI / T-13 RWST OUTLET TO P-15A/B SI PUMP MOTOR        | PAB      | 8          | AREA 5   |
| 536      | 8           | A/B   | 1SI-825B     | SI / T-13 RWST OUTLET TO P-15A/B SI PUMP              | PAB      | 8          | AREA 5   |
| 537      | 8           | A/B   | 1SI-825B-M   | SI / T-13 RWST OUTLET TO P-15A/B SI PUMP MOTOR        | PAB      | 8          | AREA 5   |
| 538      | 8           | A/B   | 1SI-826A     | SI / P-15A/B SI PUMP SUCTION FROM BAST SERIES ISOL    | PAB      | 8          | AREA 5   |
| 539      | 8           | A/B   | 1SI-826A-M   | SI / P-15A/B SI PUMP SUCT FROM BAST SERIES ISOL MOTOR | PAB      | 8          | AREA 5   |
| 540      | 8           | A/B   | 1SI-826B     | SI / P-15A/B SI PUMP SUCTION FROM BAST PARALLEL ISOL  | PAB      | 8          | AREA 5   |
| 541      | 8           | A/B   | 1SI-826B-M   | SI / P-15A/B SI PMP SUCT FROM BAST PARALLEL ISOL MTR  | PAB      | 8          | AREA 5   |
| 542      | 8           | A/B   | 1SI-826C     | SI / P-15A/B SI PUMP SUCTION FROM BAST PARALLEL ISOL  | PAB      | 8          | AREA 5   |
| 543      | 8           | A/B   | 1SI-826C-M   | SI / P-15A/B SI PMP SUCT FROM BAST PARALLEL ISOL MTR  | PAB      | 8          | AREA 5   |
| 544      | 7           | A     | 1SI-835A     | SI / T-34A SI ACCUMULATOR FILL FROM COLD LEG SI       | U1C      | 21         | AREA 7   |
| 545      | 7           | A     | 1SI-835A-S   | SI / T-34A SI ACCUMULATOR FILL FROM COLD LEG SI SOL   | U1C      | 21         | AREA 7   |
| 546      | 7           | B     | 1SI-835B     | SI / T-34B SI ACCUMULATOR FILL FROM COLD LEG SI       | U1C      | 21         | AREA 7   |
| 547      | 7           | B     | 1SI-835B-S   | SI / T-34B SI ACCUMULATOR FILL FROM COLD LEG SI SOL   | U1C      | 21         | AREA 7   |

Prepared by:

*Timothy J. Dykstra*  
Timothy J. Dykstra

12/29/95 / Date

Checked by:

*John A. Hinck*  
John A. Hinck

1/8/96 / Date





RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                        | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 548      | 7           | A/B   | 1SI-839A     | SI / T-34A SI ACCUM OUTLET TO SI TEST LINE ISOLATION  | U1C      | 21         | AREA 7   |
| 549      | 7           | A/B   | 1SI-839A-S   | SI / T-34A SI ACCUM OUTLET TO SI TEST LINE ISOL SOL   | U1C      | 21         | AREA 7   |
| 550      | 7           | A/B   | 1SI-839B     | SI / SI A COLD LEG TO SI TEST LINE ISOLATION          | U1C      | 21         | AREA 7   |
| 551      | 7           | A/B   | 1SI-839B-S   | SI / SI A COLD LEG TO SI TEST LINE ISOLATION SOLENOID | U1C      | 21         | AREA 7   |
| 552      | 7           | A/B   | 1SI-839C     | SI / T-34B SI ACCUM OUTLET TO SI TEST LINE ISOLATION  | U1C      | 21         | AREA 7   |
| 553      | 7           | A/B   | 1SI-839C-S   | SI / T-34B SI ACCUM OUTLET TO SI TEST LINE ISOL SOL   | U1C      | 21         | AREA 7   |
| 554      | 7           | A/B   | 1SI-839D     | SI / SI B COLD LEG TO SI TEST LINE ISOLATION          | U1C      | 21         | AREA 7   |
| 555      | 7           | A/B   | 1SI-839D-S   | SI / SI B COLD LEG TO SI TEST LINE ISOLATION SOLENOID | U1C      | 21         | AREA 7   |
| 556      | 8           | A/B   | 1SI-851A     | SI / P-10A RHR PUMP SUCTION FROM CONTAINMENT SUMP B   | PAB      | -5         | AREA 8   |
| 557      | 8           | A/B   | 1SI-851A-M   | SI / P-10A RHR PUMP SUCTION FROM CONT SUMP B MOTOR    | PAB      | -5         | AREA 8   |
| 558      | 8           | A/B   | 1SI-851B     | SI / P-10B RHR PUMP SUCTION FROM CONTAINMENT SUMP B   | PAB      | -5         | AREA 8   |
| 559      | 8           | A/B   | 1SI-851B-M   | SI / P-10B RHR PUMP SUCTION FROM CONT SUMP B MOTOR    | PAB      | -5         | AREA 8   |
| 560      | 8           | A     | 1SI-852A     | SI / LOW HEAD SI CORE DELUGE ISOLATION                | U1C      | 46         | AREA 7   |
| 561      | 8           | A     | 1SI-852A-M   | SI / LOW HEAD SI CORE DELUGE ISOLATION MOTOR          | U1C      | 46         | AREA 7   |
| 562      | 8           | B     | 1SI-852B     | SI / LOW HEAD SI CORE DELUGE ISOLATION                | U1C      | 21         | AREA 7   |
| 563      | 8           | B     | 1SI-852B-M   | SI / LOW HEAD SI CORE DELUGE ISOLATION MOTOR          | U1C      | 21         | AREA 7   |
| 564      | 8           | A/B   | 1SI-860A     | SI / P-14A CONT SPRAY PUMP DISCHARGE REDUNDANT ISOL   | PAB      | 8          | AREA 5   |
| 565      | 8           | A/B   | 1SI-860A-M   | SI / P-14A CONT SPRAY PUMP DISCH REDUNDANT ISOL MOTOR | PAB      | 8          | AREA 5   |
| 566      | 8           | A/B   | 1SI-860B     | SI / P-14A CONT SPRAY PUMP DISCHARGE REDUNDANT ISOL   | PAB      | 8          | AREA 5   |
| 567      | 8           | A/B   | 1SI-860B-M   | SI / P-14A CONT SPRAY PUMP DISCH REDUNDANT ISOL MOTOR | PAB      | 8          | AREA 5   |
| 568      | 8           | A/B   | 1SI-860C     | SI / P-14B CONT SPRAY PUMP DISCHARGE REDUNDANT ISOL   | PAB      | 8          | AREA 5   |
| 569      | 8           | A/B   | 1SI-860C-M   | SI / P-14B CONT SPRAY PUMP DISCH REDUNDANT ISOL MOTOR | PAB      | 8          | AREA 5   |
| 570      | 8           | A/B   | 1SI-860D     | SI / P-14B CONT SPRAY PUMP DISCHARGE REDUNDANT ISOL   | PAB      | 8          | AREA 5   |
| 571      | 8           | A/B   | 1SI-860D-M   | SI / P-14B CONT SPRAY PUMP DISCH REDUNDANT ISOL MOTOR | PAB      | 8          | AREA 5   |
| 572      | 8           | A     | 1SI-866A     | SI / COLD LEG INJECTION LINE ISOLATION                | PAB      | 8          | PIPE 1   |
| 573      | 8           | A     | 1SI-866A-M   | SI / COLD LEG INJECTION LINE ISOLATION MOTOR          | PAB      | 8          | PIPE 1   |
| 574      | 8           | B     | 1SI-866B     | SI / CORE DELUGE INJECTION LINE ISOLATION             | PAB      | 8          | PIPE 1   |

Prepared by: Timothy J. Dykstra 12/29/95 Checked by: John A. Hinck 1/3/96  
 Timothy J. Dykstra / Date John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                           | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|--|----------|------------|----------|
| 575      | 8           | B     | 1SI-866B-M   | SI / CORE DELUGE INJECTION LINE ISOLATION MOTOR          | PAB      | 8          | PIPE 1   |
| 576      | 8           | A     | 1SI-871A     | SI / P-14A CONT SPRAY PUMP SUCTION FROM HX-11A RHR HX    | PAB      | 8          | AREA 5   |
| 577      | 8           | A     | 1SI-871A-M   | SI / P-14A CONT SPRAY PUMP SUCTION FROM HX-11A MOTOR     | PAB      | 8          | AREA 5   |
| 578      | 8           | B     | 1SI-871B     | SI / P-14B CONT SPRAY PUMP SUCTION FROM HX-11B RHR HX    | PAB      | 8          | AREA 5   |
| 579      | 8           | B     | 1SI-871B-M   | SI / P-14B CONT SPRAY PUMP SUCTION FROM HX-11B MOTOR     | PAB      | 8          | AREA 5   |
| 580      | 8           | B     | 1SI-878A     | SI / P-15B SI PUMP R-1 REACTOR VESSEL INJECTION          | U1C      | 21         | AREA 7   |
| 581      | 8           | B     | 1SI-878A-M   | SI / P-15B SI PUMP R-1 REACTOR VESSEL INJECTION MOTOR    | U1C      | 21         | AREA 7   |
| 582      | 8           | A     | 1SI-878B     | SI / P-15A SI PUMP LOOP B INJECTION                      | U1C      | 21         | AREA 7   |
| 583      | 8           | A     | 1SI-878B-M   | SI / P-15A SI PUMP LOOP B INJECTION MOTOR                | U1C      | 21         | AREA 7   |
| 584      | 8           | B     | 1SI-878C     | SI / P-15B SI PUMP R-1 REACTOR VESSEL INJECTION          | U1C      | 21         | AREA 7   |
| 585      | 8           | B     | 1SI-878C-M   | SI / P-15B SI PUMP R-1 REACTOR VESSEL INJECTION MOTOR    | U1C      | 21         | AREA 7   |
| 586      | 8           | A     | 1SI-878D     | SI / P-15A SI PUMP LOOP A INJECTION                      | U1C      | 21         | AREA 7   |
| 587      | 8           | A     | 1SI-878D-M   | SI / P-15A SI PUMP LOOP A INJECTION MOTOR                | U1C      | 21         | AREA 7   |
| 588      | 8           | A     | 1SI-896A     | SI / P-15A SI PUMP SUCTION                               | PAB      | 8          | AREA 5   |
| 589      | 8           | A     | 1SI-896A-M   | SI / P-15A SI PUMP SUCTION MOTOR                         | PAB      | 8          | AREA 5   |
| 590      | 8           | B     | 1SI-896B     | SI / P-15B SI PUMP SUCTION                               | PAB      | 8          | AREA 5   |
| 591      | 8           | B     | 1SI-896B-M   | SI / P-15B SI PUMP SUCTION MOTOR                         | PAB      | 8          | AREA 5   |
| 592      | 5           | A     | 2P-15A       | SI / SAFETY INJECTION PUMP                               | PAB      | 8          | AREA 5   |
| 593      | 5           | A     | 2P-15A-M     | SI / SAFETY INJECTION PUMP MOTOR                         | PAB      | 8          | AREA 5   |
| 594      | 5           | B     | 2P-15B       | SI / SAFETY INJECTION PUMP                               | PAB      | 8          | AREA 5   |
| 595      | 5           | B     | 2P-15B-M     | SI / SAFETY INJECTION PUMP MOTOR                         | PAB      | 8          | AREA 5   |
| 596      | 8           | A/B   | 2SI-825A     | SI / T-13 RWST OUTLET TO P-15A/B SI PUMP                 | PAB      | 8          | AREA 5   |
| 597      | 8           | A/B   | 2SI-825A-M   | SI / T-13 RWST OUTLET TO P-15A/B SI PUMP MOTOR           | PAB      | 8          | AREA 5   |
| 598      | 8           | A/B   | 2SI-825B     | SI / T-13 RWST OUTLET TO P-15A/B SI PUMP                 | PAB      | 8          | AREA 5   |
| 599      | 8           | A/B   | 2SI-825B-M   | SI / T-13 RWST OUTLET TO P-15A/B SI PUMP MOTOR           | PAB      | 8          | AREA 5   |
| 600      | 8           | A/B   | 2SI-826A     | SI / P-15A/B SI PUMP SUCTION FROM BAST SERIES ISOL       | PAB      | 8          | AREA 5   |
| 601      | 8           | A/B   | 2SI-826A-M   | SI / P-15A/B SI PUMP SUCTION FROM BAST SERIES ISOL MOTOR | PAB      | 8          | AREA 5   |

Prepared by: Timothy J. Dykstra 12/23/95  
 Timothy J. Dykstra / Date

Checked by: John A. Hinck 1/8/96  
 John A. Hinck / Date



RELAY EVALUATION REPORT

RELAY REVIEW SSEL

| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                        | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 602      | 8           | A/B   | 2SI-826B     | SI / P-15A/B SI PUMP SUCTION FROM BAST PARALLEL ISOL  | PAB      | 8          | AREA 5   |
| 603      | 8           | A/B   | 2SI-826B-M   | SI / P-15A/B SI PMP SUCT FROM BAST PARALLEL ISOL MTR  | PAB      | 8          | AREA 5   |
| 604      | 8           | A/B   | 2SI-826C     | SI / P-15A/B SI PUMP SUCTION FROM BAST PARALLEL ISOL  | PAB      | 8          | AREA 5   |
| 605      | 8           | A/B   | 2SI-826C-M   | SI / P-15A/B SI PMP SUCT FROM BAST PARALLEL ISOL MTR  | PAB      | 8          | AREA 5   |
| 606      | 7           | A     | 2SI-835A     | SI / T-34A SI ACCUMULATOR FILL FROM COLD LEG SI       | U2C      | 21         | AREA 11  |
| 607      | 7           | A     | 2SI-835A-S   | SI / T-34A SI ACCUMULATOR FILL FROM COLD LEG SI SOL   | U2C      | 21         | AREA 11  |
| 608      | 7           | B     | 2SI-835B     | SI / T-34B SI ACCUMULATOR FILL FROM COLD LEG SI       | U2C      | 21         | AREA 11  |
| 609      | 7           | B     | 2SI-835B-S   | SI / T-34B SI ACCUMULATOR FILL FROM COLD LEG SI SOL   | U2C      | 21         | AREA 11  |
| 610      | 7           | A/B   | 2SI-839A     | SI / T-34A SI ACCUM OUTLET TO SI TEST LINE ISOLATION  | U2C      | 21         | AREA 11  |
| 611      | 7           | A/B   | 2SI-839A-S   | SI / T-34A SI ACCUM OUTLET TO SI TEST LINE ISOL SOL   | U2C      | 21         | AREA 11  |
| 612      | 7           | A/B   | 2SI-839B     | SI / SI A COLD LEG TO SI TEST LINE ISOLATION          | U2C      | 21         | AREA 11  |
| 613      | 7           | A/B   | 2SI-839B-S   | SI / SI A COLD LEG TO SI TEST LINE ISOLATION SOLENOID | U2C      | 21         | AREA 11  |
| 614      | 7           | A/B   | 2SI-839C     | SI / T-34B SI ACCUM OUTLET TO SI TEST LINE ISOLATION  | U2C      | 21         | AREA 11  |
| 615      | 7           | A/B   | 2SI-839C-S   | SI / T-34B SI ACCUM OUTLET TO SI TEST LINE ISOL SOL   | U2C      | 21         | AREA 11  |
| 616      | 7           | A/B   | 2SI-839D     | SI / SI B COLD LEG TO SI TEST LINE ISOLATION          | U2C      | 21         | AREA 11  |
| 617      | 7           | A/B   | 2SI-839D-S   | SI / SI B COLD LEG TO SI TEST LINE ISOLATION SOLENOID | U2C      | 21         | AREA 11  |
| 618      | 8           | A/B   | 2SI-851A     | SI / P-10A RHR PUMP SUCTION FROM CONTAINMENT SUMP B   | PAB      | -5         | AREA 8   |
| 619      | 8           | A/B   | 2SI-851A-M   | SI / P-10A RHR PUMP SUCTION FROM CONT SUMP B MOTOR    | PAB      | -5         | AREA 8   |
| 620      | 8           | A/B   | 2SI-851B     | SI / P-10B RHR PUMP SUCTION FROM CONTAINMENT SUMP B   | PAB      | -5         | AREA 8   |
| 621      | 8           | A/B   | 2SI-851B-M   | SI / P-10B RHR PUMP SUCTION FROM CONT SUMP B MOTOR    | PAB      | -5         | AREA 8   |
| 622      | 8           | A     | 2SI-852A     | SI / LOW HEAD SI CORE DELUGE ISOLATION                | U2C      | 46         | AREA 11  |
| 623      | 8           | A     | 2SI-852A-M   | SI / LOW HEAD SI CORE DELUGE ISOLATION MOTOR          | U2C      | 46         | AREA 11  |
| 624      | 8           | B     | 2SI-852B     | SI / LOW HEAD SI CORE DELUGE ISOLATION                | U2C      | 21         | AREA 11  |
| 625      | 8           | B     | 2SI-852B-M   | SI / LOW HEAD SI CORE DELUGE ISOLATION MOTOR          | U2C      | 21         | AREA 11  |
| 626      | 8           | A/B   | 2SI-860A     | SI / P-14A CONT SPRAY PUMP DISCHARGE REDUNDANT ISOL   | PAB      | 8          | AREA 5   |
| 627      | 8           | A/B   | 2SI-860A-M   | SI / P-14A CONT SPRAY PUMP DISCH REDUNDANT ISOL MOTOR | PAB      | 8          | AREA 5   |
| 628      | 8           | A/B   | 2SI-860B     | SI / P-14A CONT SPRAY PUMP DISCHARGE REDUNDANT ISOL   | PAB      | 8          | AREA 5   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/3/96 / Date  
 John A. Hinck / Date



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| Line No. | Equip Class | Train | Equipment ID | System / Equipment Description                        | Building | Floor Elev | Location |
|----------|-------------|-------|--------------|---|----------|------------|----------|
| 629      | 8           | A/B   | 2SI-860B-M   | SI / P-14A CONT SPRAY PUMP DISCH REDUNDANT ISOL MOTOR | PAB      | 8          | AREA 5   |
| 630      | 8           | A/B   | 2SI-860C     | SI / P-14B CONT SPRAY PUMP DISCHARGE REDUNDANT ISOL   | PAB      | 8          | AREA 5   |
| 631      | 8           | A/B   | 2SI-860C-M   | SI / P-14B CONT SPRAY PUMP DISCH REDUNDANT ISOL MOTOR | PAB      | 8          | AREA 5   |
| 632      | 8           | A/B   | 2SI-860D     | SI / P-14B CONT SPRAY PUMP DISCHARGE REDUNDANT ISOL   | PAB      | 8          | AREA 5   |
| 633      | 8           | A/B   | 2SI-860D-M   | SI / P-14B CONT SPRAY PUMP DISCH REDUNDANT ISOL MOTOR | PAB      | 8          | AREA 5   |
| 634      | 8           | A     | 2SI-866A     | SI / COLD LEG INJECTION LINE ISOLATION                | PAB      | 8          | PIPE 4   |
| 635      | 8           | A     | 2SI-866A-M   | SI / COLD LEG INJECTION LINE ISOLATION MOTOR          | PAB      | 8          | PIPE 4   |
| 636      | 8           | B     | 2SI-866B     | SI / CORE DELUGE INJECTION LINE ISOLATION             | PAB      | 8          | PIPE 4   |
| 637      | 8           | B     | 2SI-866B-M   | SI / CORE DELUGE INJECTION LINE ISOLATION MOTOR       | PAB      | 8          | PIPE 4   |
| 638      | 8           | A     | 2SI-871A     | SI / P-14A CONT SPRAY PUMP SUCTION FROM HX-11A RHR HX | PAB      | 8          | AREA 5   |
| 639      | 8           | A     | 2SI-871A-M   | SI / P-14A CONT SPRAY PUMP SUCTION FROM HX-11A MOTOR  | PAB      | 8          | AREA 5   |
| 640      | 8           | B     | 2SI-871B     | SI / P-14B CONT SPRAY PUMP SUCTION FROM HX-11B RHR HX | PAB      | 8          | AREA 5   |
| 641      | 8           | B     | 2SI-871B-M   | SI / P-14B CONT SPRAY PUMP SUCTION FROM HX-11B MOTOR  | PAB      | 8          | AREA 5   |
| 642      | 8           | B     | 2SI-878A     | SI / P-15B SI PUMP R-1 REACTOR VESSEL INJECTION       | U2C      | 21         | AREA 11  |
| 643      | 8           | B     | 2SI-878A-M   | SI / P-15B SI PUMP R-1 REACTOR VESSEL INJECTION MOTOR | U2C      | 21         | AREA 11  |
| 644      | 8           | A     | 2SI-878B     | SI / P-15A SI PUMP LOOP B INJECTION                   | U2C      | 21         | AREA 11  |
| 645      | 8           | A     | 2SI-878B-M   | SI / P-15A SI PUMP LOOP B INJECTION MOTOR             | U2C      | 21         | AREA 11  |
| 646      | 8           | B     | 2SI-878C     | SI / P-15B SI PUMP R-1 REACTOR VESSEL INJECTION       | U2C      | 21         | AREA 11  |
| 647      | 8           | B     | 2SI-878C-M   | SI / P-15B SI PUMP R-1 REACTOR VESSEL INJECTION MOTOR | U2C      | 21         | AREA 11  |
| 648      | 8           | A     | 2SI-878D     | SI / P-15A SI PUMP LOOP A INJECTION                   | U2C      | 21         | AREA 11  |
| 649      | 8           | A     | 2SI-878D-M   | SI / P-15A SI PUMP LOOP A INJECTION MOTOR             | U2C      | 21         | AREA 11  |
| 650      | 8           | A     | 2SI-896A     | SI / P-15A SI PUMP SUCTION                            | PAB      | 8          | AREA 5   |
| 651      | 8           | A     | 2SI-896A-M   | SI / P-15A SI PUMP SUCTION MOTOR                      | PAB      | 8          | AREA 5   |
| 652      | 8           | B     | 2SI-896B     | SI / P-15B SI PUMP SUCTION                            | PAB      | 8          | AREA 5   |
| 653      | 8           | B     | 2SI-896B-M   | SI / P-15B SI PUMP SUCTION MOTOR                      | PAB      | 8          | AREA 5   |
| 654      | 6           | A     | P-32A        | SW / SERVICE WATER PUMP                               | CWPH     | 8          |          |
| 655      | 6           | A     | P-32A-M      | SW / SERVICE WATER PUMP MOTOR                         | CWPH     | 8          |          |

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 Timothy J. Dykstra / Date  
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|----------|-------------|-------|--------------|--|----------|------------|----------|
| 656      | 6           | A     | P-32B        | SW / SERVICE WATER PUMP                              | CWPH     | 8          |          |
| 657      | 6           | A     | P-32B-M      | SW / SERVICE WATER PUMP MOTOR                        | CWPH     | 8          |          |
| 658      | 6           | B     | P-32C        | SW / SERVICE WATER PUMP                              | CWPH     | 8          |          |
| 659      | 6           | B     | P-32C-M      | SW / SERVICE WATER PUMP MOTOR                        | CWPH     | 8          |          |
| 660      | 6           | B     | P-32D        | SW / SERVICE WATER PUMP                              | CWPH     | 8          |          |
| 661      | 6           | B     | P-32D-M      | SW / SERVICE WATER PUMP MOTOR                        | CWPH     | 8          |          |
| 662      | 6           | B     | P-32E        | SW / SERVICE WATER PUMP                              | CWPH     | 8          |          |
| 663      | 6           | B     | P-32E-M      | SW / SERVICE WATER PUMP MOTOR                        | CWPH     | 8          |          |
| 664      | 6           | A     | P-32F        | SW / SERVICE WATER PUMP                              | CWPH     | 8          |          |
| 665      | 6           | A     | P-32F-M      | SW / SERVICE WATER PUMP MOTOR                        | CWPH     | 8          |          |
| 666      | 8           | A/B   | SW-2816      | SW / HX-28A SSB AC CHILLER INLET                     | PAB      | 26         | AREA 5   |
| 667      | 8           | A/B   | SW-2816-M    | SW / HX-28A SSB AC CHILLER INLET MOTOR               | PAB      | 26         | AREA 5   |
| 668      | 8           | A/B   | SW-2817      | SW / HX-79 WT AREA CLG COIL INLET                    | CB       | 8          | AREA 3   |
| 669      | 8           | A/B   | SW-2817-M    | SW / HX-79 WT AREA CLG COIL INLET MOTOR              | CB       | 8          | AREA 3   |
| 670      | 7           | B     | SW-2838      | SW / HX-55B1/B2 COOLANT HX OUTLET CONTROL            | CB       | 8          | AREA 3   |
| 671      | 7           | B     | SW-2838-S    | SW / HX-55B1/B2 COOLANT HX OUTLET CONTROL SOLENOID   | CB       | 8          | AREA 3   |
| 672      | 7           | A     | SW-2839      | SW / HX-55A1/A2 COOLANT HX OUTLET CONTROL            | CB       | 8          | AREA 3   |
| 673      | 7           | A     | SW-2839-S    | SW / HX-55A1/A2 COOLANT HX OUTLET CONTROL SOLENOID   | CB       | 8          | AREA 3   |
| 674      | 8           | A/B   | SW-2869      | SW / NORTH HEADER TO WEST HEADER                     | PAB      | 26         | AREA 5   |
| 675      | 8           | A/B   | SW-2869-M    | SW / NORTH HEADER TO WEST HEADER MOTOR               | PAB      | 26         | AREA 5   |
| 676      | 8           | A/B   | SW-2870      | SW / SOUTH HEADER TO WEST HEADER                     | PAB      | 26         | AREA 5   |
| 677      | 8           | A/B   | SW-2870-M    | SW / SOUTH HEADER TO WEST HEADER MOTOR               | PAB      | 26         | AREA 5   |
| 678      | 8           | A/B   | SW-2890      | SW / NORTH HEADER TO SOUTH HEADER CROSSCONNECT       | CWPH     | 8          |          |
| 679      | 8           | A/B   | SW-2890-M    | SW / NORTH HEADER TO SOUTH HEADER CROSSCONNECT MOTOR | CWPH     | 8          |          |
| 680      | 8           | A/B   | SW-2891      | SW / SOUTH HEADER TO NORTH HEADER CROSSCONNECT       | CWPH     | 8          |          |
| 681      | 8           | A/B   | SW-2891-M    | SW / SOUTH HEADER TO NORTH HEADER CROSSCONNECT MOTOR | CWPH     | 8          |          |
| 682      | 7           | A/B   | SW-LW-61     | SW / 1HX-150/2HX-150/HX-142/143 INLET TEMP CONTROL   | PAB      | 26         | AREA 5   |

Prepared by: Timothy J. Dykstra 12/29/95 Checked by: John A. Hinck 1/8/96  
 Timothy J. Dykstra / Date John A. Hinck / Date



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|----------|-------------|-------|--------------|---|----------|------------|----------|
| 683      | 7           | A/B   | SW-LW-61-S   | SW / 1HX-150/2HX-150/HX-142/143 INLET TEMP CTL SOL  | PAB      | 26         | AREA 5   |
| 684      | 7           | A/B   | SW-LW-62     | SW / 1HX-150/2HX-150/HX-142/143 OUTLET TEMP CONTROL | PAB      | 26         | AREA 5   |
| 685      | 7           | A/B   | SW-LW-62-S   | SW / 1HX-150/2HX-150/HX-142/143 OUTLET TEMP CTL SOL | PAB      | 26         | AREA 5   |
| 686      | 8           | A/B   | 1SW-2880     | SW / TURBINE BLDG COOLER SERVICE WATER INLET        | CB       | 8          | AREA 3   |
| 687      | 8           | A/B   | 1SW-2880-M   | SW / TURBINE BLDG COOLER SERVICE WATER INLET MOTOR  | CB       | 8          | AREA 3   |
| 688      | 8           | A/B   | 1SW-2907     | SW / HX-15A-D CONT RECIRC HX EMERGENCY FCV          | PAB      | 26         | AREA 5   |
| 689      | 8           | A/B   | 1SW-2907-M   | SW / HX-15A-D CONT RECIRC HX EMERGENCY FCV MOTOR    | PAB      | 26         | AREA 5   |
| 690      | 8           | A/B   | 1SW-2908     | SW / HX-15A-D CONT RECIRC HX EMERGENCY FCV          | PAB      | 26         | AREA 5   |
| 691      | 8           | A/B   | 1SW-2908-M   | SW / HX-15A-D CONT RECIRC HX EMERGENCY FCV MOTOR    | PAB      | 26         | AREA 5   |
| 692      | 8           | A/B   | 2SW-2880     | SW / TURBINE BLDG COOLER SERVICE WATER INLET        | CB       | 8          | AREA 3   |
| 693      | 8           | A/B   | 2SW-2880-M   | SW / TURBINE BLDG COOLER SERVICE WATER INLET MOTOR  | CB       | 8          | AREA 3   |
| 694      | 8           | A/B   | 2SW-2907     | SW / HX-15A-D CONT RECIRC HX EMERGENCY FCV          | PAB      | 26         | AREA 5   |
| 695      | 8           | A/B   | 2SW-2907-M   | SW / HX-15A-D CONT RECIRC HX EMERGENCY FCV MOTOR    | PAB      | 26         | AREA 5   |
| 696      | 8           | A/B   | 2SW-2908     | SW / HX-15A-D CONT RECIRC HX EMERGENCY FCV          | PAB      | 26         | AREA 5   |
| 697      | 8           | A/B   | 2SW-2908-M   | SW / HX-15A-D CONT RECIRC HX EMERGENCY FCV MOTOR    | PAB      | 26         | AREA 5   |
| 698      | 10          | A     | W-85         | VNBI / PAB BATTERY AND INVERTER ROOM VENT FAN       | PAB      | 35         | AREA 6   |
| 699      | 10          | A     | W-85-M       | VNBI / PAB BATTERY AND INVERTER ROOM VENT FAN MOTOR | PAB      | 35         | AREA 6   |
| 700      | 10          | B     | W-86         | VNBI / PAB BATTERY AND INVERTER ROOM VENT FAN       | PAB      | 35         | AREA 6   |
| 701      | 10          | B     | W-86-M       | VNBI / PAB BATTERY AND INVERTER ROOM VENT FAN MOTOR | PAB      | 35         | AREA 6   |
| 702      | 10          | A/B   | 1W-1A1       | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN       | U1C      | 66         | AREA 7   |
| 703      | 10          | A/B   | 1W-1A1-M     | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN MOTOR | U1C      | 66         | AREA 7   |
| 704      | 10          | A/B   | 1W-1B1       | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN       | U1C      | 46         | AREA 7   |
| 705      | 10          | A/B   | 1W-1B1-M     | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN MOTOR | U1C      | 46         | AREA 7   |
| 706      | 10          | A/B   | 1W-1C1       | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN       | U1C      | 21         | AREA 7   |
| 707      | 10          | A/B   | 1W-1C1-M     | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN MOTOR | U1C      | 21         | AREA 7   |
| 708      | 10          | A/B   | 1W-1D1       | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN       | U1C      | 21         | AREA 7   |
| 709      | 10          | A/B   | 1W-1D1-M     | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN MOTOR | U1C      | 21         | AREA 7   |

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 Timothy J. Dykstra / Date  
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|----------|-------------|-------|--------------|--|----------|------------|----------|
| 710      | 10          | A/B   | 2W-1A1       | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN          | U2C      | 66         | AREA 11  |
| 711      | 10          | A/B   | 2W-1A1-M     | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN MOTOR    | U2C      | 66         | AREA 11  |
| 712      | 10          | A/B   | 2W-1B1       | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN          | U2C      | 66         | AREA 11  |
| 713      | 10          | A/B   | 2W-1B1-M     | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN MOTOR    | U2C      | 66         | AREA 11  |
| 714      | 10          | A/B   | 2W-1C1       | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN          | U2C      | 46         | AREA 11  |
| 715      | 10          | A/B   | 2W-1C1-M     | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN MOTOR    | U2C      | 46         | AREA 11  |
| 716      | 10          | A/B   | 2W-1D1       | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN          | U2C      | 21         | AREA 11  |
| 717      | 10          | A/B   | 2W-1D1-M     | VNCC / CONTAINMENT ACCIDENT RECIRCULATION FAN MOTOR    | U2C      | 21         | AREA 11  |
| 718      | 10          | A     | VNDG-4883    | VNDG / W-12A & B G-01 RM EXHAUST FANS FIRE CURTAIN     | CB       | 26         | AREA 3   |
| 719      | 10          | A     | VNDG-4883A-S | VNDG / W-12A G-01 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 720      | 10          | A     | VNDG-4883B-S | VNDG / W-12A G-01 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 721      | 10          | A     | VNDG-4883C-S | VNDG / W-12A G-01 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 722      | 10          | A     | VNDG-4883D-S | VNDG / W-12B G-01 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 723      | 10          | A     | VNDG-4883E-S | VNDG / W-12B G-01 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 724      | 10          | A     | VNDG-4883F-S | VNDG / W-12B G-01 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 725      | 10          | A     | VNDG-4883G-S | VNDG / W-12B G-01 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 726      | 10          | A     | VNDG-4883H-S | VNDG / W-12B G-01 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 727      | 10          | B     | VNDG-4884    | VNDG / W-12C & D G-01 RM EXHAUST FANS FIRE CURTAIN     | CB       | 26         | AREA 3   |
| 728      | 10          | B     | VNDG-4884A-S | VNDG / W-12C G-02 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 729      | 10          | B     | VNDG-4884B-S | VNDG / W-12C G-02 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 730      | 10          | B     | VNDG-4884C-S | VNDG / W-12C G-02 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 731      | 10          | B     | VNDG-4884D-S | VNDG / W-12C G-02 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 732      | 10          | B     | VNDG-4884E-S | VNDG / W-12D G-02 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 733      | 10          | B     | VNDG-4884F-S | VNDG / W-12D G-02 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 734      | 10          | B     | VNDG-4884G-S | VNDG / W-12D G-02 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 735      | 10          | B     | VNDG-4884H-S | VNDG / W-12D G-02 RM EXHAUST FAN FIRE CURTAIN SOLENOID | CB       | 26         | AREA 3   |
| 736      | 9           | A     | W-12A        | VNDG / G-01 ROOM EXHAUST FAN                           | CB       | 8          | AREA 3   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date  
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 John A. Hinck / Date



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|----------|-------------|-------|--------------|--|----------|------------|----------|
| 737      | 9           | A     | W-12A-M      | VNDG / G-01 ROOM EXHAUST FAN MOTOR                   | CB       | 8          | AREA 3   |
| 738      | 9           | A     | W-12B        | VNDG / G-01 ROOM EXHAUST FAN                         | CB       | 8          | AREA 3   |
| 739      | 9           | A     | W-12B-M      | VNDG / G-01 ROOM EXHAUST FAN MOTOR                   | CB       | 8          | AREA 3   |
| 740      | 9           | B     | W-12C        | VNDG / G-02 ROOM EXHAUST FAN                         | CB       | 8          | AREA 3   |
| 741      | 9           | B     | W-12C-M      | VNDG / G-02 ROOM EXHAUST FAN MOTOR                   | CB       | 8          | AREA 3   |
| 742      | 9           | B     | W-12D        | VNDG / G-02 ROOM EXHAUST FAN                         | CB       | 8          | AREA 3   |
| 743      | 9           | B     | W-12D-M      | VNDG / G-02 ROOM EXHAUST FAN MOTOR                   | CB       | 8          | AREA 3   |
| 744      | 14          | A     | 83/DY-0C     | Y / DY-0C WHITE Y-203 INVERTER STATIC TRANSFER SW    | PAB      | 26         | AREA 6   |
| 745      | 14          | B     | 83/DY-0D     | Y / DY-0D YELLOW Y-204 INVERTER STATIC TRANSFER SW   | PAB      | 26         | AREA 6   |
| 746      | 16          | A     | DY-0A        | Y / RED 125V DC/120V AC ALTERNATE INVERTER           | CB       | 26         | AREA 3   |
| 747      | 16          | B     | DY-0B        | Y / BLUE 125V DC/120V AC ALTERNATE INVERTER          | CB       | 26         | AREA 3   |
| 748      | 14          | A     | 1-83/DY-03   | Y / 1DY-03 WHITE 1Y-203 INVERTER STATIC TRANSFER SW  | PAB      | 26         | AREA 6   |
| 749      | 14          | B     | 1-83/DY-04   | Y / 1DY-04 YELLOW 1Y-204 INVERTER STATIC TRANSFER SW | PAB      | 26         | AREA 6   |
| 750      | 16          | A     | 1DY-01       | Y / RED 125V DC/120V AC INVERTER                     | CB       | 26         | AREA 3   |
| 751      | 16          | B     | 1DY-02       | Y / BLUE 125V DC/120V AC INVERTER                    | CB       | 26         | AREA 3   |
| 752      | 14          | A     | 2-83/DY-03   | Y / 2DY-03 WHITE 2Y-203 INVERTER STATIC TRANSFER SW  | PAB      | 26         | AREA 6   |
| 753      | 14          | B     | 2-83/DY-04   | Y / 2DY-04 YELLOW 2Y-204 INVERTER STATIC TRANSFER SW | PAB      | 26         | AREA 6   |
| 754      | 16          | A     | 2DY-01       | Y / RED 125V DC/120V AC INVERTER                     | CB       | 26         | AREA 3   |
| 755      | 16          | B     | 2DY-02       | Y / BLUE 125V DC/120V AC INVERTER                    | CB       | 26         | AREA 3   |

Prepared by: Timothy J. Dykstra 12/29/95 / Date  
 Timothy J. Dykstra / Date  
 Checked by: John A. Hinck 1/8/96 / Date  
 John A. Hinck / Date





RELAY EVALUATION REPORT

ASSOCIATED RELAY LIST

The Associated Relay List (ARL) on the following pages provides a listing of the relays associated with the PBNP safe shutdown equipment. The list is sorted by "System", then by "R-SSEL Component" and then by "Relay ID". This list provides the system and R-SSEL component that the relay is associated with, and then the relay make and model. The "location" field provides the location of the relay as indicated on the corresponding electrical schematic drawing. The "relay cabinet id" field provides the equipment identification number corresponding to the host component that was verified during the seismic walkdowns. The "screening code" field is the code used by the relay analyst to indicate the results of the functional screening. Some screening codes are followed by a number. This number corresponds to the note in Table B-2 at the end of this appendix. The different screening codes are:

- SS# seismic screening required - followed by a note # when required
- CA# chatter acceptable - followed by a note # when required
- SWGR switchgear "rule of the box" applies

The "screening" field provides screening status used by the seismic capability engineer to perform the seismic capacity screening.



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|    | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|----|--------|------------------|------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 1  | 125VDC | D-07             | 1B42-391   | CONTACTOR        | 1B42-391         | 1B39-1   | ELEM 550       | SS                         | Relay GERS or Specific Qualification |
| 2  | 125VDC | D-07             | 1SI-10X1   | ASEA RXMA1       | 2C-20            | 2C-20    | ELEM 1635      | SS                         | Relay GERS or Specific Qualification |
| 3  | 125VDC | D-07             | 27-AC/D-07 | W BF44           | D-07             | D-07     | BECH E-6 SH. 1 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 4  | 125VDC | D-07             | 27-DC/D-07 |                  | D-07             | D-07     | BECH E-6 SH. 1 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 5  | 125VDC | D-07             | 2SI-10X1   | ASEA RXMA1       | 2C-20            | 2C-20    | ELEM 1635      | SS                         | Relay GERS or Specific Qualification |
| 6  | 125VDC | D-07             | 42Y-1391   | SQD 8501 HO-33   | 1B42-391         | 1B42-391 | ELEM 550       | SS                         | Relay GERS or Specific Qualification |
| 7  | 125VDC | D-07             | 64/D-07    |                  | D-07             | D-07     | BECH E-6 SH. 1 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 8  | 125VDC | D-08             | 1SI-20X1   | ASEA RXMA1       | 2C-20            | 2C-20    | ELEM 1635      | SS                         | Relay GERS or Specific Qualification |
| 9  | 125VDC | D-08             | 27-AC/D-08 | W BF44           | D-08             | D-08     | BECH E-6 SH. 1 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 10 | 125VDC | D-08             | 27-DC/D-08 |                  | D-08             | D-08     | BECH E-6 SH. 1 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 11 | 125VDC | D-08             | 2B42-491   | CONTACTOR        | 2B42-491         | 2B49-1   | ELEM 553       | SS                         | Relay GERS or Specific Qualification |
| 12 | 125VDC | D-08             | 2SI-20X1   | ASEA RXMA1       | 2C-20            | 2C-20    | ELEM 1635      | SS                         | Relay GERS or Specific Qualification |
| 13 | 125VDC | D-08             | 42Y-2491   | SQD 8501 HO-33   | 2B42-491         | 2B42-491 | ELEM 553       | SS                         | Relay GERS or Specific Qualification |
| 14 | 125VDC | D-08             | 64/D-08    |                  | D-08             | D-08     | BECH E-6 SH. 1 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 15 | 125VDC | D-09             | 1B42-491   | CONTACTOR        | 1B42-491         | 1B49-1   | ELEM 552       | SS                         | Relay GERS or Specific Qualification |
| 16 | 125VDC | D-09             | 27-AC/D-09 | W BF44           | D-09             | D-09     | BECH E-6 SH.3  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 17 | 125VDC | D-09             | 27-DC/D-09 |                  | D-09             | D-09     | BECH E-6 SH.3  | CA4                        | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|    | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION# | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|----|--------|------------------|-------------|------------------|------------------|-----------|---------------|----------------------------|--------------------------------------|
| 18 | 125VDC | D-09             | 2B42-391    | CONTACTOR        | 2B42-391         | 2B39-1    | ELEM 551      | SS                         | Relay GERS or Specific Qualification |
| 19 | 125VDC | D-09             | 42X-1491    | ASEA RXMA1       | 2C-20            | 2C-20     | ELEM 552      | SS                         | Relay GERS or Specific Qualification |
| 20 | 125VDC | D-09             | 42X-2391    | ASEA RXMA1       | 2C-20            | 2C-20     | ELEM 551      | SS                         | Relay GERS or Specific Qualification |
| 21 | 125VDC | D-09             | 42Y-1491    | SQD 8501 HO-33   | 1B42-491         | 1B42-491  | ELEM 552      | SS                         | Relay GERS or Specific Qualification |
| 22 | 125VDC | D-09             | 42Y-2391    | SQD 8501 HO-33   | 2B42-391         | 2B42-391  | ELEM 551      | SS                         | Relay GERS or Specific Qualification |
| 23 | 125VDC | D-09             | 64/D-09     |                  | D-09             | D-09      | BECH E-6 SH.3 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 24 | 125VDC | D-107            | 27-AC/D-107 |                  | D-107            | D-107     | BECH E-6 SH.2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 25 | 125VDC | D-107            | 27-DC/D-107 |                  | D-107            | D-107     | BECH E-6 SH.2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 26 | 125VDC | D-107            | 2B42-394    | CONTACTOR        | 2B42-394         | 2B39-4    | ELEM 554      | SS                         | Relay GERS or Specific Qualification |
| 27 | 125VDC | D-107            | 42Y-2394    | SQD 8501 HO-33   | 2B42-394         | 2B42-394  | ELEM 554      | SS                         | Relay GERS or Specific Qualification |
| 28 | 125VDC | D-107            | 59-DC/D-107 |                  | D-107            | D-107     | BECH E-6 SH.2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 29 | 125VDC | D-107            | 64/D-107    |                  | D-107            | D-107     | BECH E-6 SH.2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 30 | 125VDC | D-108            | 1B42-494    | CONTACTOR        | 1B42-494         | 1B49-4    | ELEM 1635     | SS                         | Relay GERS or Specific Qualification |
| 31 | 125VDC | D-108            | 27-AC/D-108 |                  | D-108            | D-108     | BECH E-6 SH.2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 32 | 125VDC | D-108            | 27-DC/D-108 |                  | D-108            | D-108     | BECH E-6 SH.2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 33 | 125VDC | D-108            | 42Y-1494    | SQD 8501 HO-33   | 1B42-494         | 1B42-494  | ELEM 1635     | SS                         | Relay GERS or Specific Qualification |
| 34 | 125VDC | D-108            | 59-DC/D-108 |                  | D-108            | D-108     | BECH E-6 SH.2 | CA4                        | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|    | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL                      | RELAY CABINET ID | LOCATION   | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|----|--------|------------------|-------------|---------------------------------------|------------------|------------|----------------|----------------------------|--------------------------------------|
| 35 | 125VDC | D-108            | 64/D-108    |                                       | D-108            | D-108      | BECH E-6 SH. 2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 36 | 125VDC | D-109            | 1B42-3212H  | CONTACTOR                             | 1B42-3212H       | 1B42-3212H | ELEM 555       | SS                         | Relay GERS or Specific Qualification |
| 37 | 125VDC | D-109            | 27-AC/D-109 |                                       | D-109            | D-109      | BECH E-6 SH. 2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 38 | 125VDC | D-109            | 27-DC/D-109 |                                       | D-109            | D-109      | BECH E-6 SH. 2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 39 | 125VDC | D-109            | 2B42-4212B  | CONTACTOR                             | 2B42-4212B       | 2B42-4212B | ELEM 556       | SS                         | Relay GERS or Specific Qualification |
| 40 | 125VDC | D-109            | 42X-13212H  | ASEA RXMA1                            | 2C-20            | 2C-20      | ELEM 555       | SS                         | Relay GERS or Specific Qualification |
| 41 | 125VDC | D-109            | 42X-24212B  | ASEA RXMA1                            | 2C-20            | 2C-20      | ELEM 556       | SS                         | Relay GERS or Specific Qualification |
| 42 | 125VDC | D-109            | 42Y-13212H  | SQD 8501 HO-33                        | 1B-32            | 1B32-12H   | ELEM 555       | SS                         | Relay GERS or Specific Qualification |
| 43 | 125VDC | D-109            | 42Y-24212B  | SQD 8501 HO-33                        | 2B-42            | 2B42-12B   | ELEM 556       | SS                         | Relay GERS or Specific Qualification |
| 44 | 125VDC | D-109            | 59-DC/D-109 |                                       | D-109            | D-109      | BECH E-6 SH.2  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 45 | 125VDC | D-109            | 64/D-109    |                                       | D-109            | D-109      | BECH E-6 SH. 2 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 46 | 4160V  | 1A-05            | 1-74/A05FM  | LINE ELEC. AGH1D                      | 1A-05            | 1A-05      | ELEM 268       | CA4                        | Circuit/Relay Malfunction Acceptable |
| 47 | 4160V  | 1A-05            | 1-86/A05    | ELECTROSWITCH SERIES 24 CATALOG 7807D | 1A-05            | 1A-05      | ELEM 268       | SS                         | Relay GERS or Specific Qualification |
| 48 | 4160V  | 1A-05            | 1-86X/A05   | W SG (DE,NO)                          | 1A-05            | 1A-05      | ELEM 268       | SS                         | Relay GERS or Specific Qualification |
| 49 | 4160V  | 1A-05            | 1-87A/A05   | W CA-16                               | 1A-05            | 1A-05      | ELEM 268       | SS                         | Relay GERS or Specific Qualification |
| 50 | 4160V  | 1A-05            | 1-87B/A05   | W CA-16                               | 1A-05            | 1A-05      | ELEM 268       | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|    | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL      | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|----|--------|------------------|----------------|-----------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 51 | 4160V  | 1A-05            | 1-87C/A05      | W CA-16               | 1A-05            | 1A-05    | ELEM 268 | SS                         | Relay GERS or Specific Qualification |
| 52 | 4160V  | 1A-06            | 1-74/A06FM     | LINE ELEC. AGH1D      | 1A-06            | 1A-06    | ELEM 268 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 53 | 4160V  | 1A-06            | 1-86/A06       | W WL                  | 1A-06            | 1A-06    | ELEM 268 | SS                         | Relay GERS or Specific Qualification |
| 54 | 4160V  | 1A-06            | 1-86X/A06      | W SG (DE,NO)          | 1A-06            | 1A-06    | ELEM 268 | SS                         | Relay GERS or Specific Qualification |
| 55 | 4160V  | 1A-06            | 1-87A/A06      | W CA-16               | 1A-06            | 1A-06    | ELEM 268 | SS                         | Relay GERS or Specific Qualification |
| 56 | 4160V  | 1A-06            | 1-87B/A06      | W CA-16               | 1A-06            | 1A-06    | ELEM 268 | SS                         | Relay GERS or Specific Qualification |
| 57 | 4160V  | 1A-06            | 1-87C/A06      | W CA-16               | 1A-06            | 1A-06    | ELEM 268 | SS                         | Relay GERS or Specific Qualification |
| 58 | 4160V  | 1A52-58          | 50G/1A52-58    | W ITH                 | 1A-05            | 1A52-58  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 59 | 4160V  | 1A52-58          | 51/50A/1A52-58 | W CO                  | 1A-05            | 1A52-58  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 60 | 4160V  | 1A52-58          | 51/50B/1A52-58 | W CO                  | 1A-05            | 1A52-58  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 61 | 4160V  | 1A52-58          | 51/50C/1A52-58 | W CO                  | 1A-05            | 1A52-58  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 62 | 4160V  | 1A52-58          | 86/1A52-58     | W MG-6                | 1A-05            | 1A52-58  | ELEM 256 | SS16                       | Relay GERS or Specific Qualification |
| 63 | 4130V  | 1A52-58          | HC-252/1A52-58 | AMMETER               | 1A-05            | 1A52-58  | ELEM 200 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 64 | 4160V  | 1A52-58          | X/1A52-58      | W Life Line Contactor | 1A-05            | 1A52-58  | ELEM 256 | SWGR                       | Relays directly control Switchgear   |
| 65 | 4160V  | 1A52-58          | Y/1A52-58      | W Life Line Contactor | 1A-05            | 1A52-58  | ELEM 256 | SWGR                       | Relays directly control Switchgear   |
| 66 | 4160V  | 1A52-61          | X/1A52-61      | W Life Line Contactor | 1A-05            | 1A52-61  | ELEM 266 | SWGR                       | Relays directly control Switchgear   |
| 67 | 4160V  | 1A52-61          | Y/1A52-61      | W Life Line Contactor | 1A-05            | 1A52-61  | ELEM 266 | SWGR                       | Relays directly control Switchgear   |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|    | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL      | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|----|--------|------------------|----------------|-----------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 68 | 4160V  | 1A52-64          | 50G/1A52-64    | W ITH                 | 1A-06            | 1A52-64  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 69 | 4160V  | 1A52-64          | 51/50A/1A52-64 | W CO                  | 1A-06            | 1A52-64  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 70 | 4160V  | 1A52-64          | 51/50B/1A52-64 | W CO                  | 1A-06            | 1A52-64  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 71 | 4160V  | 1A52-64          | 51/50C/1A52-64 | W CO                  | 1A-06            | 1A52-64  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 72 | 4160V  | 1A52-64          | 86/1A52-64     | W MG-6                | 1A-06            | 1A52-64  | ELEM 256 | SS16                       | Relay GERS or Specific Qualification |
| 73 | 4160V  | 1A52-64          | HC-252/1A52-64 | AMMETER               | 1A-06            | 1A52-64  | ELEM 200 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 74 | 4160V  | 1A52-64          | X/1A52-64      | W Life Line Contactor | 1A-06            | 1A52-64  | ELEM 256 | SWGR                       | Relays directly control Switchgear   |
| 75 | 4160V  | 1A52-64          | Y/1A52-64      | W Life Line Contactor | 1A-06            | 1A52-64  | ELEM 256 | SWGR                       | Relays directly control Switchgear   |
| 76 | 4160V  | 2A-05            | 2-74/A05FM     | LINE ELEC. AGH1D      | 2A-05            | 2A-05    | ELEM 298 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 77 | 4160V  | 2A-05            | 2-86/A05       | W WL                  | 2A-05            | 2A-05    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 78 | 4160V  | 2A-05            | 2-86X/A05      | W SG (DE,NO)          | 2A-05            | 2A-05    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 79 | 4160V  | 2A-05            | 2-87A/A05      | W CA-16               | 2A-05            | 2A-05    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 80 | 4160V  | 2A-05            | 2-87B/A05      | W CA-16               | 2A-05            | 2A-05    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 81 | 4160V  | 2A-05            | 2-87C/A05      | W CA-16               | 2A-05            | 2A-05    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 82 | 4160V  | 2A-06            | 2-74/A06FM     | LINE ELEC. AGH1D      | 2A-06            | 2A-06    | ELEM 298 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 83 | 4160V  | 2A-06            | 2-86/A06       | W WL                  | 2A-06            | 2A-06    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 84 | 4160V  | 2A-06            | 2-86X/A06      | W SG (DE,NO)          | 2A-06            | 2A-06    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL      | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|----------------|-----------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 85  | 4160V  | 2A-06            | 2-87A/A06      | W CA-16               | 2A-06            | 2A-06    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 86  | 4160V  | 2A-06            | 2-87B/A06      | W CA-16               | 2A-06            | 2A-06    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 87  | 4160V  | 2A-06            | 2-87C/A06      | W CA-16               | 2A-06            | 2A-06    | ELEM 298 | SS                         | Relay GERS or Specific Qualification |
| 88  | 4160V  | 2A52-69          | 50G/2A52-69    | W ITH                 | 2A-06            | 2A52-69  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 89  | 4160V  | 2A52-69          | 51/50A/2A52-69 | W CO                  | 2A-06            | 2A52-69  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 90  | 4160V  | 2A52-69          | 51/50B/2A52-69 | W CO                  | 2A-06            | 2A52-69  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 91  | 4160V  | 2A52-69          | 51/50C/2A52-69 | W CO                  | 2A-06            | 2A52-69  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 92  | 4160V  | 2A52-69          | 86/2A52-69     | W MG-6                | 2A-06            | 2A52-69  | ELEM 286 | SS16                       | Relay GERS or Specific Qualification |
| 93  | 4160V  | 2A52-69          | HC-252/2A52-69 | AMMETER               | 2A-06            | 2A52-69  | ELEM 200 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 94  | 4160V  | 2A52-69          | X/2A52-69      | W Life Line Contactor | 2A-06            | 2A52-69  | ELEM 286 | SWGR                       | Relays directly control Switchgear   |
| 95  | 4160V  | 2A52-69          | Y/2A52-69      | W Life Line Contactor | 2A-06            | 2A52-69  | ELEM 286 | SWGR                       | Relays directly control Switchgear   |
| 96  | 4160V  | 2A52-72          | X/2A52-72      | W Life Line Contactor | 2A-06            | 2A52-72  | ELEM 296 | SWGR                       | Relays directly control Switchgear   |
| 97  | 4160V  | 2A52-72          | Y/2A52-72      | W Life Line Contactor | 2A-06            | 2A52-72  | ELEM 296 | SWGR                       | Relays directly control Switchgear   |
| 98  | 4160V  | 2A52-75          | 50G/2A52-75    | W ITH                 | 2A-05            | 2A52-75  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 99  | 4160V  | 2A52-75          | 51/50A/2A52-75 | W CO                  | 2A-05            | 2A52-75  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 100 | 4160V  | 2A52-75          | 51/50B/2A52-75 | W CO                  | 2A-05            | 2A52-75  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |
| 101 | 4160V  | 2A52-75          | 51/50C/2A52-75 | W CO                  | 2A-05            | 2A52-75  | ELEM 200 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL      | RELAY CABINET ID | LOCATION | DRAWING   | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|----------------|-----------------------|------------------|----------|-----------|----------------------------|--------------------------------------|
| 102 | 4160V  | 2A52-75          | 86/2A52-75     | W MG-6                | 2A-05            | 2A52-75  | ELEM 286  | SS16                       | Relay GERS or Specific Qualification |
| 103 | 4160V  | 2A52-75          | HC-252/2A52-75 | AMMETER               | 2A-05            | 2A52-75  | ELEM 200  | CA3                        | Circuit/Relay Malfunction Acceptable |
| 104 | 4160V  | 2A52-75          | X/2A52-75      | W Life Line Contactor | 2A-05            | 2A52-75  | ELEM 286  | SWGR                       | Relays directly control Switchgear   |
| 105 | 4160V  | 2A52-75          | Y/2A52-75      | W Life Line Contactor | 2A-05            | 2A52-75  | ELEM 286  | SWGR                       | Relays directly control Switchgear   |
| 106 | 480V   | 1B-03            | 1-74/B03FM     |                       | C-01-1(2)C-04    | C-01     | ELEM 342  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 107 | 480V   | 1B-03            | 1-86/B03       | W WL                  | C-01-1(2)C-04    | C-01     | ELEM 342  | SS                         | Relay GERS or Specific Qualification |
| 108 | 480V   | 1B-03            | 1-86X/B03      | W Nbfd65NR            | 1B-03            | 1B-03    | ELEM 342A | SS                         | Relay GERS or Specific Qualification |
| 109 | 480V   | 1B-04            | 1-74/B04FM     |                       | C-01-1(2)C-04    | C-01     | ELEM 343  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 110 | 480V   | 1B-04            | 1-86/B04       | W WL                  | C-01-1(2)C-04    | C-01     | ELEM 343  | SS                         | Relay GERS or Specific Qualification |
| 111 | 480V   | 1B-04            | 1-86X/B04      | W Nbfd65NR            | 1B-04            | 1B-04    | ELEM 342A | SS                         | Relay GERS or Specific Qualification |
| 112 | 480V   | 1B52-11B         | X/1B52-11B     | W Type M              | 1B-03            | 1B52-11B | ELEM 329  | SWGR                       | Relays directly control Switchgear   |
| 113 | 480V   | 1B52-12A         | 74/1B52-12A    | W BFD22S              | C-01-1(2)C-04    | 1C-03    | ELEM 321  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 114 | 480V   | 1B52-12A         | X/1B52-12A     | W Type M              | 1B-03            | 1B52-12A | ELEM 321  | SWGR                       | Relays directly control Switchgear   |
| 115 | 480V   | 1B52-12B         | 86/1B52-12B    | W MG-6                | 1B-03            | 1B52-12B | ELEM 324  | SS16                       | Relay GERS or Specific Qualification |
| 116 | 480V   | 1B52-13A         | 1-62/P2A       | AGASTAT 2412PC        | 1B-03            | 1B52-13A | ELEM 316  | SS                         | Relay GERS or Specific Qualification |
| 117 | 480V   | 1B52-13A         | 86/1B52-13A    | W MG-6                | 1B-03            | 1B52-13A | ELEM 316  | CA16                       | Circuit/Relay Malfunction Acceptable |
| 118 | 480V   | 1B52-13A         | ETIX/1B52-13A  | W BFD11S              | 1N-04            | 1N-04    | ELEM 316  | CA3                        | Circuit/Relay Malfunction Acceptable |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID      | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING   | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|---------------|------------------|------------------|----------|-----------|----------------------------|--------------------------------------|
| 119 | 480V   | 1B52-13A         | X/1B52-13A    | W Type M         | 1B-03            | 1B52-13A | ELEM 316  | SWGR                       | Relays directly control Switchgear   |
| 120 | 480V   | 1B52-13B         | 1-62/P2B      | AGASTAT 2412PC   | 1B-03            | 1B52-13B | ELEM 316  | SS                         | Relay GERS or Specific Qualification |
| 121 | 480V   | 1B52-13B         | 86/1B52-13B   | W MG-6           | 1B-03            | 1B52-13B | ELEM 316  | SS16                       | Relay GERS or Specific Qualification |
| 122 | 480V   | 1B52-13B         | ETIX/1B52-13B | W NBF11S         | 1N-04            | 1N-04    | ELEM 316  | CA3                        | Circuit/Relay Malfunction Acceptable |
| 123 | 480V   | 1B52-13B         | X/1B52-13B    | W Type M         | 1B-03            | 1B52-13B | ELEM 316  | SWGR                       | Relays directly control Switchgear   |
| 124 | 480V   | 1B52-13C         | X/1B52-13C    | W Type M         | 1B-03            | 1B52-13C | ELEM 329  | SWGR                       | Relays directly control Switchgear   |
| 125 | 480V   | 1B52-14A         | 74/1B52-14A   | W BFD22S         | C-01-1(2)C-04    | C-01     | ELEM 322  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 126 | 480V   | 1B52-14A         | X/1B52-14A    | W Type M         | 1B-03            | 1B52-14A | ELEM 322  | SWGR                       | Relays directly control Switchgear   |
| 127 | 480V   | 1B52-14B         | X/1B52-14B    | W Type M         | 1B-03            | 1B52-14B | ELEM 356  | SWGR                       | Relays directly control Switchgear   |
| 128 | 480V   | 1B52-16B         | 74/1B52-16B   | W BFD22S         | 1B-03            | 1B52-16B | ELEM 351  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 129 | 480V   | 1B52-16B         | X/1B52-16B    | W Type M         | 1B-03            | 1B52-16B | ELEM 351  | SWGR                       | Relays directly control Switchgear   |
| 130 | 480V   | 1B52-17B         | 74/1B52-17B   | W BFD22S         | 1B-04            | 1B52-17B | ELEM 352  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 131 | 480V   | 1B52-17B         | X/1B52-17B    | W Type M         | 1B-04            | 1B52-17B | ELEM 352  | SWGR                       | Relays directly control Switchgear   |
| 132 | 480V   | 1B52-19A         | 74/1B52-19A   | W BFD22S         | C-01-1(2)C-04    | C-01     | ELEM 322  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 133 | 480V   | 1B52-19A         | X/1B52-19A    | W Type M         | 1B-04            | 1B52-19A | ELEM 322  | SWGR                       | Relays directly control Switchgear   |
| 134 | 480V   | 1B52-20A         | 1-62/P2C      | AGASTAT 2412PC   | 1B-04            | 1B52-20A | ELEM 316A | SS                         | Relay GERS or Specific Qualification |
| 135 | 480V   | 1B52-20A         | 86/1B52-20A   | W MG-6           | 1B-04            | 1B52-20A | ELEM 316A | SS16                       | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID      | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING   | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|---------------|------------------|------------------|----------|-----------|----------------------------|--------------------------------------|
| 136 | 480V   | 1B52-20A         | L7IX/1B52-20A | ASEA RXMA1       | 1N-11            | 1N-11    | ELEM 316A | CA3                        | Circuit/Relay Malfunction Acceptable |
| 137 | 480V   | 1B52-20A         | X/1B52-20A    | W Type M         | 1B-04            | 1B52-20A | ELEM 316A | SWGR                       | Relays directly control Switchgear   |
| 138 | 480V   | 1B52-21A         | 74/1B52-21A   | W BFD22S         | C-01-1(2)C-04    | 1C-03    | ELEM 321  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 139 | 480V   | 1B52-21A         | X/1B52-21A    | W Type M         | 1B-04            | 1B52-21A | ELEM 321  | SWGR                       | Relays directly control Switchgear   |
| 140 | 480V   | 1B52-21B         | 86/1B52-21B   | W MG-6           | 1B-04            | 1B52-21B | ELEM 324A | SS16                       | Relay GERS or Specific Qualification |
| 141 | 480V   | 1B52-22A         | TR            | W BFD44S         | N-06             | N-06     | ELEM 366  | SS                         | Relay GERS or Specific Qualification |
| 142 | 480V   | 1B52-23A         | X/1B52-23A    | W Type M         | 1B-04            | 1B52-23A | ELEM 329  | SWGR                       | Relays directly control Switchgear   |
| 143 | 480V   | 1B52-23C         | X/1B52-23C    | W Type M         | 1B-04            | 1B52-23C | ELEM 356  | SWGR                       | Relays directly control Switchgear   |
| 144 | 480V   | 1B52-24C         | X/1B52-24C    | W Type M         | 1B-04            | 1B52-24C | ELEM 329  | SWGR                       | Relays directly control Switchgear   |
| 145 | 480V   | 1B52-3213L       | 1B42-3213L    | CONTACTOR        | 1B-32            | 1B-32    | ELEM 538  | SS                         | Relay GERS or Specific Qualification |
| 146 | 480V   | 1B52-3213L       | 27-13213L     | W BF22F          | 1B-32            | 1B-32    | ELEM 538  | SS                         | Relay GERS or Specific Qualification |
| 147 | 480V   | 2B-03            | 2-74/B03FM    |                  | C-01-1(2)C-04    | C-01     | ELEM 344  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 148 | 480V   | 2B-03            | 2-86/B03      | W WL             | C-01-1(2)C-04    | C-01     | ELEM 344  | SS                         | Relay GERS or Specific Qualification |
| 149 | 480V   | 2B-03            | 2-86X/B03     | W NBDF65NR       | 2B-0?            | 2B-03    | ELEM 344A | SS                         | Relay GERS or Specific Qualification |
| 150 | 480V   | 2B-04            | 2-74/B04FM    |                  | C-01-1(2)C-04    | C-01     | ELEM 345  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 151 | 480V   | 2B-04            | 2-86/B04      | W WL             | C-01-1(2)C-04    | C-01     | ELEM 345  | SS                         | Relay GERS or Specific Qualification |
| 152 | 480V   | 2B-04            | 2-86X/B04     | W NBDF65NR       | 2B-04            | 2B-04    | ELEM 344A | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING   | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|-------------|------------------|------------------|----------|-----------|----------------------------|--|
| 153 | 480V   | 2B52-25B         | 74/2B52-25B | W BFD22S         | C-01-1(2)C-04    | C-02     | ELEM 382  | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 154 | 480V   | 2B52-25B         | X/2B52-25B  | W Type M         | 2B-04            | 2B52-25B | ELEM 382  | SWGR                       | Relays directly control Switchgear                   |
| 155 | 480V   | 2B52-27A         | 74/2B52-27A | W BFD22S         | C-01-1(2)C-04    | C-01     | ELEM 338  | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 156 | 480V   | 2B52-27A         | X/2B52-27A  | W Type M         | 2B-04            | 2B52-27A | ELEM 338  | SWGR                       | Relays directly control Switchgear                   |
| 157 | 480V   | 2B52-28A         | 2-62/P2C    |                  | 2B-04            | 2B52-28A | ELEM 333  | CA14                       | Circuit/Relay Malfunction Acceptable                 |
| 158 | 480V   | 2B52-28A         | 2CX/P2C     | W NBFD11S        | 2N-11            | 2N-11    | ELEM 333  | CA3                        | Circuit/Relay Malfunction Acceptable                 |
| 159 | 480V   | 2B52-28A         | 86/2B52-28A | W MG-6           | 2B-04            | 2B52-28A | ELEM 333  | SS16                       | Relay GERS or Specific Qualification                 |
| 160 | 480V   | 2B52-28A         | X/2B52-28A  | W Type M         | 2B-04            | 2B52-28A | ELEM 333  | SWGR                       | Relays directly control Switchgear                   |
| 161 | 480V   | 2B52-29A         | 74/2B52-29A | W BFD22S         | C-01-1(2)C-04    | 2C-03    | ELEM 337  | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 162 | 480V   | 2B52-29A         | X/2B52-29A  | W Type M         | 2B-04            | 2B52-29A | ELEM 337  | SWGR                       | Relays directly control Switchgear                   |
| 163 | 480V   | 2B52-29B         | 86/2B52-29B | W MG-6           | 2B-04            | 2B52-29B | ELEM 340  | SS16                       | Relay GERS or Specific Qualification                 |
| 164 | 480V   | 2B52-29C         | 2CR         |                  | K-3B             | C-54     | ELEM 366A | CA21                       | Circuit/Relay Malfunction Acceptable                 |
| 165 | 480V   | 2B52-29C         | 3CR         | PB KRP11D        | K-3B             | C-54     | ELEM 366A | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 166 | 480V   | 2B52-31A         | X/2B52-31A  | W Type M         | 2B-04            | 2B52-31A | ELEM 329  | SWGR                       | Relays directly control Switchgear                   |
| 167 | 480V   | 2B52-31B         | X/2B52-31B  | W Type M         | 2B-04            | 2B52-31B | ELEM 329  | SWGR                       | Relays directly control Switchgear                   |
| 168 | 480V   | 2B52-32C         | X/2B52-32C  | W Type M         | 2B-04            | 2B52-32C | ELEM 386  | SWGR                       | Relays directly control Switchgear                   |
| 169 | 480V   | 2B52-33C         | X/2B52-33C  | W Type M         | 2B-03            | 2B52-33C | ELEM 371  | SWGR                       | Relays directly control Switchgear                   |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID      | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING   | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|---------------|------------------|------------------|----------|-----------|----------------------------|--------------------------------------|
| 170 | 480V   | 2B52-35C         | X/2B52-35C    | W Type M         | 2B-03            | 2B52-35C | ELEM 329  | SWGR                       | Relays directly control Switchgear   |
| 171 | 480V   | 2B52-36A         | 74/2B52-36A   | W BFD22S         | C-01-1(2)C-04    | 2C-03    | ELEM 337  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 172 | 480V   | 2B52-36A         | X/2B52-36A    | W Type M         | 2B-03            | 2B52-36A | ELEM 337  | SWGR                       | Relays directly control Switchgear   |
| 173 | 480V   | 2B52-36B         | 86/2B52-36B   | W MG-6           | 2B-03            | 2B52-36B | ELEM 340A | SS16                       | Relay GERS or Specific Qualification |
| 174 | 480V   | 2B52-36C         | X/2B52-36C    | W Type M         | 2B-03            | 2B52-36C | ELEM 329  | SWGR                       | Relays directly control Switchgear   |
| 175 | 480V   | 2B52-37A         | 2-62/P2A      | AGASTAT 2412PC   | 2B-03            | 2B52-37A | ELEM 335  | SS                         | Relay GERS or Specific Qualification |
| 176 | 480V   | 2B52-37A         | 86/2B52-37A   | W MG-6           | 2B-03            | 2B52-37A | ELEM 335  | SS16                       | Relay GERS or Specific Qualification |
| 177 | 480V   | 2B52-37A         | ETIX/2B52-37A | ASCO 2126311G    | 2N-04            | 2N-04    | ELEM 335  | CA3                        | Circuit/Relay Malfunction Acceptable |
| 178 | 480V   | 2B52-37A         | X/2B52-37A    | W Type M         | 2B-03            | 2B52-37A | ELEM 335  | SWGR                       | Relays directly control Switchgear   |
| 179 | 480V   | 2B52-37B         | 2-62/P2B      | AGASTAT 2412PC   | 2B-03            | 2B52-37B | ELEM 335  | SS                         | Relay GERS or Specific Qualification |
| 180 | 480V   | 2B52-37B         | 86/2B52-37B   | W MG-6           | 2B-03            | 2B52-37B | ELEM 335  | SS16                       | Relay GERS or Specific Qualification |
| 181 | 480V   | 2B52-37B         | ETIX/2B52-37B | ASCO 2126311G    | 2N-04            | 2N-04    | ELEM 335  | CA3                        | Circuit/Relay Malfunction Acceptable |
| 182 | 480V   | 2B52-37B         | X/2B52-37B    | W Type M         | 2B-03            | 2B52-37B | ELEM 335  | SWGR                       | Relays directly control Switchgear   |
| 183 | 480V   | 2B52-38A         | 74/2B52-38A   | W BFD22S         | C-01-1(2)C-04    | C-01     | ELEM 338  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 184 | 480V   | 2B52-38A         | X/2B52-38A    | W Type M         | 2B-03            | 2B52-38A | ELEM 338  | SWGR                       | Relays directly control Switchgear   |
| 185 | 480V   | 2B52-38B         | X/2B52-38B    | W Type M         | 2B-03            | 2B52-38B | ELEM 386  | SWGR                       | Relays directly control Switchgear   |
| 186 | 480V   | 2B52-40B         | 74/2B52-40B   | W BFD22S         | C-01-1(2)C-04    | C-02     | ELEM 381  | CA4                        | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL    | RELAY CABINET ID | LOCATION | DRAWING    | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|------------|---------------------|------------------|----------|------------|----------------------------|--------------------------------------|
| 187 | 480V   | 2B52-40B         | X/2B52-40B | W Type M            | 2B-03            | 2B52-40B | ELEM 381   | SWGR                       | Relays directly control Switchgear   |
| 188 | 480V   | 2B52-4212M       | 27-24212M  | W BF22F             | 2B-42            | 2B-42    | ELEM 538   | SS                         | Relay GERS or Specific Qualification |
| 189 | 480V   | 2B52-4212M       | 2B42-4212M | CONTACTOR           | 2B-42            | 2B42-12M | ELEM 538   | SS                         | Relay GERS or Specific Qualification |
| 190 | AF     | 1AF-4002-S       | 1-62/NC005 | AGASTAT 2422PE      | C-01-1(2)C-04    | 1C-03    | ELEM 816   | CA5                        | Circuit/Relay Malfunction Acceptable |
| 191 | AF     | 1AF-4002-S       | 1-74/2082  | W NBFD22            | C-01-1(2)C-04    | 1C-03    | ELEM 816   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 192 | AF     | 1AF-4002-S       | 1DPIS-4002 | FOXBORO 43E TYPE 70 | 1DPIS-4002       | 1P-29    | BECH M-217 | CA23                       | Circuit/Relay Malfunction Acceptable |
| 193 | AF     | 1AF-4006-M       | 1B42-428F  | CONTACTOR           | 1B-42            | 1B42-8F  | ELEM 818   | SS                         | Relay GERS or Specific Qualification |
| 194 | AF     | 2AF-4002-S       | 2-62/NC005 | AGASTAT 2422PE      | C-01-1(2)C-04    | 2C-03    | ELEM 869   | CA5                        | Circuit/Relay Malfunction Acceptable |
| 195 | AF     | 2AF-4002-S       | 2-74/2082  | W NBFD22            | C-01-1(2)C-04    | 2C-03    | ELEM 869   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 196 | AF     | 2AF-4002-S       | 2DPIS-4002 | FOXBORO 43E TYPE 70 | 2DPIS-4002       | 2P-29    | BECH M-217 | CA23                       | Circuit/Relay Malfunction Acceptable |
| 197 | AF     | 2AF-4006-M       | 2B42-427M  | CONTACTOR           | 2B-42            | 2B42-7M  | ELEM 863   | SS                         | Relay GERS or Specific Qualification |
| 198 | AF     | AF-4007-S        | 62/P38A    | AGASTAT 2422PF      | N-01             | N-01     | ELEM 372   | CA11                       | Circuit/Relay Malfunction Acceptable |
| 199 | AF     | AF-4007-S        | DPIS-4007  | FOXBORO 43E TYPE 70 | DPIS-4007        | P-38A    | BECH M-217 | CA23                       | Circuit/Relay Malfunction Acceptable |
| 200 | AF     | AF-4009-M        | 1B42-328C  | CONTACTOR           | 1B-32            | 1B32-8C  | ELEM 812   | SS                         | Relay GERS or Specific Qualification |
| 201 | AF     | AF-4014-S        | 62/P38B    | AGASTAT 2422PF      | N-02             | N-02     | ELEM 372   | CA11                       | Circuit/Relay Malfunction Acceptable |
| 202 | AF     | AF-4014-S        | DPIS-4014  | FOXBORO 43E TYPE 70 | DPIS-4014        | P-38B    | BECH M-217 | CA23                       | Circuit/Relay Malfunction Acceptable |
| 203 | AF     | AF-4016-M        | 2B42-428C  | CONTACTOR           | 2B-42            | 2B42-8C  | ELEM 812   | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING            | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|--------------------|----------------------------|--------------------------------------|
| 204 | AF     | AF-4020-M        | 2B42-428F   | CONTACTOR        | 2B-42            | 2B42-8F  | ELEM 812B          | SS                         | Relay GERS or Specific Qualification |
| 205 | AF     | AF-4020-M        | 2LC-461B-XB | W BF57F          | 2C-161-165       | 2C-161   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 206 | AF     | AF-4020-M        | 2LC-461B-YB | W BF57F          | 2C-161-165       | 2C-161   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 207 | AF     | AF-4020-M        | 2LC-462A-XB | W BF57F          | 2C-161-165       | 2C-163   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 208 | AF     | AF-4020-M        | 2LC-462A-YB | W BF57F          | 2C-161-165       | 2C-163   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 209 | AF     | AF-4020-M        | 2LC-463C-XB | W BF57F          | 2C-161-165       | 2C-164   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 210 | AF     | AF-4020-M        | 2LC-463C-YB | W BF57F          | 2C-161-165       | 2C-164   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 211 | AF     | AF-4020-M        | 2LC-471B-XB | W BF57F          | 2C-161-165       | 2C-164   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 212 | AF     | AF-4020-M        | 2LC-471B-YB | W BF57F          | 2C-161-165       | 2C-164   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 213 | AF     | AF-4020-M        | 2LC-472A-XB | W BF57F          | 2C-161-165       | 2C-161   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 214 | AF     | AF-4020-M        | 2LC-472A-YB | W BF57F          | 2C-161-165       | 2C-161   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 215 | AF     | AF-4020-M        | 2LC-473C-XB | W BF57F          | 2C-161-165       | 2C-162   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 216 | AF     | AF-4020-M        | 2LC-473C-YB | W BF57F          | 2C-161-165       | 2C-162   | W 617F354-2 SH.7B2 | SS                         | Relay GERS or Specific Qualification |
| 217 | AF     | AF-4020-M        | 2LCAB       | W BFD44S         | C-01-1(2)C-04    | 2C-03    | ELEM 1532          | SS                         | Relay GERS or Specific Qualification |
| 218 | AF     | AF-4020-M        | 2LCBB       | W BFD44S         | C-01-1(2)C-04    | 2C-03    | ELEM 1532          | SS                         | Relay GERS or Specific Qualification |
| 219 | AF     | AF-4020-M        | 4020X       | W N8FD65NR       | C-01-1(2)C-04    | C-01     | ELEM 370           | SS                         | Relay GERS or Specific Qualification |
| 220 | AF     | AF-4020-M        | P38B-2X     | W BFD31S         | C-01-1(2)C-04    | C-01     | ELEM 370           | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE<br>(w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|------------------|-------------------------------|--------------------------------------|
| 221 | AF     | AF-4021-M        | 1B42-428C   | CONTACTOR        | 1B-42            | 1B42-8C  | ELEM 812A        | SS                            | Relay GERS or Specific Qualification |
| 222 | AF     | AF-4021-M        | 1LC-461B-XB | W BF57F          | 1C-161-165       | 1C-161   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 223 | AF     | AF-4021-M        | 1LC-461B-YB | W BF57F          | 1C-161-165       | 1C-161   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 224 | AF     | AF-4021-M        | 1LC-462A-XB | W BF57F          | 1C-161-165       | 1C-163   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 225 | AF     | AF-4021-M        | 1LC-462A-YB | W BF57F          | 1C-161-165       | 1C-163   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 226 | AF     | AF-4021-M        | 1LC-463C-XB | W BF57F          | 1C-161-165       | 1C-164   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 227 | AF     | AF-4021-M        | 1LC-463C-YB | W BF57F          | 1C-161-165       | 1C-164   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 228 | AF     | AF-4021-M        | 1LC-471B-XB | W BF57F          | 1C-161-165       | 1C-164   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 229 | AF     | AF-4021-M        | 1LC-471B-YB | W BF57F          | 1C-161-165       | 1C-164   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 230 | AF     | AF-4021-M        | 1LC-472A-XB | W BF57F          | 1C-161-165       | 1C-161   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 231 | AF     | AF-4021-M        | 1LC-472A-YB | W BF57F          | 1C-161-165       | 1C-161   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 232 | AF     | AF-4021-M        | 1LC-473C-XB | W BF57F          | 1C-161-165       | 1C-162   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 233 | AF     | AF-4021-M        | 1LC-473C-YB | W BF57F          | 1C-161-165       | 1C-162   | W 617F354 SH.7B2 | SS                            | Relay GERS or Specific Qualification |
| 234 | AF     | AF-4021-M        | 1LCAB       | W BFD44S         | C-01-1(2)C-04    | 1C-03    | ELEM 1523        | SS                            | Relay GERS or Specific Qualification |
| 235 | AF     | AF-4021-M        | 1LCBB       | W BFD44S         | C-01-1(2)C-04    | 1C-03    | ELEM 1523        | SS                            | Relay GERS or Specific Qualification |
| 236 | AF     | AF-4021-M        | 4021X       | W Nbfd65NR       | C-01-1(2)C-04    | C-01     | ELEM 370         | SS                            | Relay GERS or Specific Qualification |
| 237 | AF     | AF-4021-M        | P38B-1X     | W BFD31S         | C-01-1(2)C-04    | C-01     | ELEM 370         | SS                            | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING            | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|--------------------|----------------------------|--------------------------------------|
| 238 | AF     | AF-4022-M        | 2B42-328C   | CONTACTOR        | 2B-32            | 2B32-8C  | ELEM 812B          | SS                         | Relay GERS or Specific Qualification |
| 239 | AF     | AF-4022-M        | 2LC-461B-XA | W BF57F          | 2C-151-155       | 2C-151   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 240 | AF     | AF-4022-M        | 2LC-461B-YA | W BF57F          | 2C-151-155       | 2C-151   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 241 | AF     | AF-4022-M        | 2LC-462A-XA | W BF57F          | 2C-151-155       | 2C-153   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 242 | AF     | AF-4022-M        | 2LC-462A-YA | W BF57F          | 2C-151-155       | 2C-153   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 243 | AF     | AF-4022-M        | 2LC-463C-XA | W BF57F          | 2C-151-155       | 2C-154   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 244 | AF     | AF-4022-M        | 2LC-463C-YA | W BF57F          | 2C-151-155       | 2C-154   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 245 | AF     | AF-4022-M        | 2LC-471B-XA | W BF57F          | 2C-151-155       | 2C-154   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 246 | AF     | AF-4022-M        | 2LC-471B-YA | W BF57F          | 2C-151-155       | 2C-154   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 247 | AF     | AF-4022-M        | 2LC-472A-XA | W BF57F          | 2C-151-155       | 2C-151   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 248 | AF     | AF-4022-M        | 2LC-472A-YA | W BF57F          | 2C-151-155       | 2C-151   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 249 | AF     | AF-4022-M        | 2LC-473C-XA | W BF57F          | 2C-151-155       | 2C-152   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 250 | AF     | AF-4022-M        | 2LC-473C-YA | W BF57F          | 2C-151-155       | 2C-152   | W 617F354-2 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 251 | AF     | AF-4022-M        | 2LCAA       | W BFD44S         | C-01-1(2)C-04    | 2C-03    | ELEM 1532          | SS                         | Relay GERS or Specific Qualification |
| 252 | AF     | AF-4022-M        | 2LCBA       | W BFD44S         | C-01-1(2)C-04    | 2C-03    | ELEM 1532          | SS                         | Relay GERS or Specific Qualification |
| 253 | AF     | AF-4022-M        | 4022X       | W Nbfd65NR       | C-01-1(2)C-04    | C-01     | ELEM 370           | SS                         | Relay GERS or Specific Qualification |
| 254 | AF     | AF-4022-M        | P38A-2X     | W BFD31S         | C-01-1(2)C-04    | C-01     | ELEM 370           | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 255 | AF     | AF-4023-M        | 1B42-328F   | CONTACTOR        | 1B-32            | 1B32-8F  | ELEM 812A        | SS                         | Relay GERS or Specific Qualification |
| 256 | AF     | AF-4023-M        | 1LC-461B-XA | W BF57F          | 1C-151-155       | 1C-151   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 257 | AF     | AF-4023-M        | 1LC-461B-YA | W BF57F          | 1C-151-155       | 1C-151   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 258 | AF     | AF-4023-M        | 1LC-462A-XA | W BF57F          | 1C-151-155       | 1C-153   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 259 | AF     | AF-4023-M        | 1LC-462A-YA | W BF57F          | 1C-151-155       | 1C-153   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 260 | AF     | AF-4023-M        | 1LC-463C-XA | W BF57F          | 1C-151-155       | 1C-154   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 261 | AF     | AF-4023-M        | 1LC-463C-YA | W BF57F          | 1C-151-155       | 1C-154   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 262 | AF     | AF-4023-M        | 1LC-471B-XA | W BF57F          | 1C-151-155       | 1C-154   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 263 | AF     | AF-4023-M        | 1LC-471B-YA | W BF57F          | 1C-151-155       | 1C-154   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 264 | AF     | AF-4023-M        | 1LC-472A-XA | W BF57F          | 1C-151-155       | 1C-151   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 265 | AF     | AF-4023-M        | 1LC-472A-YA | W BF57F          | 1C-151-155       | 1C-151   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 266 | AF     | AF-4023-M        | 1LC-473C-XA | W BF57F          | 1C-151-155       | 1C-152   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 267 | AF     | AF-4023-M        | 1LC-473C-YA | W BF57F          | 1C-151-155       | 1C-152   | W 617F354 SH.7A2 | SS                         | Relay GERS or Specific Qualification |
| 268 | AF     | AF-4023-M        | 1LCAA       | W BFD44S         | C-01-1(2)C-04    | 1C-03    | ELEM 1523        | SS                         | Relay GERS or Specific Qualification |
| 269 | AF     | AF-4023-M        | 1LCBA       | W BFD44S         | C-01-1(2)C-04    | 1C-03    | ELEM 1523        | SS                         | Relay GERS or Specific Qualification |
| 270 | AF     | AF-4023-M        | 4023X       | W NBF65NR        | C-01-1(2)C-04    | C-01     | ELEM 370         | SS                         | Relay GERS or Specific Qualification |
| 271 | AF     | AF-4023-M        | P38A-1X     | W BFD31S         | C-01-1(2)C-04    | C-01     | ELEM 370         | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL              | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|------------|-------------------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 272 | AF     | P-38A-M          | 62/4042    | AGASTAT 7014PC                | C-01-1(2)C-04    | C-01     | ELEM 373       | SS                         | Relay GERS or Specific Qualification |
| 273 | AF     | P-38A-M          | 74/P38A    | W BFD22S                      | C-01-1(2)C-04    | C-01     | ELEM 372       | CA4                        | Circuit/Relay Malfunction Acceptable |
| 274 | AF     | P-38A-M          | P38A-3X    | W BFD66S                      | C-01-1(2)C-04    | C-01     | ELEM 373       | SS                         | Relay GERS or Specific Qualification |
| 275 | AF     | P-38A-M          | PY-4042-LL | FOXBORO NO152CK - N-2AO-L2C-R | 1C-170-173       | 1C-171   | FOXBORO CD1-14 | SS                         | Relay GERS or Specific Qualification |
| 276 | AF     | P-38A-M          | X/1B52-12C | W Type M                      | 1B-03            | 1B52-12C | ELEM 369       | SWGR                       | Relays directly control Switchgear   |
| 277 | AF     | P-38B-M          | 62/4043    | AGASTAT 7014PC                | C-01-1(2)C-04    | C-01     | ELEM 373       | SS                         | Relay GERS or Specific Qualification |
| 278 | AF     | P-38B-M          | 74/P38B    | W BFD22S                      | C-01-1(2)C-04    | C-01     | ELEM 372       | CA4                        | Circuit/Relay Malfunction Acceptable |
| 279 | AF     | P-38B-M          | P38B-3X    | W BFD66S                      | C-01-1(2)C-04    | C-01     | ELEM 373       | SS                         | Relay GERS or Specific Qualification |
| 280 | AF     | P-38B-M          | PY-4043-LL | FOXBORO NO152CK - N-2AO-L2C-R | 2C-170-173       | 2C-173   | FOXBORO CD2-14 | SS                         | Relay GERS or Specific Qualification |
| 281 | AF     | P-38B-M          | X/2B52-31C | W Type M                      | 2B-04            | 2B52-31C | ELEM 369       | SWGR                       | Relays directly control Switchgear   |
| 282 | CC     | 1CC-719-M        | 1B42-426C  | CONTACTOR                     | 1B-42            | 1B42-6C  | ELEM 716       | SS                         | Relay GERS or Specific Qualification |
| 283 | CC     | 1CC-754A-M       | 1B42-326C  | CONTACTOR                     | 1B-32            | 1B32-6C  | ELEM 721       | SS                         | Relay GERS or Specific Qualification |
| 284 | CC     | 1CC-754B-M       | 1B42-326J  | CONTACTOR                     | 1B-32            | 1B32-6J  | ELEM 721       | SS                         | Relay GERS or Specific Qualification |
| 285 | CC     | 1CC-759A-M       | 1B42-326F  | CONTACTOR                     | 1B-32            | 1B32-6F  | ELEM 721       | SS                         | Relay GERS or Specific Qualification |
| 286 | CC     | 1CC-759B-M       | 1B42-326M  | CONTACTOR                     | 1B-32            | 1B32-6M  | ELEM 721       | SS                         | Relay GERS or Specific Qualification |
| 287 | CC     | 1CC-761A-S       | 1FIC-609   |                               | 1RK51            | 1RK51    | W 110E018 SH.2 | CA11                       | Circuit/Relay Malfunction Acceptable |
| 288 | CC     | 1CC-761B-S       | 1FIC-613   |                               | 1RK51            | 1RK51    | W 110E013 SH.2 | CA11                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL  | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|-------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 289 | CC     | 1CC-815-M        | 1B42-327M   | CONTACTOR         | 1B-32            | 1B32-7M  | ELEM 716        | SS                         | Relay GERS or Specific Qualification |
| 290 | CC     | 1P-11A-M         | 1PC-639 X1  | W BFD24S          | 1C-158/166/167   | 1C-158   | W 195A778 SH.24 | SS                         | Relay GERS or Specific Qualification |
| 291 | CC     | 1P-11A-M         | 1PIC-639    | BARTON Model 288A | 1PIC-639         | 1PIC-639 | W 110E018 SH3   | SS24                       | Relay GERS or Specific Qualification |
| 292 | CC     | 1P-11A-M         | 74/1B52-10A | W BFD22S          | C-01-1(2)C-04    | 1C-03    | ELEM 317        | CA4                        | Circuit/Relay Malfunction Acceptable |
| 293 | CC     | 1P-11A-M         | 86/1B52-10A | W MG-6            | 1D-03            | 1B52-10A | ELEM 317        | SS                         | Relay GERS or Specific Qualification |
| 294 | CC     | 1P-11A-M         | X/1B52-10A  | W Type M          | 1B-03            | 1B52-10A | ELEM 317        | SWGR                       | Relays directly control Switchgear   |
| 295 | CC     | 1P-11B-M         | 1PC-639-X2  | W BFD11S          | C-01-1(2)C-04    | 1C-03    | W 195A778 SH.24 | SS                         | Relay GERS or Specific Qualification |
| 296 | CC     | 1P-11B-M         | 74/1B52-23B | W BFD22S          | C-01-1(2)C-04    | 1C-03    | ELEM 317A       | CA4                        | Circuit/Relay Malfunction Acceptable |
| 297 | CC     | 1P-11B-M         | 86/1B52-23B | W MG-6            | 1B-04            | 1B52-23B | ELEM 317A       | SS                         | Relay GERS or Specific Qualification |
| 298 | CC     | 1P-11B-M         | X/1B52-23B  | W Type M          | 1B-04            | 1B52-23B | ELEM 317        | SWGR                       | Relays directly control Switchgear   |
| 299 | CC     | 2CC-719-M        | 2B42-426C   | CONTACTOR         | 2B-42            | 2B42-6C  | ELEM 716        | SS                         | Relay GERS or Specific Qualification |
| 300 | CC     | 2CC-754A-M       | 2B42-326C   | CONTACTOR         | 2B-32            | 2B32-6C  | ELEM 721        | SS                         | Relay GERS or Specific Qualification |
| 301 | CC     | 2CC-754B-M       | 2B42-326J   | CONTACTOR         | 2B-32            | 2B32-6J  | ELEM 721        | SS                         | Relay GERS or Specific Qualification |
| 302 | CC     | 2CC-759A-M       | 2B42-326F   | CONTACTOR         | 2B-32            | 2B32-6F  | ELEM 721        | SS                         | Relay GERS or Specific Qualification |
| 303 | CC     | 2CC-759B-M       | 2B42-326M   | CONTACTOR         | 2B-32            | 2B32-6M  | ELEM 721        | SS                         | Relay GERS or Specific Qualification |
| 304 | CC     | 2CC-761A-S       | 2FIC-609    |                   | 2RK51            | 2RK51    | W 110E018 SH.2  | CA11                       | Circuit/Relay Malfunction Acceptable |
| 305 | CC     | 2CC-761B-S       | 2FIC-613    |                   | 2RK51            | 2RK51    | W 110E018 SH.2  | CA11                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL  | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|-------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 306 | CC     | 2CC-815-M        | 2B42-327M   | CONTACTOR         | 2B-32            | 2B32-7M  | ELEM 716        | SS                         | Relay GERS or Specific Qualification |
| 307 | CC     | 2P-11A-M         | 2PC-639-X1  | W BFD24S          | 2C-156-158       | 2C-158   | W 195A778 SH.34 | SS                         | Relay GERS or Specific Qualification |
| 308 | CC     | 2P-11A-M         | 2PIC-639    | BARTON Model 288A | 2PIC-639         | 2PIC-639 | W 110E029 SH3   | SS24                       | Relay GERS or Specific Qualification |
| 309 | CC     | 2P-11A-M         | 74/2B52-34A | W BFD22S          | C-01-1(2)C-04    | 2C-03    | ELEM 336        | CA4                        | Circuit/Relay Malfunction Acceptable |
| 310 | CC     | 2P-11A-M         | 86/2B52-34A | W MG-6            | 2B-03            | 2B52-34A | ELEM 336        | SS                         | Relay GERS or Specific Qualification |
| 311 | CC     | 2P-11A-M         | X/2B52-34A  | W Type M          | 2B-03            | 2B52-34A | ELEM 336        | SWGR                       | Relays directly control Switchgear   |
| 312 | CC     | 2P-11B-M         | 2PC-639-X2  | W BFD11S          | C-01-1(2)C-04    | 2C-03    | W 195A778 SH.34 | SS                         | Relay GERS or Specific Qualification |
| 313 | CC     | 2P-11B-M         | 74/2B52-28B | W BFD22S          | C-01-1(2)C-04    | 2C-03    | ELEM 336A       | CA4                        | Circuit/Relay Malfunction Acceptable |
| 314 | CC     | 2P-11B-M         | 86/2B52-28B | W MG-6            | 2B-04            | 2B52-28B | ELEM 336A       | SS                         | Relay GERS or Specific Qualification |
| 315 | CC     | 2P-11B-M         | X/2B52-28B  | W Type M          | 2B-04            | 2B52-28B | ELEM 336        | SWGR                       | Relays directly control Switchgear   |
| 316 | CC     | CC-LW-63-S       | 2CI         | W NBFD65NR        | C-01-1(2)C-04    | 2C-03    | ELEM 713        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 317 | CC     | CC-LW-63-S       | 2CI-12-X1   | W NBFD08S         | C-01-1(2)C-04    | C-01     | ELEM 1695       | CA11                       | Circuit/Relay Malfunction Acceptable |
| 318 | CC     | CC-LW-63-S       | 2CI-21-X1   | W NBFD08S         | C-01-1(2)C-04    | C-01     | ELEM 1695       | CA11                       | Circuit/Relay Malfunction Acceptable |
| 319 | CC     | CC-LW-63-S       | 33/LW63X    | W NBFD65NR        | C-01-1(2)C-04    | 2C-03    | ELEM 713        | CA3                        | Circuit/Relay Malfunction Acceptable |
| 320 | CC     | CC-LW-64-S       | 33/LW64X    | W NBFD65NR        | C-01-1(2)C-04    | 2C-03    | ELEM 713        | CA3                        | Circuit/Relay Malfunction Acceptable |
| 321 | CS     | 1CS-466A-S       | 1FW/X1      | W BF33F           | 1C-158/166/167   | 1C-158   | ELEM 1005       | CA11                       | Circuit/Relay Malfunction Acceptable |
| 322 | CS     | 1CS-466B-S       | 1FW/X2      | W BF33F           | 1C-158/166/167   | 1C-158   | ELEM 1005       | CA11                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 323 | CS     | 1CS-466C-S       | 1FW/X3      | W BF33F          | 1C-158/166/167   | 1C-158   | ELEM 1005        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 324 | CS     | 1CS-476C-S       | 1FW/X4      | W BF33F          | 1C-158/166/167   | 1C-158   | ELEM 1005        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 325 | CS     | 1CS-480-S        | X/1-V480    | W BF22S          | C-01-1(2)C-04    | 1C-03    | ELEM 779         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 326 | CS     | 1CS-481-S        | X/1-V481    | W BF22S          | C-01-1(2)C-04    | 1C-03    | ELEM 780         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 327 | CS     | 2CS-466A-S       | 2FW/X1      | W BF33F          | 2C-156-158       | 2C-158   | ELEM 1205        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 328 | CS     | 2CS-466B-S       | 2FW/X2      | W BF33F          | 2C-156-158       | 2C-158   | ELEM 1205        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 329 | CS     | 2CS-466C-S       | 2FW/X3      | W BF33F          | 2C-156-158       | 2C-158   | ELEM 1205        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 330 | CS     | 2CS-476C-S       | 2FW/X4      | W BF33F          | 2C-156-158       | 2C-158   | ELEM 1205        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 331 | CS     | 2CS-480-S        | X/2-V480    | W BF11S          | C-01-1(2)C-04    | 2C-03    | ELEM 779         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 332 | CS     | 2CS-481-S        | X/2-V481    | W BF11S          | C-01-1(2)C-04    | 2C-03    | ELEM 780         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 333 | CV     | 1CV-112B-M       | 1B42-3213C  | CONTACTOR        | 1B-32            | 1B32-13C | ELEM 717         | SS                         | Relay GERS or Specific Qualification |
| 334 | CV     | 1CV-112B-M       | 1LC-112B-X  | W BF24F          | 1C-158/166/167   | 1C-158   | W 195A778 SH. 21 | SS                         | Relay GERS or Specific Qualification |
| 335 | CV     | 1CV-112B-M       | 1LC-141B-X  | W BF24F          | 1C-158/166/167   | 1C-158   | W 195A778 SH. 21 | SS                         | Relay GERS or Specific Qualification |
| 336 | CV     | 1CV-200A-S       | 1B52-13A(a) |                  | 1B-03            | 1B52-13A | ELEM 316         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 337 | CV     | 1CV-200A-S       | 1B52-13B(a) |                  | 1B-03            | 1B52-13B | ELEM 316         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 338 | CV     | 1CV-200A-S       | 1B52-20A(a) |                  | 1B-04            | 1B52-20A | ELEM 316A        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 339 | CV     | 1CV-285-M        | 1B42-3210C  | CONTACTOR        | 1B-32            | 1B32-10C | ELEM 715         | CA2                        | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL      | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|-----------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 340 | CV     | 1CV-313-M        | 1B42-327C   | CONTACTOR             | 1B-32            | 1B32-7C  | ELEM 719         | CA13                       | Circuit/Relay Malfunction Acceptable |
| 341 | CV     | 1CV-371-S        | X/1-V371    | W Nbfd55              | C-01-1(2)C-04    | 1C-04    | ELEM 758         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 342 | CV     | 1CV-371A-S       | X/1-V371A   | W BFD55               | C-01-1(2)C-04    | 1C-04    | ELEM 890         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 343 | CV     | 2CV-112B-M       | 2B42-3210J  | CONTACTOR             | 2B-32            | 2B32-10J | ELEM 717         | SS                         | Relay GERS or Specific Qualification |
| 344 | CV     | 2CV-112B-M       | 2LC-112B-X  | W BF24F               | 2C-156-158       | 2C-158   | W 195A778 SH. 31 | SS                         | Relay GERS or Specific Qualification |
| 345 | CV     | 2CV-112B-M       | 2LC-141B-X  | W BF24F               | 2C-156-158       | 2C-158   | W 195A778 SH. 31 | SS                         | Relay GERS or Specific Qualification |
| 346 | CV     | 2CV-200A-S       | 2B52-37A(a) |                       | 2B-03            | 2B52-37A | ELEM 335         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 347 | CV     | 2CV-200A-S       | 2B52-37B(a) |                       | 2B-03            | 2B52-37B | ELEM 335         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 348 | CV     | 2CV-200A-S       | 2MX/P2C     | W BFD44S              | 2B-04            | 2B-04    | ELEM 333         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 349 | CV     | 2CV-285-M        | 2B42-3210C  | CONTACTOR             | 2B-32            | 2B32-10C | ELEM 715         | CA2                        | Circuit/Relay Malfunction Acceptable |
| 350 | CV     | 2CV-313-M        | 2B42-327C   | CONTACTOR             | 2B-32            | 2B32-7C  | ELEM 719         | CA13                       | Circuit/Relay Malfunction Acceptable |
| 351 | CV     | 2CV-371-S        | X/2-V371    | W Nbfd55              | C-01-1(2)C-04    | 2C-04    | ELEM 758         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 352 | CV     | 2CV-371A-S       | X/2-V371A   | W BFD55               | C-01-1(2)C-04    | 2C-04    | ELEM 890         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 353 | DG     | 1A52-60          | 1-74/A60FM  |                       | 1A-05            | 1A52-60  | ELEM 263         | CA4                        | Circuit/Relay Malfunction Acceptable |
| 354 | DG     | 1A52-60          | 51/1A52-60  | W CO-5                | 1A-05            | 1A52-60  | ELEM 263         | SS                         | Relay GERS or Specific Qualification |
| 355 | DG     | 1A52-60          | 86/1A52-60  | W MG-6                | 1A-05            | 1A52-60  | ELEM 263         | SS16                       | Relay GERS or Specific Qualification |
| 356 | DG     | 1A52-60          | X/1A52-60   | W Life Line Contactor | 1A-05            | 1A52-60  | ELEM 263         | SWGR                       | Relays directly control Switchgear   |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL      | RELAY CABINET ID | LOCATION | DRAWING     | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|------------|-----------------------|------------------|----------|-------------|----------------------------|--------------------------------------|
| 357 | DG     | 1A52-60          | Y/1A52-60  | W Life Line Contactor | 1A-05            | 1A52-60  | ELEM 263    | SWGR                       | Relays directly control Switchgear   |
| 358 | DG     | 1A52-66          | 1-74/A66FM |                       | 1A-06            | 1A52-66  | ELEM 263    | CA4                        | Circuit/Relay Malfunction Acceptable |
| 359 | DG     | 1A52-66          | 51/1A52-66 | W CO-5                | 1A-06            | 1A52-66  | ELEM 263    | SS                         | Relay GERS or Specific Qualification |
| 360 | DG     | 1A52-66          | 86/1A52-66 | W MG-6                | 1A-06            | 1A52-66  | ELEM 263    | SS16                       | Relay GERS or Specific Qualification |
| 361 | DG     | 1A52-66          | X/1A52-66  | W Life Line Contactor | 1A-06            | 1A52-66  | ELEM 263    | SWGR                       | Relays directly control Switchgear   |
| 362 | DG     | 1A52-66          | Y/1A52-66  | W Life Line Contactor | 1A-06            | 1A52-66  | ELEM 263    | SWGR                       | Relays directly control Switchgear   |
| 363 | DG     | 2A52-67          | 2-74/A67FM |                       | 2A-06            | 2A52-67  | ELEM 293    | CA4                        | Circuit/Relay Malfunction Acceptable |
| 364 | DG     | 2A52-67          | 51/2A52-67 | W CO-5                | 2A-06            | 2A52-67  | ELEM 293    | SS                         | Relay GERS or Specific Qualification |
| 365 | DG     | 2A52-67          | 86/2A52-67 | W MG-6                | 2A-06            | 2A52-67  | ELEM 293    | SS16                       | Relay GERS or Specific Qualification |
| 366 | DG     | 2A52-67          | X/2A52-67  | W Life Line Contactor | 2A-06            | 2A52-67  | ELEM 293    | SWGR                       | Relays directly control Switchgear   |
| 367 | DG     | 2A52-67          | Y/2A52-67  | W Life Line Contactor | 2A-06            | 2A52-67  | ELEM 293    | SWGR                       | Relays directly control Switchgear   |
| 368 | DG     | 2A52-73          | 2-74/A73FM |                       | 2A-05            | 2A52-73  | ELEM 293    | CA4                        | Circuit/Relay Malfunction Acceptable |
| 369 | DG     | 2A52-73          | 51/2A52-73 | W CO-5                | 2A-05            | 2A52-73  | ELEM 293    | SS                         | Relay GERS or Specific Qualification |
| 370 | DG     | 2A52-73          | 86/2A52-73 | W MG-6                | 2A-05            | 2A52-73  | ELEM 293    | SS16                       | Relay GERS or Specific Qualification |
| 371 | DG     | 2A52-73          | X/2A52-73  | W Life Line Contactor | 2A-05            | 2A52-73  | ELEM 1509   | SV/GR                      | Relays directly control Switchgear   |
| 372 | DG     | 2A52-73          | Y/2A52-73  | W Life Line Contactor | 2A-05            | 2A52-73  | ELEM 293    | SWGR                       | Relays directly control Switchgear   |
| 373 | DG     | G-01             | 40T/G01    | SQ D TYPE EQ          | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID        | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|-----------------|------------------|------------------|----------|----------------|----------------------------|--|
| 374 | DG     | G-01             | 4CV/G01         | W AV             | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 375 | DG     | G-01             | 51C/G01         | W CO-5           | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 376 | DG     | G-01             | 52V/G01         | SQ D TYPE EQ     | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 377 | DG     | G-01             | 51A/G01         | W CO-5           | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 378 | DG     | G-01             | 51B/G01         | W CO-5           | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 379 | DG     | G-01             | 67P1/G01        | W CW             | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 380 | DG     | G-01             | 67P3/G01        | W CW             | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 381 | DG     | G-01             | 67RP/G01        | W CW             | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 382 | DG     | G-01             | AC CONT./G01    | SQ D FAL         | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 383 | DG     | G-01             | AIR COMP./G01   |                  | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 384 | DG     | G-01             | ALARM CONT./G01 | SQ D FAL         | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 385 | DG     | G-01             | ALCP/G01        | VC 36530082-01   | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 386 | DG     | G-01             | ALM/G01         | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 387 | DG     | G-01             | AP/G01          | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 388 | DG     | G-01             | AP1/G01         |                  | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 389 | DG     | G-01             | AP2/G01         |                  | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 390 | DG     | G-01             | CB FT/G01       | SQ D FAL         | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING     | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|----------------|------------------|------------------|----------|-------------|----------------------------|--|
| 391 | DG     | G-01             | CKTMAL/G01     | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 392 | DG     | G-01             | CO/G01         | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 393 | DG     | G-01             | COPS/G01       |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 394 | DG     | G-01             | CP/G01         | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 395 | DG     | G-01             | CPM/G01        | SQ D FAL         | G-01             | C-64     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 396 | DG     | G-01             | CPMC/G01       | CH MODEL 6       | G-01             | C-64     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 397 | DG     | G-01             | CPS/G01        |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 398 | DG     | G-01             | DC CONTROL/G01 | SQ D FAL         | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 399 | DG     | G-01             | DCCP/G01       | VC 36530082-01   | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 400 | DG     | G-01             | ECR/G01        | AGASTAT 2412     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 401 | DG     | G-01             | ECRA/G01       | SQ D TYPE FSD022 | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 402 | DG     | G-01             | ESR1/G01       | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 403 | DG     | G-01             | ESR2/G01       | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 404 | DG     | G-01             | ESTD/G01       | AGASTAT 2422     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 405 | DG     | G-01             | ESTR/G01       | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 406 | DG     | G-01             | ESTX/G01       | W MG-6           | C-34             | C-34     | ELEM 1509   | SS20                       | Relay GERS or Specific Qualification                 |
| 407 | DG     | G-01             | ETS/G01        |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|----------|------------------|------------------|----------|----------------|----------------------------|--|
| 408 | DG     | G-01             | EXC/G01  | SQ D FAL         | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 409 | DG     | G-01             | FFC/G01  | SQ D TYPE EQ     | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 410 | DG     | G-01             | FFCO/G01 | W SV             | C-34             | C-34     | EMD<br>8413730 | CA22                       | Circuit/Relay Malfunction Acceptable                 |
| 411 | DG     | G-01             | FFV/G01  | VC 36530082-01   | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 412 | DG     | G-01             | FP/G01   | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 413 | DG     | G-01             | FPD/G01  | SQ D TYPE EQ     | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 414 | DG     | G-01             | FPR/G01  | VC 12-8336       | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 415 | DG     | G-01             | FSR1/G01 | SQ D TYPE PO     | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 416 | DG     | G-01             | FSR2/G01 | SQ D TYPE PO     | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 417 | DG     | G-01             | FSX/G01  | W MG-6           | C-34             | C-34     | ELEM 1509      | SS20                       | Relay GERS or Specific Qualification                 |
| 418 | DG     | G-01             | FT/G01   | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 419 | DG     | G-01             | FTC1/G01 | CH MODEL 6       | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 420 | DG     | G-01             | FTC2/G01 | CH MODEL 6       | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 421 | DG     | G-01             | FTH/G01  | VC 36530082-01   | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 422 | DG     | G-01             | FTL/G01  | VC 36530082-01   | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 423 | DG     | G-01             | FTSH/G01 | MAGNETROL        | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 424 | DG     | G-01             | FTSL/G01 | MAGNETROL        | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|--------------|------------------|------------------|----------|----------------|----------------------------|--|
| 425 | DG     | G-01             | FTSN/G01     | MAGNETROL        | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 426 | DG     | G-01             | FTT/G01      | W BF42F          | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 427 | DG     | G-01             | GB/G01       | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 428 | DG     | G-01             | GBA/G01      | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 429 | DG     | G-01             | GCS L/G01    |                  | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 430 | DG     | G-01             | GCS R/G01    |                  | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 431 | DG     | G-01             | GOV. SOL/G01 |                  | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 432 | DG     | G-01             | GP/G01       | VC 36530082-01   | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 433 | DG     | G-01             | GPA/G01      | W BFD22S         | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 434 | DG     | G-01             | GS/G01       | VC 36530082-01   | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 435 | DG     | G-01             | HE/G01       | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 436 | DG     | G-01             | HS/G01       |                  | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 437 | DG     | G-01             | IHC/G01      | CH 9560ED139     | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 438 | DG     | G-01             | LFP1/G01     |                  | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 439 | DG     | G-01             | LFP2/G01     |                  | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 440 | DG     | G-01             | LOL/G01      |                  | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 441 | DG     | G-01             | LOT/G01      | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID  | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING     | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|-----------|------------------|------------------|----------|-------------|----------------------------|--|
| 442 | DG     | G-01             | LOTS/G01  |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 443 | DG     | G-01             | LS/G01    |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 444 | DG     | G-01             | LW/G01    | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 445 | DG     | G-01             | LWD/G01   | AGASTAT 2412     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 446 | DG     | G-01             | LWS/G01   |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 447 | DG     | G-01             | MB1/G01   |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 448 | DG     | G-01             | MB2/G01   |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 449 | DG     | G-01             | MB3/G01   |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 450 | DG     | G-01             | MB4/G01   |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 451 | DG     | G-01             | MBX1/G01  | VC 36530082-01   | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 452 | DG     | G-01             | MBX2/G01  | VC 36530082-01   | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 453 | DG     | G-01             | MFP1/G01  |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 454 | DG     | G-01             | MFP2/G01  |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 455 | DG     | G-01             | MSR1/G01  | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 456 | DG     | G-01             | MSR2/G01  | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 457 | DG     | G-01             | MVST1/G01 |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 458 | DG     | G-01             | MVST2/G01 |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|--------------|------------------|------------------|----------|----------------|----------------------------|--|
| 459 | DG     | G-01             | NFLD/G01     | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 460 | DG     | G-01             | NFLDA/G01    | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 461 | DG     | G-01             | NOT AUTO/G01 | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 462 | DG     | G-01             | NVR/G01      | VC 36530082-01   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 463 | DG     | G-01             | OC/G01       | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 464 | DG     | G-01             | OL CPM/G01   | DELTA CONTROLS   | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 465 | DG     | G-01             | OL SPM/G01   | THERMAL OL       | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 466 | DG     | G-01             | OL/G01       | THERMAL OL       | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 467 | DG     | G-01             | OL1/G01      | THERMAL OL       | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 468 | DG     | G-01             | OL2/G01      | THERMAL OL       | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 469 | DG     | G-01             | OLIH/G01     | THERMAL OL       | G-01             | C-64     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 470 | DG     | G-01             | OP/G01       | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 471 | DG     | G-01             | OT/G01       | DELTA CONTROLS   | G-01             | C-64A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 472 | DG     | G-01             | OTR/G01      | SQ D TYPE PO     | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 473 | DG     | G-01             | OTS/G01      |                  | G-01             | G-01     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 474 | DG     | G-01             | PFD1/G01     | SQ D TYPE EQ     | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 475 | DG     | G-01             | PFD2/G01     | SQ D TYPE EQ     | C-34             | C-34     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID      | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING     | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|---------------|------------------|------------------|----------|-------------|----------------------------|--|
| 476 | DG     | G-01             | PFDA1/G01     | SQ D TYPE EQ     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 477 | DG     | G-01             | PFDA2/G01     | SQ D TYPE EQ     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 478 | DG     | G-01             | RAW WATER/G01 | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 479 | DG     | G-01             | RESET/G01     |                  | G-01             | C-64A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 480 | DG     | G-01             | RP/G01        | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 481 | DG     | G-01             | RWS/G01       |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 482 | DG     | G-01             | SCR/G01       | SQ D TYPE EQ     | G-01             | C-64     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 483 | DG     | G-01             | SF/G01        | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 484 | DG     | G-01             | SFA/G01       | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 485 | DG     | G-01             | SFB1/G01      | AGASTAT 7012     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 486 | DG     | G-01             | SFB2/G01      | AGASTAT 7012     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 487 | DG     | G-01             | SFD1/G01      | SQ D TYPE EQ     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 488 | DG     | G-01             | SFD2/G01      | SQ D TYPE EQ     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 489 | DG     | G-01             | SPMC/G01      | CH TYPE M        | G-01             | C-64     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 490 | DG     | G-01             | SSP1/G01      | EMD              | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 491 | DG     | G-01             | SSP2/G01      | EMD              | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 492 | DG     | G-01             | START1/G01    | SQ D FAL         | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING     | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|------------|------------------|------------------|----------|-------------|----------------------------|--|
| 493 | DG     | G-01             | START2/G01 | SQ D FAL         | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 494 | DG     | G-01             | STCP1/G01  | VC 36530082-01   | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 495 | DG     | G-01             | STCP2/G01  | VC 36530082-01   | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 496 | DG     | G-01             | STL01/G01  | SQ D TYPE EQ     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 497 | DG     | G-01             | STL02/G01  | SQ D TYPE EQ     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 498 | DG     | G-01             | STR1/G01   | VC 36530082-01   | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 499 | DG     | G-01             | STR2/G01   | VC 12-8336       | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 500 | DG     | G-01             | TB/G01     | TEMP SW          | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 501 | DG     | G-01             | TO/G01     | DELTA CONTROLS   | G-01             | C-64A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 502 | DG     | G-01             | TOS/G01    |                  | G-01             | G-01     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 503 | DG     | G-01             | VSD1/G01   | SQ D TYPE EQ     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 504 | DG     | G-01             | VSD2/G01   | SQ D TYPE EQ     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 505 | DG     | G-01             | VSR1/G01   | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 506 | DG     | G-01             | VSR2/G01   | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 507 | DG     | G-01             | ZSR1/G01   | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 508 | DG     | G-01             | ZSR2/G01   | SQ D TYPE PO     | C-34             | C-34     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 509 | DG     | G-02             | 40T/G02    | SQ D TYPE EQ     | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID        | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING     | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|-----------------|------------------|------------------|----------|-------------|----------------------------|--|
| 510 | DG     | G-02             | 40V/G02         | W AV             | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 511 | DG     | G-02             | 51C/G02         | W CO-5           | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 512 | DG     | G-02             | 52V/G02         | SQ D TYPE EQ     | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 513 | DG     | G-02             | 51A/G02         | W CO-5           | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 514 | DG     | G-02             | 51B/G02         | W CO-5           | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 515 | DG     | G-02             | 67P1/G02        | W CW             | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 516 | DG     | G-02             | 67P3/G02        | W CW             | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 517 | DG     | G-02             | 67RP/G02        | W CW             | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 518 | DG     | G-02             | AC CONT./G02    | SQ D FAL         | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 519 | DG     | G-02             | AIR COMP./G02   |                  | G-02             | C-65     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 520 | DG     | G-02             | ALARM CONT./G02 | SQ D FAL         | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 521 | DG     | G-02             | ALCP/G02        | VC 36530082-01   | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 522 | DG     | G-02             | ALM/G02         | DELTA CONTROLS   | G-02             | C-65A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 523 | DG     | G-02             | AP/G02          | DELTA CONTROLS   | G-02             | C-65A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 524 | DG     | G-02             | AP1/G02         |                  | G-02             | G-02     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 525 | DG     | G-02             | AP2/G02         |                  | G-02             | G-02     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 526 | DG     | G-02             | CB FT/G02       | SQ D FAL         | G-02             | C-65     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING   |
|-----|--------|------------------|----------------|------------------|------------------|----------|----------------|----------------------------|---|
| 527 | DG     | G-02             | CKTMAL/G02     | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction<br>Acceptable                 |
| 528 | DG     | G-02             | CO/G02         | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction<br>Acceptable                 |
| 529 | DG     | G-02             | COPS/G02       |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel<br>Generator or Air Compressor |
| 530 | DG     | G-02             | CP/G02         | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction<br>Acceptable                 |
| 531 | DG     | G-02             | CPM/G02        | SQ D FAL         | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel<br>Generator or Air Compressor |
| 532 | DG     | G-02             | CPMC/G02       | CH MODEL 6       | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel<br>Generator or Air Compressor |
| 533 | DG     | G-02             | CPS/G02        |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel<br>Generator or Air Compressor |
| 534 | DG     | G-02             | DC CONTROL/G02 | SQ D FAL         | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific<br>Qualification                 |
| 535 | DG     | G-02             | DCCP/G02       | VC 36530082-01   | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific<br>Qualification                 |
| 536 | DG     | G-02             | ECR/G02        | AGASTAT 2412     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific<br>Qualification                 |
| 537 | DG     | G-02             | ECRA/G02       | SQ D TYPE FSD022 | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific<br>Qualification                 |
| 538 | DG     | G-02             | ESR1/G02       | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific<br>Qualification                 |
| 539 | DG     | G-02             | ESR2/G02       | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific<br>Qualification                 |
| 540 | DG     | G-02             | ESTD/G02       | AGASTAT 2422     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific<br>Qualification                 |
| 541 | DG     | G-02             | ESTR/G02       | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific<br>Qualification                 |
| 542 | DG     | G-02             | ESTX/G02       | W MG-6           | C-35             | C-35     | ELEM 1509      | SS20                       | Relay GERS or Specific<br>Qualification                 |
| 543 | DG     | G-02             | ETS/G02        |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel<br>Generator or Air Compressor |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|----------|------------------|------------------|----------|----------------|----------------------------|--|
| 544 | DG     | G-02             | EXC/G02  | SQ D FAL         | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 545 | DG     | G-02             | FFC/G02  | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 546 | DG     | G-02             | FFCO/G02 | W SV             | C-35             | C-35     | EMD<br>8413730 | CA22                       | Circuit/Relay Malfunction Acceptable                 |
| 547 | DG     | G-02             | FFV/G02  | VC 36530082-01   | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 548 | DG     | G-02             | FP/G02   | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 549 | DG     | G-02             | FPD/G02  | SQ D TYPE EQ     | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 550 | DG     | G-02             | FPR/G02  | VC 12-8336       | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 551 | DG     | G-02             | FSR1/G02 | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 552 | DG     | G-02             | FSR2/G02 | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 553 | DG     | G-02             | FSX/G02  | W MG-6           | C-35             | C-35     | ELEM 1509      | SS20                       | Relay GERS or Specific Qualification                 |
| 554 | DG     | G-02             | FT/G02   | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 555 | DG     | G-02             | FTC1/G02 | CH MODEL 6       | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 556 | DG     | G-02             | FTC2/G02 | CH MODEL 6       | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 557 | DG     | G-02             | FTH/G02  | VC 36530082-01   | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 558 | DG     | G-02             | FTL/G02  | VC 36530082-01   | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 559 | DG     | G-02             | FTSH/G02 | MAGNETROL        | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 560 | DG     | G-02             | FTSL/G02 | MAGNETROL        | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING     | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|--------------|------------------|------------------|----------|-------------|----------------------------|--|
| 561 | DG     | G-02             | FTSN/G02     | MAGNETROL        | G-02             | G-02     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 562 | DG     | G-02             | FTT/G02      | W BF42F          | G-02             | C-65     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 563 | DG     | G-02             | GB/G02       | DELTA CONTROLS   | G-02             | C-65A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 564 | DG     | G-02             | GBA/G02      | DELTA CONTROLS   | G-02             | C-65A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 565 | DG     | G-02             | GCS L/G02    |                  | G-02             | C-65     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 566 | DG     | G-02             | GCS R/G02    |                  | G-02             | C-65     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 567 | DG     | G-02             | GOV. SOL/G02 |                  | G-02             | G-02     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 568 | DG     | G-02             | GP/G02       | VC 36530082-01   | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 569 | DG     | G-02             | GPA/G02      | W BFD22S         | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 570 | DG     | G-02             | GS/G02       | VC 36530082-01   | C-35             | C-35     | EMD 8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 571 | DG     | G-02             | HE/G02       | DELTA CONTROLS   | G-02             | C-65A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 572 | DG     | G-02             | HS/G02       |                  | G-02             | G-02     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 573 | DG     | G-02             | IHC/G02      | CH 9560ED139     | G-02             | C-65     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 574 | DG     | G-02             | LFP1/G02     |                  | G-02             | G-02     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 575 | DG     | G-02             | LFP2/G02     |                  | G-02             | G-02     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 576 | DG     | G-02             | LOL/G02      |                  | G-02             | G-02     | EMD 8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 577 | DG     | G-02             | LOT/G02      | DELTA CONTROLS   | G-02             | C-65A    | EMD 8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID  | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|-----------|------------------|------------------|----------|----------------|----------------------------|--|
| 578 | DG     | G-02             | LOTS/G02  |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 579 | DG     | G-02             | LS/G02    |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 580 | DG     | G-02             | LW/G02    | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 581 | DG     | G-02             | LWD/G02   | AGASTAT 2412     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 582 | DG     | G-02             | LWS/G02   |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 583 | DG     | G-02             | MB1/G02   |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 584 | DG     | G-02             | MB2/G02   |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 585 | DG     | G-02             | MB3/G02   |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 586 | DG     | G-02             | MB4/G02   |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 587 | DG     | G-02             | MBX1/G02  | VC 36530082-01   | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 588 | DG     | G-02             | MBX2/G02  | VC 36530082-01   | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 589 | DG     | G-02             | MFP1/G02  |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 590 | DG     | G-02             | MFP2/G02  |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 591 | DG     | G-02             | MSR1/G02  | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 592 | DG     | G-02             | MSR2/G02  | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 593 | DG     | G-02             | MVST1/G02 |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 594 | DG     | G-02             | MVST2/G02 |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|--------------|------------------|------------------|----------|----------------|----------------------------|--|
| 595 | DG     | G-02             | NFLD/G02     | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 596 | DG     | G-02             | NFLDA/G02    | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 597 | DG     | G-02             | NOT AUTO/G02 | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 598 | DG     | G-02             | NVR/G02      | VC 36530082-01   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 599 | DG     | G-02             | OC/G02       | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 600 | DG     | G-02             | OL CPM/G02   | DELTA CONTROLS   | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 601 | DG     | G-02             | OL SPM/G02   | THERMAL OL       | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 602 | DG     | G-02             | OL/G02       | THERMAL OL       | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 603 | DG     | G-02             | OL1/G02      | THERMAL OL       | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 604 | DG     | G-02             | OL2/G02      | THERMAL OL       | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 605 | DG     | G-02             | OLIH/G02     | THERMAL OL       | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 606 | DG     | G-02             | OP/G02       | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 607 | DG     | G-02             | OT/G02       | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 608 | DG     | G-02             | OTR/G02      | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 609 | DG     | G-02             | OTS/G02      |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 610 | DG     | G-02             | PFD1/G02     | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 611 | DG     | G-02             | PFD2/G02     | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID      | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|---------------|------------------|------------------|----------|----------------|----------------------------|--|
| 612 | DG     | G-02             | PFDA1/G02     | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 613 | DG     | G-02             | PFDA2/G02     | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 614 | DG     | G-02             | RAW WATER/G02 | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 615 | DG     | G-02             | RESET/G02     |                  | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 616 | DG     | G-02             | RP/G02        | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 617 | DG     | G-02             | RWS/G02       |                  | G-02             | G-02     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 618 | DG     | G-02             | SCR/G02       | SQ D TYPE EQ     | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 619 | DG     | G-02             | SF/G02        | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 620 | DG     | G-02             | SFA/G02       | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 621 | DG     | G-02             | SFB1/G02      | AGASTAT 7012     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 622 | DG     | G-02             | SFB2/G02      | AGASTAT 7012     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 623 | DG     | G-02             | SFD1/G02      | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 624 | DG     | G-02             | SFD2/G02      | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 625 | DG     | G-02             | SPMC/G02      | CH TYPE M        | G-02             | C-65     | EMD<br>8413730 | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 626 | DG     | G-02             | SSP1/G02      | EMD              | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 627 | DG     | G-02             | SSP2/G02      | EMD              | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |
| 628 | DG     | G-02             | START1/G02    | SQ D FAL         | C-35             | C-35     | EMD<br>8413730 | SS                         | Relay GERS or Specific Qualification                 |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING            | SCREENING CODE (w/ note #) | SCREENING  |
|-----|--------|------------------|------------|------------------|------------------|----------|--------------------|----------------------------|--|
| 629 | DG     | G-02             | START2/G02 | SQ D FAL         | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 630 | DG     | G-02             | STCP1/G02  | VC 36530082-01   | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 631 | DG     | G-02             | STCP2/G02  | VC 36530082-01   | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 632 | DG     | G-02             | STLO1/G02  | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 633 | DG     | G-02             | STLO2/G02  | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 634 | DG     | G-02             | STR1/G02   | VC 36530082-01   | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 635 | DG     | G-02             | STR2/G02   | VC 12-8336       | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 636 | DG     | G-02             | TB/G02     | TEMP SW          | G-02             | G-02     | EMD<br>8413730     | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 637 | DG     | G-02             | TO/G02     | DELTA CONTROLS   | G-02             | C-65A    | EMD<br>8413730     | CA4                        | Circuit/Relay Malfunction Acceptable                 |
| 638 | DG     | G-02             | TOS/G02    |                  | G-02             | G-02     | EMD<br>8413730     | SS                         | Relays mounted on Diesel Generator or Air Compressor |
| 639 | DG     | G-02             | VSD1/G02   | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 640 | DG     | G-02             | VSD2/G02   | SQ D TYPE EQ     | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 641 | DG     | G-02             | VSR1/G02   | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 642 | DG     | G-02             | VSR2/G02   | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 643 | DG     | G-02             | ZSR1/G02   | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 644 | DG     | G-02             | ZSR2/G02   | SQ D TYPE PO     | C-35             | C-35     | EMD<br>8413730     | SS                         | Relay GERS or Specific Qualification                 |
| 645 | ESF    |                  | 1-71A/BAT  | W BFD44S         | 1C-156-157       | 1C-157   | W 110E163<br>SH.11 | SS                         | Relay GERS or Specific Qualification                 |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID  | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-----------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 646 | ESF    |                  | 1-71B/BAT | W BFD44S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.11  | SS                         | Relay GERS or Specific Qualification |
| 647 | ESF    |                  | 1-74/TBA  | W BFD02S         | 1C-156-157       | 1C-157   | W 110E163 SH.12  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 648 | ESF    |                  | 1-74/TBB  | W BFD02S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.12  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 649 | ESF    |                  | 1-74/XA   | W BFD22S         | 1C-156-157       | 1C-157   | W 110E163 SH.8   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 650 | ESF    |                  | 1-74/XB   | W BFD22S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.8   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 651 | ESF    |                  | 1-74X/A3  | ASEA RXMA1       | 1C-20            | 1C-20    | ELEM 1651        | CA18                       | Circuit/Relay Malfunction Acceptable |
| 652 | ESF    |                  | 1-74X/B3  | ASEA RXMA1       | 1C-20            | 1C-20    | ELEM 1651        | CA18                       | Circuit/Relay Malfunction Acceptable |
| 653 | ESF    |                  | 1AFW-12X  | W BFD22S         | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 654 | ESF    |                  | 1AFW-22X  | W BFD22S         | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 655 | ESF    |                  | 1CI-10X   | W BFD48S         | 1C-156-157       | 1C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 656 | ESF    |                  | 1CI-11X   | W BFD48S         | 1C-156-157       | 1C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 657 | ESF    |                  | 1CI-12X   | W BFD48S         | 1C-156-157       | 1C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 658 | ESF    |                  | 1CI-20X   | W BFD48S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 659 | ESF    |                  | 1CI-21X   | W BFD48S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 660 | ESF    |                  | 1CI-22X   | W BFD48S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 661 | ESF    |                  | 1CI-A     | W MG-6           | 1C-156-157       | 1C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 662 | ESF    |                  | 1CI-B     | W MG-6           | 1C-158/166/167   | 1C-166   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|----------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 663 | ESF    |                  | 1CIR-A   | W BFD22S         | 1C-156-157       | 1C-157   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 664 | ESF    |                  | 1CIR-B   | W BFD22S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 665 | ESF    |                  | 1CP-A    | W NBFD65NR       | 1C-156-157       | 1C-157   | W 110E163 SH.7A | SS                         | Relay GERS or Specific Qualification |
| 666 | ESF    |                  | 1CP-A-X  | W NBFD65NR       | C-01-1(2)C-04    | 1C-03    | W 110E163 SH.7A | SS                         | Relay GERS or Specific Qualification |
| 667 | ESF    |                  | 1CP-B    | W NBFD65NR       | 1C-158/166/167   | 1C-167   | W 110E163 SH.7A | SS                         | Relay GERS or Specific Qualification |
| 668 | ESF    |                  | 1CP-B-X  | W NBFD65NR       | C-01-1(2)C-04    | 1C-03    | W 110E163 SH.7A | SS                         | Relay GERS or Specific Qualification |
| 669 | ESF    |                  | 1CS-10X  | W BFD64S         | 1C-156-157       | 1C-157   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 670 | ESF    |                  | 1CS-20X  | W BFD64S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 671 | ESF    |                  | 1CS-A    | W MG-6           | 1C-156-157       | 1C-157   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 672 | ESF    |                  | 1CS-B    | W MG-6           | 1C-158/166/167   | 1C-166   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 673 | ESF    |                  | 1F-10X   | W BFD33S         | 1C-156-157       | 1C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 674 | ESF    |                  | 1F-20X   | W BFD33S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 675 | ESF    |                  | 1F-30X   | W BFD33S         | 1C-156-157       | 1C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 676 | ESF    |                  | 1F-40X   | W BFD33S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 677 | ESF    |                  | 1FA-1    | W MG-6           | 1C-156-157       | 1C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 678 | ESF    |                  | 1FA-2    | W MG-6           | 1C-156-157       | 1C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 679 | ESF    |                  | 1FB-1    | W MG-6           | 1C-158/166/167   | 1C-166   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 680 | ESF    |                  | 1FB-2       | W MG-6           | 1C-158/166/167   | 1C-166   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 681 | ESF    |                  | 1FC-464A-XA | W BF44F          | 1C-156-157       | 1C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 682 | ESF    |                  | 1FC-464A-XB | W BF44F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 683 | ESF    |                  | 1FC-464B-XA | W BF44F          | 1C-156-157       | 1C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 684 | ESF    |                  | 1FC-464B-XB | W BF44F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 685 | ESF    |                  | 1FC-465A-XA | W BF44F          | 1C-156-157       | 1C-157   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 686 | ESF    |                  | 1FC-465A-XB | W BF44F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 687 | ESF    |                  | 1FC-465B-XA | W BF44F          | 1C-156-157       | 1C-157   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 688 | ESF    |                  | 1FC-465B-XB | W BF44F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 689 | ESF    |                  | 1FC-474A-XA | W BF44F          | 1C-156-157       | 1C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 690 | ESF    |                  | 1FC-474A-XB | W BF44F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 691 | ESF    |                  | 1FC-474B-XA | W BF44F          | 1C-156-157       | 1C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 692 | ESF    |                  | 1FC-474B-XB | W BF44F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 693 | ESF    |                  | 1FC-475A-XA | W BF44F          | 1C-156-157       | 1C-157   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 694 | ESF    |                  | 1FC-475A-XB | W BF44F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 695 | ESF    |                  | 1FC-475B-XA | W BF44F          | 1C-156-157       | 1C-157   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 696 | ESF    |                  | 1FC-475B-XB | W BF44F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 697 | ESF    |                  | 1LC-102C-XA | W BF42F          | 1C-156-157       | 1C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 698 | ESF    |                  | 1LC-102C-XB | W BF42F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 699 | ESF    |                  | 1LC-106C-XA | W BF42F          | 1C-156-157       | 1C-156   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 700 | ESF    |                  | 1LC-106C-XB | W BF42F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 701 | ESF    |                  | 1LC-171C-XA | W BF42F          | 1C-156-157       | 1C-156   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 702 | ESF    |                  | 1LC-171C-XB | W BF42F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 703 | ESF    |                  | 1LC-172C-XA | W BF42F          | 1C-156-157       | 1C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 704 | ESF    |                  | 1LC-172C-XB | W BF42F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 705 | ESF    |                  | 1LC-189C-XA | W BF42F          | 1C-156-157       | 1C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 706 | ESF    |                  | 1LC-189C-XB | W BF42F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 707 | ESF    |                  | 1LC-190C-XA | W BF42F          | 1C-156-157       | 1C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 708 | ESF    |                  | 1LC-190C-XB | W BF42F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 709 | ESF    |                  | 1LC-426B-XA | W BF46F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 710 | ESF    |                  | 1LC-426B-XB | W BF46F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 711 | ESF    |                  | 1LC-427C-XA | W BF46F          | 1C-156-157       | 1C-157   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 712 | ESF    |                  | 1LC-427C-XB | W BF46F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 713 | ESF    |                  | 1LC-428E-XA | W BF46F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 714 | ESF    |                  | 1LC-428E-XB | W BF46F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 715 | ESF    |                  | 1LC-461A-XA | W BF44F          | 1C-156-157       | 1C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 716 | ESF    |                  | 1LC-461A-XB | W BF44F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 717 | ESF    |                  | 1LC-462B-XA | W BF55F          | 1C-156-157       | 1C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 718 | ESF    |                  | 1LC-462B-XB | W BF55F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 719 | ESF    |                  | 1LC-463D-XA | W BF55F          | 1C-156-157       | 1C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 720 | ESF    |                  | 1LC-463D-XB | W BF55F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 721 | ESF    |                  | 1LC-471A-XA | W BF44F          | 1C-156-157       | 1C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 722 | ESF    |                  | 1LC-471A-XB | W BF44F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 723 | ESF    |                  | 1LC-472B-XA | W BF55F          | 1C-156-157       | 1C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 724 | ESF    |                  | 1LC-472B-XB | W BF55F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 725 | ESF    |                  | 1LC-473D-XA | W BF55F          | 1C-156-157       | 1C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 726 | ESF    |                  | 1LC-473D-XB | W BF55F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 727 | ESF    |                  | 1MS-A1      | W BFD33S         | 1C-156-157       | 1C-157   | W 110E163 SH.8 | SS                         | Relay GERS or Specific Qualification |
| 728 | ESF    |                  | 1MS-A2      | W BFD33S         | 1C-156-157       | 1C-157   | W 110E163 SH.8 | SS                         | Relay GERS or Specific Qualification |
| 729 | ESF    |                  | 1MS-B1      | W BFD33S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.8 | SS                         | Relay GERS or Specific Qualification |
| 730 | ESF    |                  | 1MS-B2      | W BFD33S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.8 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 731 | ESF    |                  | 1P32A-XA    | W BF62F          | 1C-156-157       | 1C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 732 | ESF    |                  | 1P32A-XB    | W BF62F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 733 | ESF    |                  | 1P32B-XA    | W BF62F          | 1C-156-157       | 1C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 734 | ESF    |                  | 1P32B-XB    | W BF62F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 735 | ESF    |                  | 1P32C-XA    | W BF62F          | 1C-156-157       | 1C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 736 | ESF    |                  | 1P32C-XB    | W BF62F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 737 | ESF    |                  | 1P32D-XA    | W BF62F          | 1C-156-157       | 1C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 738 | ESF    |                  | 1P32D-XB    | W BF62F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 739 | ESF    |                  | 1P32E-XA    | W BF62F          | 1C-156-157       | 1C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 740 | ESF    |                  | 1P32E-XB    | W BF62F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 741 | ESF    |                  | 1P32F-XA    | W BF62F          | 1C-156-157       | 1C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 742 | ESF    |                  | 1P32F-XB    | W BF62F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 743 | ESF    |                  | 1PC-428B-XA | W BF53F          | 1C-156-157       | 1C-156   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 744 | ESF    |                  | 1PC-428B-XB | W BF53F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 745 | ESF    |                  | 1PC-429C-XA | W BF46F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 746 | ESF    |                  | 1PC-429C-XB | W BF46F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 747 | ESF    |                  | 1PC-430E-XA | W BF46F          | 1C-156-157       | 1C-157   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 748 | ESF    |                  | 1PC-430E-XB | W BF46F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 749 | ESF    |                  | 1PC-430F-XA | W BF66F          | 1C-156-157       | 1C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 750 | ESF    |                  | 1PC-430F-XB | W BF66F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 751 | ESF    |                  | 1PC-431G-XA | W BF46F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 752 | ESF    |                  | 1PC-431G-XB | W BF46F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 753 | ESF    |                  | 1PC-431I-XA | W BF66F          | 1C-156-157       | 1C-156   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 754 | ESF    |                  | 1PC-431I-XB | W BF66F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 755 | ESF    |                  | 1PC-468A-XA | W BF46F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 756 | ESF    |                  | 1PC-468A-XB | W BF46F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 757 | ESF    |                  | 1PC-469A-XA | W BF48F          | 1C-156-157       | 1C-157   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 758 | ESF    |                  | 1PC-469A-XB | W BF48F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 759 | ESF    |                  | 1PC-478A-XA | W BF46F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 760 | ESF    |                  | 1PC-478A-XB | W BF46F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 761 | ESF    |                  | 1PC-479A-XA | W BF48F          | 1C-156-157       | 1C-157   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 762 | ESF    |                  | 1PC-479A-XB | W BF48F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 763 | ESF    |                  | 1PC-482A-XA | W BF48F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 764 | ESF    |                  | 1PC-482A-XB | W BF48F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 765 | ESF    |                  | 1PC-483A-XA | W BF48F          | 1C-156-157       | 1C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 766 | ESF    |                  | 1PC-483A-XB | W BF48F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 767 | ESF    |                  | 1PC-628-XA  | W BF22F          | 1C-156-157       | 1C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 768 | ESF    |                  | 1PC-629-XB  | W BF22F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 769 | ESF    |                  | 1PC-945A-XA | W BF46F          | 1C-156-157       | 1C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 770 | ESF    |                  | 1PC-945A-XB | W BF46F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 771 | ESF    |                  | 1PC-945B-XA | W BF44F          | 1C-156-157       | 1C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 772 | ESF    |                  | 1PC-945B-XB | W BF44F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 773 | ESF    |                  | 1PC-946A-XA | W BF46F          | 1C-156-157       | 1C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 774 | ESF    |                  | 1PC-946A-XB | W BF46F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 775 | ESF    |                  | 1PC-946B-XA | W BF44F          | 1C-156-157       | 1C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 776 | ESF    |                  | 1PC-946B-XB | W BF44F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 777 | ESF    |                  | 1PC-947A-XA | W BF48F          | 1C-156-157       | 1C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 778 | ESF    |                  | 1PC-947A-XB | W BF48F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 779 | ESF    |                  | 1PC-947B-XA | W BF55F          | 1C-156-157       | 1C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 780 | ESF    |                  | 1PC-947B-XB | W BF55F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 781 | ESF    |                  | 1PC-948A-XA | W BF48F          | 1C-156-157       | 1C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 782 | ESF    |                  | 1PC-948A-XB | W BF48F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 783 | ESF    |                  | 1PC-948B-XA | W BF55F          | 1C-156-157       | 1C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 784 | ESF    |                  | 1PC-948B-XB | W BF55F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 785 | ESF    |                  | 1PC-949A-XA | W BF48F          | 1C-156-157       | 1C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 786 | ESF    |                  | 1PC-949A-XB | W BF48F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 787 | ESF    |                  | 1PC-949B-XA | W BF55F          | 1C-156-157       | 1C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 788 | ESF    |                  | 1PC-949B-XB | W BF55F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 789 | ESF    |                  | 1PC-950A-XA | W BF48F          | 1C-156-157       | 1C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 790 | ESF    |                  | 1PC-950A-XB | W BF48F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 791 | ESF    |                  | 1PC-950B-XA | W BF55F          | 1C-156-157       | 1C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 792 | ESF    |                  | 1PC-950B-XB | W BF55F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 793 | ESF    |                  | 1SI-10X     | W BFD84S         | 1C-156-157       | 1C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |
| 794 | ESF    |                  | 1SI-11X     | W BFD84S         | 1C-156-157       | 1C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |
| 795 | ESF    |                  | 1SI-12X     | W BFD84S         | 1C-156-157       | 1C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |
| 796 | ESF    |                  | 1SI-13X     | W BFD84S         | 1C-156-157       | 1C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |
| 797 | ESF    |                  | 1SI-14X     | W BFD84S         | 1C-156-157       | 1C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |
| 798 | ESF    |                  | 1SI-20X     | W BFD84S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 799 | ESF    |                  | 1SI-21X     | W BFD84S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 800 | ESF    |                  | 1SI-22X     | W BFD84S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 801 | ESF    |                  | 1SI-23X     | W BFD84S         | 1C-158/163/167   | 1C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 802 | ESF    |                  | 1SI-24X     | W BFD84S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 803 | ESF    |                  | 1SIA-A      | W MG-6           | 1C-156-157       | 1C-156   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 804 | ESF    |                  | 1SIA-B      | W MG-6           | 1C-158/166/167   | 1C-166   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 805 | ESF    |                  | 1SIB-A      | W BFD75S         | 1C-156-157       | 1C-156   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 806 | ESF    |                  | 1SIB-B      | W BFD75S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 807 | ESF    |                  | 1SIM-A      | W MG-6           | 1C-156-157       | 1C-157   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 808 | ESF    |                  | 1SIM-B      | W MG-6           | 1C-158/166/167   | 1C-166   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 809 | ESF    |                  | 1SIR-A      | W Nbfd65NR       | 1C-156-157       | 1C-157   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 810 | ESF    |                  | 1SIR-B      | W Nbfd65NR       | 1C-158/166/167   | 1C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 811 | ESF    |                  | 1SW-A       | W BFD22S         | 1C-156-157       | 1C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 812 | ESF    |                  | 1SW-AX      | W BFD42S         | 1C-156-157       | 1C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 813 | ESF    |                  | 1SW-B       | W BFD22S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 814 | ESF    |                  | 1SW-BX      | W BFD42S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 815 | ESF    |                  | 1TC-401D-XA | W BF66F          | 1C-156-157       | 1C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 816 | ESF    |                  | 1TC-401D-XB | W BF66F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 817 | ESF    |                  | 1TC-402D-XA | W BF66F          | 1C-156-157       | 1C-157   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 818 | ESF    |                  | 1TC-402D-XB | W BF66F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 819 | ESF    |                  | 1TC-403D-XA | W BF66F          | 1C-156-157       | 1C-156   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 820 | ESF    |                  | 1TC-403D-XB | W BF66F          | 1C-158/166/167   | 1C-166   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 821 | ESF    |                  | 1TC-404D-XA | W BF66F          | 1C-156-157       | 1C-157   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 822 | ESF    |                  | 1TC-404D-XB | W BF66F          | 1C-158/166/167   | 1C-167   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 823 | ESF    |                  | 1TDR-10     | AGASTAT 2412PD   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 824 | ESF    |                  | 1TDR-11     | AGASTAT 2412PD   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 825 | ESF    |                  | 1TDR-12     | AGASTAT 2412PE   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 826 | ESF    |                  | 1TDR-13     | AGASTAT 2412PD   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 827 | ESF    |                  | 1TDR-14     | AGASTAT 2412PD   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 828 | ESF    |                  | 1TDR-15     | AGASTAT 2412PE   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 829 | ESF    |                  | 1TDR-16     | AGASTAT 2412PE   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 830 | ESF    |                  | 1TDR-17     | AGASTAT 2412PE   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 831 | ESF    |                  | 1TDR-18     | AGASTAT 2412PD   | 1C-156-157       | 1C-156   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 832 | ESF    |                  | 1TDR-19     | AGASTAT 2412PE   | 1C-156-157       | 1C-157   | W 110E163 SH.7   | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|----------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 833 | ESF    |                  | 1TDR-20  | AGASTAT 2412PD   | 1C-158/166/167   | 1C-166   | W 110E163 SH.10  | SS                         | Relay GERS or Specific Qualification |
| 834 | ESF    |                  | 1TDR-21  | AGASTAT 2412PD   | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 835 | ESF    |                  | 1TDR-22  | AGASTAT 2412PE   | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 836 | ESF    |                  | 1TDR-23  | AGASTAT 2412PD   | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 837 | ESF    |                  | 1TDR-24  | AGASTAT 2412PD   | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 838 | ESF    |                  | 1TDR-25  | AGASTAT 2412PE   | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 839 | ESF    |                  | 1TDR-26  | AGASTAT 2412PE   | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 840 | ESF    |                  | 1TDR-27  | AGASTAT 2412PE   | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 841 | ESF    |                  | 1TDR-28  | AGASTAT 2412PD   | 1C-158/166/167   | 1C-166   | W 110E163 SH.12B | SS                         | Relay GERS or Specific Qualification |
| 842 | ESF    |                  | 1TDR-29  | AGASTAT 2412PE   | 1C-158/166/167   | 1C-167   | W 110E163 SH.7   | SS                         | Relay GERS or Specific Qualification |
| 843 | ESF    |                  | 1V-10X   | W BFD24S         | 1C-156-157       | 1C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 844 | ESF    |                  | 1V-20X   | W BFD24S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 845 | ESF    |                  | 1VA      | W MG-6           | 1C-156-157       | 1C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 846 | ESF    |                  | 1VB      | W MG-6           | 1C-158/166/167   | 1C-166   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 847 | ESF    |                  | 1XAT1    | W BFD11S         | 1C-156-157       | 1C-157   | W 110E163 SH.11  | SS                         | Relay GERS or Specific Qualification |
| 848 | ESF    |                  | 1XAT2    | W BFD11S         | 1C-156-157       | 1C-157   | W 110E163 SH.11  | SS                         | Relay GERS or Specific Qualification |
| 849 | ESF    |                  | 1XBT1    | W BFD11S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.11  | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID  | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-----------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 850 | ESF    |                  | 1XBT2     | W BFD11S         | 1C-158/166/167   | 1C-167   | W 110E163 SH.11  | SS                         | Relay GERS or Specific Qualification |
| 851 | ESF    |                  | 2-71A/BAT | W BFD44S         | 2C-156-158       | 2C-157   | W 110E163 SH.11  | SS                         | Relay GERS or Specific Qualification |
| 852 | ESF    |                  | 2-71B/BAT | W BFD44S         | 2C-166-167       | 2C-167   | W 110E163 SH.11  | SS                         | Relay GERS or Specific Qualification |
| 853 | ESF    |                  | 2-74/TBA  | W BFD02S         | 2C-156-158       | 2C-157   | W 110E163 SH.12  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 854 | ESF    |                  | 2-74/TBB  | W BFD02S         | 2C-166-167       | 2C-167   | W 110E163 SH.12  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 855 | ESF    |                  | 2-74/Xf.  | W BFD22S         | 2C-156-158       | 2C-157   | W 110E163 SH.8   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 856 | ESF    |                  | 2-74/XB   | W BFD22S         | 2C-166-167       | 2C-167   | W 110E163 SH.8   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 857 | ESF    |                  | 2-74X/A3  | ASEA RXMA1       | 2C-20            | 2C-20    | ELEM 1651        | CA18                       | Circuit/Relay Malfunction Acceptable |
| 858 | ESF    |                  | 2-74X/B3  | ASEA RXMA1       | 2C-20            | 2C-20    | ELEM 1651        | CA18                       | Circuit/Relay Malfunction Acceptable |
| 859 | ESF    |                  | 2AFW-12X  | W BFD22S         | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 860 | ESF    |                  | 2AFW-22X  | W BFD22S         | 2C-166-167       | 2C-166   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 861 | ESF    |                  | 2CI-10X   | W BFD48S         | 2C-156-158       | 2C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 862 | ESF    |                  | 2CI-11X   | W BFD48S         | 2C-156-158       | 2C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 863 | ESF    |                  | 2CI-12X   | W BFD48S         | 2C-156-158       | 2C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 864 | ESF    |                  | 2CI-20X   | W BFD48S         | 2C-166-167       | 2C-167   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 865 | ESF    |                  | 2CI-21X   | W BFD48S         | 2C-166-167       | 2C-167   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 866 | ESF    |                  | 2CI-22X   | W BFD48S         | 2C-166-167       | 2C-167   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|----------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 867 | ESF    |                  | 2CI-A    | W MG-6           | 2C-156-158       | 2C-157   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 868 | ESF    |                  | 2CI-B    | W MG-6           | 2C-166-167       | 2C-166   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 869 | ESF    |                  | 2CIR-A   | W BFD22S         | 2C-156-158       | 2C-157   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 870 | ESF    |                  | 2CIR-B   | W BFD22S         | 2C-166-167       | 2C-167   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 871 | ESF    |                  | 2CP-A    | W NBFD65NR       | 2C-156-158       | 2C-157   | W 110E163 SH.7A | SS                         | Relay GERS or Specific Qualification |
| 872 | ESF    |                  | 2CP-A-X  | W NBFD65NR       | C-01-1(2)C-04    | 2C-03    | W 110E163 SH.7A | SS                         | Relay GERS or Specific Qualification |
| 873 | ESF    |                  | 2CP-B    | W NBFD65NR       | 2C-166-167       | 2C-167   | W 110E163 SH.7A | SS                         | Relay GERS or Specific Qualification |
| 874 | ESF    |                  | 2CP-B-X  | W NBFD65NR       | C-01-1(2)C-04    | 2C-03    | W 110E163 SH.7A | SS                         | Relay GERS or Specific Qualification |
| 875 | ESF    |                  | 2CS-10X  | W BFD64S         | 2C-156-158       | 2C-157   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 876 | ESF    |                  | 2CS-20X  | W BFD64S         | 2C-166-167       | 2C-167   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 877 | ESF    |                  | 2CS-A    | W MG-6           | 2C-156-158       | 2C-157   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 878 | ESF    |                  | 2CS-B    | W MG-6           | 2C-166-167       | 2C-166   | W 110E163 SH.9  | SS                         | Relay GERS or Specific Qualification |
| 879 | ESF    |                  | 2F-10X   | W BFD33S         | 2C-156-158       | 2C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 880 | ESF    |                  | 2F-20X   | W BFD33S         | 2C-166-167       | 2C-167   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 881 | ESF    |                  | 2F-30X   | W BFD33S         | 2C-156-158       | 2C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 882 | ESF    |                  | 2F-40X   | W BFD33S         | 2C-166-167       | 2C-167   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 883 | ESF    |                  | 2FA-1    | W MG-6           | 2C-156-158       | 2C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 884 | ESF    |                  | 2FA-2       | W MG-6           | 2C-156-158       | 2C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 885 | ESF    |                  | 2FB-1       | W MG-6           | 2C-166-167       | 2C-166   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 886 | ESF    |                  | 2FB-2       | W MG-6           | 2C-166-167       | 2C-166   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 887 | ESF    |                  | 2FC-464A-XA | W BF44F          | 2C-156-158       | 2C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 888 | ESF    |                  | 2FC-464A-XB | W BF44F          | 2C-166-167       | 2C-166   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 889 | ESF    |                  | 2FC-464B-XA | W BF44F          | 2C-156-158       | 2C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 890 | ESF    |                  | 2FC-464B-XB | W BF44F          | 2C-166-167       | 2C-166   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 891 | ESF    |                  | 2FC-465A-XA | W BF44F          | 2C-156-158       | 2C-157   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 892 | ESF    |                  | 2FC-465A-XB | W BF44F          | 2C-166-167       | 2C-167   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 893 | ESF    |                  | 2FC-465B-XA | W BF44F          | 2C-156-158       | 2C-157   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 894 | ESF    |                  | 2FC-465B-XB | W BF44F          | 2C-166-167       | 2C-167   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 895 | ESF    |                  | 2FC-474A-XA | W BF44F          | 2C-156-158       | 2C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 896 | ESF    |                  | 2FC-474A-XB | W BF44F          | 2C-166-167       | 2C-166   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 897 | ESF    |                  | 2FC-474B-XA | W BF44F          | 2C-156-158       | 2C-156   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 898 | ESF    |                  | 2FC-474B-XB | W BF44F          | 2C-166-167       | 2C-166   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 899 | ESF    |                  | 2FC-475A-XA | W BF44F          | 2C-156-158       | 2C-157   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |
| 900 | ESF    |                  | 2FC-475A-XB | W BF44F          | 2C-166-167       | 2C-167   | W 110E163 SH.3  | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 901 | ESF    |                  | 2FC-475B-XA | W BF44F          | 2C-156-158       | 2C-157   | W 110E163 SH.3 | SS                         | Relay GERS or Specific Qualification |
| 902 | ESF    |                  | 2FC-475B-XB | W BF44F          | 2C-166-167       | 2C-167   | W 110E163 SH.3 | SS                         | Relay GERS or Specific Qualification |
| 903 | ESF    |                  | 2LC-102C-XA | W BF42F          | 2C-156-158       | 2C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 904 | ESF    |                  | 2LC-102C-XB | W BF42F          | 2C-166-167       | 2C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 905 | ESF    |                  | 2LC-106C-XA | W BF42F          | 2C-156-158       | 2C-156   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 906 | ESF    |                  | 2LC-106C-XB | W BF42F          | 2C-166-167       | 2C-166   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 907 | ESF    |                  | 2LC-171C-XA | W BF42F          | 2C-156-158       | 2C-156   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 908 | ESF    |                  | 2LC-171C-XB | W BF42F          | 2C-166-167       | 2C-166   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 909 | ESF    |                  | 2LC-172C-XA | W BF42F          | 2C-156-158       | 2C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 910 | ESF    |                  | 2LC-172C-XB | W BF42F          | 2C-166-167       | 2C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 911 | ESF    |                  | 2LC-189C-XA | W BF42F          | 2C-156-158       | 2C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 912 | ESF    |                  | 2LC-189C-XB | W BF42F          | 2C-166-167       | 2C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 913 | ESF    |                  | 2LC-190C-XA | W BF42F          | 2C-156-158       | 2C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 914 | ESF    |                  | 2LC-190C-XB | W BF42F          | 2C-166-167       | 2C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 915 | ESF    |                  | 2LC-426B-XA | W BF46F          | 2C-156-158       | 2C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 916 | ESF    |                  | 2LC-426B-XB | W BF46F          | 2C-166-167       | 2C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 917 | ESF    |                  | 2LC-427C-XA | W BF46F          | 2C-156-158       | 2C-157   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |



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TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 918 | ESF    |                  | 2LC-427C-XB | W BF46F          | 2C-166-167       | 2C-167   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 919 | ESF    |                  | 2LC-428E-XA | W BF46F          | 2C-156-158       | 2C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 920 | ESF    |                  | 2LC-428E-XB | W BF46F          | 2C-166-167       | 2C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 921 | ESF    |                  | 2LC-461A-XA | W BF44F          | 2C-156-158       | 2C-156   | W 110E163 Sh.6 | SS                         | Relay GERS or Specific Qualification |
| 922 | ESF    |                  | 2LC-461A-XB | W BF44F          | 2C-166-167       | 2C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 923 | ESF    |                  | 2LC-462B-XA | W BF55F          | 2C-156-158       | 2C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 924 | ESF    |                  | 2LC-462B-XB | W BF55F          | 2C-166-167       | 2C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 925 | ESF    |                  | 2LC-463D-XA | W BF55F          | 2C-156-158       | 2C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 926 | ESF    |                  | 2LC-463D-XB | W BF55F          | 2C-166-167       | 2C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 927 | ESF    |                  | 2LC-471A-XA | W BF44F          | 2C-156-158       | 2C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 928 | ESF    |                  | 2LC-471A-XB | W BF44F          | 2C-166-167       | 2C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 929 | ESF    |                  | 2LC-472B-XA | W BF55F          | 2C-156-158       | 2C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 930 | ESF    |                  | 2LC-472B-XB | W BF55F          | 2C-166-167       | 2C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 931 | ESF    |                  | 2LC-473D-XA | W BF55F          | 2C-156-158       | 2C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 932 | ESF    |                  | 2LC-473D-XB | W BF55F          | 2C-166-167       | 2C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 933 | ESF    |                  | 2MS-A1      | W BFD33S         | 2C-156-158       | 2C-157   | W 110E163 SH.8 | SS                         | Relay GERS or Specific Qualification |
| 934 | ESF    |                  | 2MS-A2      | W BFD33S         | 2C-156-158       | 2C-157   | W 110E163 SH.8 | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 935 | ESF    |                  | 2MS-B1      | W BFD33S         | 2C-166-167       | 2C-167   | W 110E163 SH.8 | SS                         | Relay GERS or Specific Qualification |
| 936 | ESF    |                  | 2MS-B2      | W BFD33S         | 2C-166-167       | 2C-167   | W 110E163 SH.8 | SS                         | Relay GERS or Specific Qualification |
| 937 | ESF    |                  | 2P32A-XA    | W BF62F          | 2C-156-158       | 2C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 938 | ESF    |                  | 2P32A-XB    | W BF62F          | 2C-166-167       | 2C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 939 | ESF    |                  | 2P32B-XA    | W BF62F          | 2C-156-158       | 2C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 940 | ESF    |                  | 2P32B-XB    | W BF62F          | 2C-166-167       | 2C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 941 | ESF    |                  | 2P32C-XA    | W BF62F          | 2C-156-158       | 2C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 942 | ESF    |                  | 2P32C-XB    | W BF62F          | 2C-166-167       | 2C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 943 | ESF    |                  | 2P32D-XA    | W BF62F          | 2C-156-158       | 2C-156   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 944 | ESF    |                  | 2P32D-XB    | W BF62F          | 2C-166-167       | 2C-166   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 945 | ESF    |                  | 2P32E-XA    | W BF62F          | 2C-156-158       | 2C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 946 | ESF    |                  | 2P32E-XB    | W BF62F          | 2C-166-167       | 2C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 947 | ESF    |                  | 2P32F-XA    | W BF62F          | 2C-156-158       | 2C-157   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 948 | ESF    |                  | 2P32F-XB    | W BF62F          | 2C-166-167       | 2C-167   | W 110E163 SH.6 | SS                         | Relay GERS or Specific Qualification |
| 949 | ESF    |                  | 2PC-428B-XA | W BF53F          | 2C-156-158       | 2C-156   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 950 | ESF    |                  | 2PC-428B-XB | W BF53F          | 2C-166-167       | 2C-166   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 951 | ESF    |                  | 2PC-429C-XA | W BF46F          | 2C-156-158       | 2C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 952 | ESF    |                  | 2PC-429C-XB | W BF46F          | 2C-166-167       | 2C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 953 | ESF    |                  | 2PC-430E-XA | W BF46F          | 2C-156-158       | 2C-157   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 954 | ESF    |                  | 2PC-430E-XB | W BF46F          | 2C-166-167       | 2C-167   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 955 | ESF    |                  | 2PC-430F-XA | W BF66F          | 2C-156-158       | 2C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 956 | ESF    |                  | 2PC-430F-XB | W BF66F          | 2C-166-167       | 2C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 957 | ESF    |                  | 2PC-431G-XA | W BF46F          | 2C-156-158       | 2C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 958 | ESF    |                  | 2PC-431G-XB | W BF46F          | 2C-166-167       | 2C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 959 | ESF    |                  | 2PC-431I-XA | W BF66F          | 2C-156-158       | 2C-156   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 960 | ESF    |                  | 2PC-431I-XB | W BF66F          | 2C-166-167       | 2C-166   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 961 | ESF    |                  | 2PC-468A-XA | W BF46F          | 2C-156-158       | 2C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 962 | ESF    |                  | 2PC-468A-XB | W BF46F          | 2C-166-167       | 2C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 963 | ESF    |                  | 2PC-469A-XA | W BF48F          | 2C-156-158       | 2C-157   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 964 | ESF    |                  | 2PC-469A-XB | W BF48F          | 2C-166-167       | 2C-167   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 965 | ESF    |                  | 2PC-478A-XA | W BF46F          | 2C-156-158       | 2C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 966 | ESF    |                  | 2PC-478A-XB | W BF46F          | 2C-166-167       | 2C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 967 | ESF    |                  | 2PC-479A-XA | W BF48F          | 2C-156-158       | 2C-157   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 968 | ESF    |                  | 2PC-479A-XB | W BF48F          | 2C-166-167       | 2C-167   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|     | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|-----|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 969 | ESF    |                  | 2PC-482A-XA | W BF48F          | 2C-156-158       | 2C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 970 | ESF    |                  | 2PC-482A-XB | W BF48F          | 2C-166-167       | 2C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 971 | ESF    |                  | 2PC-483A-XA | W BF48F          | 2C-156-158       | 2C-156   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 972 | ESF    |                  | 2PC-483A-XB | W BF48F          | 2C-166-167       | 2C-166   | W 110E163 SH.2 | SS                         | Relay GERS or Specific Qualification |
| 973 | ESF    |                  | 2PC-628-XA  | W BF22F          | 2C-156-158       | 2C-157   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 974 | ESF    |                  | 2PC-629-XB  | W BF22F          | 2C-166-167       | 2C-167   | W 110E163 SH.5 | SS                         | Relay GERS or Specific Qualification |
| 975 | ESF    |                  | 2PC-945A-XA | W BF46F          | 2C-156-158       | 2C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 976 | ESF    |                  | 2PC-945A-XB | W BF46F          | 2C-166-167       | 2C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 977 | ESF    |                  | 2PC-945B-XA | W BF44F          | 2C-156-158       | 2C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 978 | ESF    |                  | 2PC-945B-XB | W RF44F          | 2C-166-167       | 2C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 979 | ESF    |                  | 2PC-946A-XA | W BF46F          | 2C-156-158       | 2C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 980 | ESF    |                  | 2PC-946A-XB | W BF46F          | 2C-166-167       | 2C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 981 | ESF    |                  | 2PC-946B-XA | W BF44F          | 2C-156-158       | 2C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 982 | ESF    |                  | 2PC-946B-XB | W BF44F          | 2C-166-167       | 2C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 983 | ESF    |                  | 2PC-947A-XA | W BF48F          | 2C-156-158       | 2C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 984 | ESF    |                  | 2PC-947A-XB | W BF48F          | 2C-166-167       | 2C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 985 | ESF    |                  | 2PC-947B-XA | W BF55F          | 2C-156-158       | 2C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 986  | ESF    |                  | 2PC-947B-XB | W BF55F          | 2C-166-167       | 2C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 987  | ESF    |                  | 2PC-948A-XA | W BF48F          | 2C-156-158       | 2C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 988  | ESF    |                  | 2PC-948A-XB | W BF48F          | 2C-166-167       | 2C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 989  | ESF    |                  | 2PC-948B-XA | W BF55F          | 2C-156-158       | 2C-156   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 990  | ESF    |                  | 2PC-948B-XB | W BF55F          | 2C-166-167       | 2C-166   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 991  | ESF    |                  | 2PC-949A-XA | W BF48F          | 2C-156-158       | 2C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 992  | ESF    |                  | 2PC-949A-XB | W BF48F          | 2C-166-167       | 2C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 993  | ESF    |                  | 2PC-949B-XA | W BF55F          | 2C-156-158       | 2C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 994  | ESF    |                  | 2PC-949B-XB | W BF55F          | 2C-166-167       | 2C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 995  | ESF    |                  | 2PC-950A-XA | W BF48F          | 2C-156-158       | 2C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 996  | ESF    |                  | 2PC-950A-XB | W BF48F          | 2C-166-167       | 2C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 997  | ESF    |                  | 2PC-950B-XA | W BF55F          | 2C-156-158       | 2C-157   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 998  | ESF    |                  | 2PC-950B-XB | W BF55F          | 2C-166-167       | 2C-167   | W 110E163 SH.4 | SS                         | Relay GERS or Specific Qualification |
| 999  | ESF    |                  | 2SI-10X     | W BFD84S         | 2C-156-158       | 2C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |
| 1000 | ESF    |                  | 2SI-11X     | W BFD84S         | 2C-156-158       | 2C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |
| 1001 | ESF    |                  | 2SI-12X     | W BFD84S         | 2C-156-158       | 2C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |
| 1002 | ESF    |                  | 2SI-13X     | W BFD84S         | 2C-156-158       | 2C-157   | W 110E163 SH.7 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|----------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1003 | ESF    |                  | 2SI-14X  | W BFD84S         | 2C-156-158       | 2C-157   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1004 | ESF    |                  | 2SI-20X  | W BFD84S         | 2C-166-167       | 2C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1005 | ESF    |                  | 2SI-21X  | W BFD84S         | 2C-166-167       | 2C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1006 | ESF    |                  | 2SI-22X  | W BFD84S         | 2C-166-167       | 2C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1007 | ESF    |                  | 2SI-23X  | W BFD84S         | 2C-166-167       | 2C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1008 | ESF    |                  | 2SI-24X  | W BFD84S         | 2C-166-167       | 2C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1009 | ESF    |                  | 2SIA-A   | W MG-6           | 2C-156-158       | 2C-156   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1010 | ESF    |                  | 2SIA-B   | W MG-6           | 2C-166-167       | 2C-166   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1011 | ESF    |                  | 2SIB-A   | W BFD75S         | 2C-156-158       | 2C-156   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1012 | ESF    |                  | 2SIB-B   | W BFD75S         | 2C-166-167       | 2C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1013 | ESF    |                  | 2SIM-A   | W MG-6           | 2C-156-158       | 2C-157   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1014 | ESF    |                  | 2SIM-B   | W MG-6           | 2C-166-167       | 2C-166   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1015 | ESF    |                  | 2SIR-A   | W Nbfd65NR       | 2C-156-158       | 2C-157   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1016 | ESF    |                  | 2SIR-B   | W Nbfd65NR       | 2C-166-167       | 2C-167   | W 110E163 SH.7  | SS                         | Relay GERS or Specific Qualification |
| 1017 | ESF    |                  | 2SW-A    | W BFD22S         | 2C-156-158       | 2C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 1018 | ESF    |                  | 2SW-AX   | W BFD42S         | 2C-156-158       | 2C-157   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |
| 1019 | ESF    |                  | 2SW-B    | W BFD22S         | 2C-166-167       | 2C-167   | W 110E163 SH.10 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 1020 | ESF    |                  | 2SW-BX      | W BFD42S         | 2C-166-167       | 2C-167   | W 110E163 SH.10  | SS                         | Relay GERS or Specific Qualification |
| 1021 | ESF    |                  | 2TC-401D-XA | W BF66F          | 2C-156-158       | 2C-156   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 1022 | ESF    |                  | 2TC-401D-XB | W BF66F          | 2C-166-167       | 2C-166   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 1023 | ESF    |                  | 2TC-402D-XA | W BF66F          | 2C-156-158       | 2C-157   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 1024 | ESF    |                  | 2TC-402D-XB | W BF66F          | 2C-166-167       | 2C-167   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 1025 | ESF    |                  | 2TC-403D-XA | W BF66F          | 2C-156-158       | 2C-156   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 1026 | ESF    |                  | 2TC-403D-XB | W BF66F          | 2C-166-167       | 2C-166   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 1027 | ESF    |                  | 2TC-404D-XA | W BF66F          | 2C-156-158       | 2C-157   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 1028 | ESF    |                  | 2TC-404D-XB | W BF66F          | 2C-166-167       | 2C-167   | W 110E163 SH.3   | SS                         | Relay GERS or Specific Qualification |
| 1029 | ESF    |                  | 2TDR-10     | AGASTAT 2412PD   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1030 | ESF    |                  | 2TDR-11     | AGASTAT 2412PD   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1031 | ESF    |                  | 2TDR-12     | AGASTAT 2412PE   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1032 | ESF    |                  | 2TDR-13     | AGASTAT 2412PD   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1033 | ESF    |                  | 2TDR-14     | AGASTAT 2412PD   | 2C-156-158       | 2C-156   | W 110F163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1034 | ESF    |                  | 2TDR-15     | AGASTAT 2412PE   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1035 | ESF    |                  | 2TDR-16     | AGASTAT 2412PE   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1036 | ESF    |                  | 2TDR-17     | AGASTAT 2412PE   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|----------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 1037 | ESF    |                  | 2TDR-18  | AGASTAT 2412PD   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1038 | ESF    |                  | 2TDR-19  | AGASTAT 2412PE   | 2C-156-158       | 2C-157   | W 110E163 SH.7   | SS                         | Relay GERS or Specific Qualification |
| 1039 | ESF    |                  | 2TDR-20  | AGASTAT 2412PD   | 2C-166-167       | 2C-166   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1040 | ESF    |                  | 2TDR-21  | AGASTAT 2412PD   | 2C-166-167       | 2C-166   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1041 | ESF    |                  | 2TDR-22  | AGASTAT 2412PE   | 2C-166-167       | 2C-166   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1042 | ESF    |                  | 2TDR-23  | AGASTAT 2412PD   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1043 | ESF    |                  | 2TDR-24  | AGASTAT 2412PD   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1044 | ESF    |                  | 2TDR-25  | AGASTAT 2412PE   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1045 | ESF    |                  | 2TDR-26  | AGASTAT 2412PE   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1046 | ESF    |                  | 2TDR-27  | AGASTAT 2412PE   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1047 | ESF    |                  | 2TDR-28  | AGASTAT 2412PD   | 2C-156-158       | 2C-156   | W 110E163 SH.12A | SS                         | Relay GERS or Specific Qualification |
| 1048 | ESF    |                  | 2TDR-29  | AGASTAT 2412PE   | 2C-166-167       | 2C-167   | W 110E163 SH.7   | SS                         | Relay GERS or Specific Qualification |
| 1049 | ESF    |                  | 2V-10X   | W BFD24S         | 2C-156-158       | 2C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 1050 | ESF    |                  | 2V-20X   | W BFD24S         | 2C-166-167       | 2C-167   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 1051 | ESF    |                  | 2VA      | W MG-6           | 2C-156-158       | 2C-157   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 1052 | ESF    |                  | 2VB      | W MG-6           | 2C-166-167       | 2C-166   | W 110E163 SH.9   | SS                         | Relay GERS or Specific Qualification |
| 1053 | ESF    |                  | 2XAT1    | W BFD11S         | 2C-156-158       | 2C-157   | W 110E163 SH.11  | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1054 | ESF    |                  | 2XAT2       | W BFD11S         | 2C-156-158       | 2C-157   | W 110E163 SH.11 | SS                         | Relay GERS or Specific Qualification |
| 1055 | ESF    |                  | 2XBT1       | W BFD11S         | 2C-166-167       | 2C-167   | W 110E163 SH.11 | SS                         | Relay GERS or Specific Qualification |
| 1056 | ESF    |                  | 2XBT2       | W BFD11S         | 2C-166-167       | 2C-167   | W 110E163 SH.11 | SS                         | Relay GERS or Specific Qualification |
| 1057 | FO     | FO-3930-M        | 2B42-3210M  | CONTACTOR        | 2B-32            | 2B32-10M | ELEM 829        | SS                         | Relay GERS or Specific Qualification |
| 1058 | FO     | FO-3930-M        | LS/3930A    |                  | T-31A            | T-31A    | BECH M-219      | CA                         | Circuit/Relay Malfunction Acceptable |
| 1059 | FO     | FO-3930-M        | LS/3930AX   | W BFD44S         | C-01-1(2)C-04    | C-01     | ELEM 1511       | SS                         | Relay GERS or Specific Qualification |
| 1060 | FO     | FO-3930-M        | LS/3930BX   | W BFD44S         | C-01-1(2)C-04    | C-01     | ELEM 1511       | CA9                        | Circuit/Relay Malfunction Acceptable |
| 1061 | FO     | FO-3930-M        | LS/3931BX   | W BFD44S         | C-01-1(2)C-04    | C-01     | ELEM 1511       | CA9                        | Circuit/Relay Malfunction Acceptable |
| 1062 | FO     | FO-3931-M        | 1B42-4210M  | CONTACTOR        | 1B-42            | 1B42-10M | ELEM 829        | SS                         | Relay GERS or Specific Qualification |
| 1063 | FO     | FO-3931-M        | LS/3931A    |                  | T-31B            | T-31B    | BECH M-219      | CA                         | Circuit/Relay Malfunction Acceptable |
| 1064 | FO     | FO-3931-M        | LS/3931AX   | W BFD44S         | C-01-1(2)C-04    | C-01     | ELEM 1511       | SS                         | Relay GERS or Specific Qualification |
| 1065 | MS     | 1MS-2017A-S      | 1-74/MSA    | W BFD31S         | 1C-156-157       | 1C-157   | ELEM 823        | CA4                        | Circuit/Relay Malfunction Acceptable |
| 1066 | MS     | 1MS-2017B-S      | 1-74/MSB    | W BFD31S         | 1C-158/166/167   | 1C-167   | ELEM 823        | CA4                        | Circuit/Relay Malfunction Acceptable |
| 1067 | MS     | 1MS-2019-M       | 1-2019X     | W BFD66S         | C-01-1(2)C-04    | 1C-03    | ELEM 814A       | SS                         | Relay GERS or Specific Qualification |
| 1068 | MS     | 1MS-2019-M       | 1-62/4044A  | AGASTAT 7014 PC  | C-01-1(2)C-04    | 1C-03    | ELEM 814A       | SS                         | Relay GERS or Specific Qualification |
| 1069 | MS     | 1MS-2019-M       | 162A        | AGASTAT 2412 PC  | 1A-02            | 1A-02    | ELEM 1523       | CA15                       | Circuit/Relay Malfunction Acceptable |
| 1070 | MS     | 1MS-2019-M       | 1B42/S-2019 | CONTACTOR        | 1SMS-2019        | 1S-2019  | ELEM 814        | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL              | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|-------------------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1071 | MS     | 1MS-2019-M       | 1PY-4044-LLA | FOXBORO NO152CK - N-2AO-L2C-R | 1C-170-173       | 1C-171   | FOXBORO CD1-15  | SS                         | Relay GERS or Specific Qualification |
| 1072 | MS     | 1MS-2020-M       | 1-2020X      | W BFD66S                      | C-01-1(2)C-04    | 1C-03    | ELEM 814A       | SS                         | Relay GERS or Specific Qualification |
| 1073 | MS     | 1MS-2020-M       | 1-62/4044B   | AGASTAT 7014 PC               | C-01-1(2)C-04    | 1C-03    | ELEM 814A       | SS                         | Relay GERS or Specific Qualification |
| 1074 | MS     | 1MS-2020-M       | 162B         | AGASTAT 2412 PC               | 1A-02            | 1A-02    | ELEM 1523       | CA15                       | Circuit/Relay Malfunction Acceptable |
| 1075 | MS     | 1MS-2020-M       | 1B42/S-2020  | CONTACTOR                     | 1SMS-2020        | 1S-2020  | ELEM 814        | SS                         | Relay GERS or Specific Qualification |
| 1076 | MS     | 1MS-2020-M       | 1PY-4044-LLB | FOXBORO NO152CK - N-2AO-L2C-R | 1C-170-173       | 1C-171   | FOXBORO CD1-15  | SS                         | Relay GERS or Specific Qualification |
| 1077 | MS     | 1MS-2042-S       | 1-2045X      | W BF40F                       | C-01-1(2)C-04    | 1C-03    | ELEM 826        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1078 | MS     | 1MS-2042-S       | 1B52-12C(b)  |                               | 1B-03            | 1B52-12C | ELEM 369        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1079 | MS     | 1MS-2042-S       | 1CI-12-X3    | W NBFD65NR                    | C-01-1(2)C-04    | C-01     | ELEM 1696       | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1080 | MS     | 1MS-2042-S       | 1CI-21-X3    | W NBFD65NR                    | C-01-1(2)C-04    | C-01     | ELEM 1696       | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1081 | MS     | 1MS-2042-S       | 1PS-5955     |                               |                  |          | ELEM 826        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1082 | MS     | 1MS-2042-S       | 1RC-19X      | W BF66F                       | 1C-158/166/167   | 1C-158   | W 195A778 SH.24 | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1083 | MS     | 1MS-2042-S       | 1RC-22X      | W BF66F                       | 1C-158/166/167   | 1C-158   | W 195A778 SH.24 | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1084 | MS     | 1MS-2042-S       | 2B52-31C(b)  |                               | 2B-04            | 2B52-31C | ELEM 369        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1085 | MS     | 1MS-2083-S       | 1CI-12-X1    | W NBFD65NR                    | C-01-1(2)C-04    | C-01     | ELEM 1696       | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1086 | MS     | 1MS-2083-S       | 1CI-21-X1    | W NBFD65NR                    | C-01-1(2)C-04    | C-01     | ELEM 1696       | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1087 | MS     | 2MS-2017A-S      | 2-74/MSA     | W BFD31S                      | 2C-156-158       | 2C-157   | ELEM 874        | CA4                        | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL              | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|-------------------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1088 | MS     | 2MS-2017B-S      | 2-74/MSB     | W BFD31S                      | 2C-166-167       | 2C-167   | ELEM 874        | CA4                        | Circuit/Relay Malfunction Acceptable |
| 1089 | MS     | 2MS-2019-M       | 2-2019X      | W BFD66S                      | C-01-1(2)C-04    | 2C-03    | ELEM 868A       | SS                         | Relay GERS or Specific Qualification |
| 1090 | MS     | 2MS-2019-M       | 2-62/4044A   | AGASTAT 7014 PC               | C-01-1(2)C-04    | 2C-03    | ELEM 868A       | SS                         | Relay GERS or Specific Qualification |
| 1091 | MS     | 2MS-2019-M       | 262A         | AGASTAT 2412 PC               | 2A-02            | 2A-02    | ELEM 1532       | CA15                       | Circuit/Relay Malfunction Acceptable |
| 1092 | MS     | 2MS-2019-M       | 2B42/S-2019  | CONTACTOR                     | 2SMS-2019        | 2S-2019  | ELEM 868        | SS                         | Relay GERS or Specific Qualification |
| 1093 | MS     | 2MS-2019-M       | 2PY-4044-LLA | FOXBORO N0152CK - N-2AO-L2C-R | 2C-170-173       | 2C-171   | FOXBORO CD2-15  | SS                         | Relay GERS or Specific Qualification |
| 1094 | MS     | 2MS-2020-M       | 2-2020X      | W BFD66S                      | C-01-1(2)C-04    | 2C-03    | ELEM 868A       | SS                         | Relay GERS or Specific Qualification |
| 1095 | MS     | 2MS-2020-M       | 2-62/4044B   | AGASTAT 7014PC                | C-01-1(2)C-04    | 2C-03    | ELEM 868A       | SS                         | Relay GERS or Specific Qualification |
| 1096 | MS     | 2MS-2020-M       | 262B         | AGASTAT 2412 PC               | 2A-02            | 2A-02    | ELEM 1532       | CA15                       | Circuit/Relay Malfunction Acceptable |
| 1097 | MS     | 2MS-2020-M       | 2B42/S-2020  | CONTACTOR                     | 2SMS-2020        | 2S-2020  | ELEM 868        | SS                         | Relay GERS or Specific Qualification |
| 1098 | MS     | 2MS-2020-M       | 2PY-4044-LLB | FOXBORO N0152CK - N-2AO-L2C-R | 2C-170-173       | 2C-171   | FOXBORO CD2-15  | SS                         | Relay GERS or Specific Qualification |
| 1099 | MS     | 2MS-2042-S       | 2-2045X      | W BF40F                       | C-01-1(2)C-04    | 2C-03    | ELEM 877        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1100 | MS     | 2MS-2042-S       | 2PS-5955     |                               |                  |          | ELEM 877        | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1101 | MS     | 2MS-2042-S       | 2RC-19X      | W BF66F                       | 2C-156-158       | 2C-158   | W 195A778 SH.34 | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1102 | MS     | 2MS-2042-S       | 2RC-22X      | W BF66F                       | 2C-156-158       | 2C-158   | W 195A778 SH.34 | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1103 | RC     | 1RC-427-M        | 1B42-426M    | CONTACTOR                     | 1B-42            | 1B42-6M  | ELEM 720        | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1104 | RC     | 1RC-427-M        | 1LC-427B-X2  | W BF22F                       | C-01-1(2)C-04    | 1C-03    | W 195A778 SH.24 | CA13                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING           | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-------------------|----------------------------|--------------------------------------|
| 1105 | RC     | 1RC-427-M        | 1LC-428D-X2 | W BF22F          | C-01-1(2)C-04    | 1C-03    | W 195A778 SH.24   | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1106 | RC     | 1RC-427-M        | 33X/1-V427  | W BF40           | 1B-42            | 1B42-6M  | ELEM 720          | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1107 | RC     | 1RC-430-S        | 1CX         | W BF22F          | C-01-1(2)C-04    | 1C-04    | W 195A778 SH.333A | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1108 | RC     | 1RC-430-S        | 1PC-429B-X  | W BF84F          | C-01-1(2)C-04    | 1C-03    | W 195A778 SH.333  | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1109 | RC     | 1RC-430-S        | 1PC-430B-X  | W BF22F          | C-01-1(2)C-04    | 1C-03    | W 195A778 SH.334  | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1110 | RC     | 1RC-430-S        | 1V-516X     | W BF22F          | C-01-1(2)C-04    | 1C-04    | W 195A778 SH.454  | CA3                        | Circuit/Relay Malfunction Acceptable |
| 1111 | RC     | 1RC-430-S        | D13         | P&B KRP11DN      | C-01-1(2)C-04    | 1C-04    | ELEM 757D         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 1112 | RC     | 1RC-431C-S       | 1AX         | W BF22F          | C-01-1(2)C-04    | 1C-04    | W 195A778 SH.453  | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1113 | RC     | 1RC-431C-S       | 1PC-431B-X  | W BF22F          | 1C-158/166/167   | 1C-158   | W 195A778 SH.24   | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1114 | RC     | 1RC-431C-S       | 1PC-449B-X  | W BF84F          | 1C-158/166/167   | 1C-158   | W 195A778 SH.20   | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1115 | RC     | 1RC-431C-S       | 1V-515X     | W BF22F          | C-01-1(2)C-04    | 1C-04    | W 195A778 SH.453  | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1116 | RC     | 1RC-431C-S       | D10         | P&B KRP11DN      | C-01-1(2)C-04    | 1C-04    | ELEM 757          | CA3                        | Circuit/Relay Malfunction Acceptable |
| 1117 | RC     | 1RC-515-M        | 1B42-327F   | CONTACTOR        | 1B-32            | 1B32-7F  | ELEM 716          | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1118 | RC     | 1RC-516-M        | 1B42-427F   | CONTACTOR        | 1B-42            | 1B42-7F  | ELEM 716          | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1119 | RC     | 2RC-427-M        | 2B42-426M   | CONTACTOR        | 2B-42            | 2B42-6M  | ELEM 720          | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1120 | RC     | 2RC-427-M        | 2LC-427B-X2 | W BF22F          | C-01-1(2)C-04    | 2C-04    | W 195A778 SH.34   | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1121 | RC     | 2RC-427-M        | 2LC-428D-X2 | W BF22F          | C-01-1(2)C-04    | 2C-04    | W 195A778 SH.34   | CA13                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING           | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|-------------------|----------------------------|--------------------------------------|
| 1122 | RC     | 2RC-427-M        | 33X/2-V427   | W BF40           | 2B-42            | 2B42-6M  | ELEM 720          | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1123 | RC     | 2RC-430-S        | 2CX          | W BF22F          | C-01-1(2)C-04    | 2C-04    | W 195A778 SH.333A | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1124 | RC     | 2RC-430-S        | 2PC-429B-X   | W BF84F          | C-01-1(2)C-04    | 2C-04    | W 195A778 SH.333C | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1125 | RC     | 2RC-430-S        | 2PC-430B-X   | W BF22F          | C-01-1(2)C-04    | 2C-04    | W 195A778 SH.334A | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1126 | RC     | 2RC-430-S        | 2V-516X      | W BF22F          | C-01-1(2)C-04    | 2C-04    | W 195A778 SH.454  | CA3                        | Circuit/Relay Malfunction Acceptable |
| 1127 | RC     | 2RC-430-S        | C39          | P&B KRP11DN      | C-01-1(2)C-04    | 2C-04    | ELEM 757D         | CA3                        | Circuit/Relay Malfunction Acceptable |
| 1128 | RC     | 2RC-431C-S       | 2AX          | W BF22F          | C-01-1(2)C-04    | 2C-04    | W 195A778 SH.453  | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1129 | RC     | 2RC-431C-S       | 2PC-431B-X   | W BF22F          | 2C-156-158       | 2C-158   | W 195A778 SH.34   | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1130 | RC     | 2RC-431C-S       | 2PC-449B-X   | W BF84F          | 2C-156-158       | 2C-158   | W 195A778 SH.30   | CA11                       | Circuit/Relay Malfunction Acceptable |
| 1131 | RC     | 2RC-431C-S       | 2V-515X      | W BF22F          | C-01-1(2)C-04    | 2C-04    | W 195A778 SH.454  | CA3                        | Circuit/Relay Malfunction Acceptable |
| 1132 | RC     | 2RC-431C-S       | C36          | P&B KRP11DN      | C-01-1(2)C-04    | 2C-04    | ELEM 757          | CA3                        | Circuit/Relay Malfunction Acceptable |
| 1133 | RC     | 2RC-515-M        | 2B42-327F    | CONTACTOR        | 2B-32            | 2B32-7F  | ELEM 716          | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1134 | RC     | 2RC-516-M        | 2B42-427F    | CONTACTOR        | 2B-42            | 2B42-7F  | ELEM 716          | CA13                       | Circuit/Relay Malfunction Acceptable |
| 1135 | RP     |                  | 1-1/N-31B-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH6A1     | SS                         | Relay GERS or Specific Qualification |
| 1136 | RP     |                  | 1-1/N-31B-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH6B1     | SS                         | Relay GERS or Specific Qualification |
| 1137 | RP     |                  | 1-1/N-31B-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH6A1     | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1138 | RP     |                  | 1-1/N-31B-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH6B1     | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                               |
|------|--------|-----------------|--------------|------------------|------------------|----------|------------------|----------------------------|---|
| 1139 | RP     |                 | 1-1/N-31B-ZA | W BF30F          | 1C-151-155       | 1C-151   | 617F354<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1140 | RP     |                 | 1-1/N-31B-ZB | W BF30F          | 1C-161-165       | 1C-161   | 617F354<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1141 | RP     |                 | 1-1/N-32B-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354<br>SH6A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1142 | RP     |                 | 1-1/N-32B-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354<br>SH6B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1143 | RP     |                 | 1-1/N-32B-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1144 | RP     |                 | 1-1/N-32B-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1145 | RP     |                 | 1-1/N-32B-ZA | W BF30F          | 1C-151-155       | 1C-152   | 617F354<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1146 | RP     |                 | 1-1/N-32B-ZB | W BF30F          | 1C-161-165       | 1C-162   | 617F354<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1147 | RP     |                 | 1-1/N-33A-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354<br>SH6A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1148 | RP     |                 | 1-1/N-33A-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1149 | RP     |                 | 1-1/N-33A-ZA | W BF30F          | 1C-151-155       | 1C-153   | 617F354<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1150 | RP     |                 | 1-1/N-33B-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354<br>SH6B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1151 | RP     |                 | 1-1/N-33B-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1152 | RP     |                 | 1-1/N-33B-ZB | W BF30F          | 1C-161-165       | 1C-163   | 617F354<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1153 | RP     |                 | 1-1/N-35A-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354<br>SH6A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1154 | RP     |                 | 1-1/N-35A-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354<br>SH6B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1155 | RP     |                 | 1-1/N-35A-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1156 | RP     |                  | 1-1/N-35A-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1157 | RP     |                  | 1-1/N-35A-ZA | W BF30F          | 1C-151-155       | 1C-151   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1158 | RP     |                  | 1-1/N-35A-ZB | W BF30F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1159 | RP     |                  | 1-1/N-36A-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1160 | RP     |                  | 1-1/N-36A-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1161 | RP     |                  | 1-1/N-36A-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1162 | RP     |                  | 1-1/N-36A-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1163 | RP     |                  | 1-1/N-36A-ZA | W BF30F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1164 | RP     |                  | 1-1/N-36A-ZB | W BF30F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1165 | RP     |                  | 1-1/N-38A-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1166 | RP     |                  | 1-1/N-38A-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1167 | RP     |                  | 1-1/N-38A-ZA | W BF30F          | 1C-151-155       | 1C-153   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1168 | RP     |                  | 1-1/N-38B-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1169 | RP     |                  | 1-1/N-38B-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1170 | RP     |                  | 1-1/N-38B-ZB | W BF30F          | 1C-161-165       | 1C-163   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1171 | RP     |                  | 1-1/N-39A-XA | W Nbfd66S        | 1C-151-155       | 1C-151   | 617F354 SH6A2 | SS                         | Relay GERS or Specific Qualification |
| 1172 | RP     |                  | 1-1/N-39A-XB | W Nbfd66S        | 1C-161-165       | 1C-161   | 617F354 SH6B2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                               |
|------|--------|------------------|--------------|------------------|------------------|----------|------------------|----------------------------|---|
| 1173 | RP     |                  | 1-1/N-39A-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354<br>SH6A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1174 | RP     |                  | 1-1/N-39A-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354<br>SH6A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1175 | RP     |                  | 1-1/N-39B-XA | W Nbfd66S        | 1C-151-155       | 1C-151   | 617F354<br>SH6A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1176 | RP     |                  | 1-1/N-39B-XB | W Nbfd66S        | 1C-161-165       | 1C-161   | 617F354<br>SH6B2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1177 | RP     |                  | 1-1/N-39B-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354<br>SH6A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1178 | RP     |                  | 1-1/N-39B-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354<br>SH6B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1179 | RP     |                  | 1-1/N-41K-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354<br>SH8A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1180 | RP     |                  | 1-1/N-41K-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354<br>SH8B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1181 | RP     |                  | 1-1/N-42K-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354<br>SH8A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1182 | RP     |                  | 1-1/N-42K-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354<br>SH8B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1183 | RP     |                  | 1-1/N-43K-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354<br>SH8A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1184 | RP     |                  | 1-1/N-43K-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354<br>SH8B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1185 | RP     |                  | 1-1/N-44K-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354<br>SH8A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1186 | RP     |                  | 1-1/N-44K-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354<br>SH8B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1187 | RP     |                  | 1-1/N-47A-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354<br>SH6A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1188 | RP     |                  | 1-1/N-47A-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354<br>SH6A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1189 | RP     |                  | 1-1/N-47A-ZA | W BF30F          | 1C-151-155       | 1C-154   | 617F354<br>SH6A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING           | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|-------------------|----------------------------|--------------------------------------|
| 1190 | RP     |                  | 1-1/N-47B-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354<br>SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1191 | RP     |                  | 1-1/N-47B-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354<br>SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1192 | RP     |                  | 1-1/N-47B-ZB | W BF30F          | 1C-161-165       | 1C-164   | 617F354<br>SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1193 | RP     |                  | 1-273/A01-XA | W Nbfd66S        | 1C-151-155       | 1C-151   | 617F354<br>SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1194 | RP     |                  | 1-273/A01-XB | W Nbfd66S        | 1C-161-165       | 1C-161   | 617F354<br>SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1195 | RP     |                  | 1-273/A01-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354<br>SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1196 | RP     |                  | 1-273/A01-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354<br>SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1197 | RP     |                  | 1-273/A02-XA | W Nbfd66S        | 1C-151-155       | 1C-153   | 617F354<br>SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1198 | RP     |                  | 1-273/A02-XB | W Nbfd66S        | 1C-161-165       | 1C-163   | 617F354<br>SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1199 | RP     |                  | 1-273/A02-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354<br>SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1200 | RP     |                  | 1-273/A02-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354<br>SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1201 | RP     |                  | 1-274/A01-XA | W Nbfd66S        | 1C-151-155       | 1C-152   | 617F354<br>SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1202 | RP     |                  | 1-274/A01-XB | W Nbfd66S        | 1C-161-165       | 1C-162   | 617F354<br>SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1203 | RP     |                  | 1-274/A01-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354<br>SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1204 | RP     |                  | 1-274/A01-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354<br>SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1205 | RP     |                  | 1-274/A02-XA | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354<br>SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1206 | RP     |                  | 1-274/A02-XB | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354<br>SH10B1 | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 1207 | RP     |                  | 1-274/A02-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1208 | RP     |                  | 1-274/A02-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1209 | RP     |                  | 1-33AC-SL-XA | W Nbfd66S        | 1C-151-155       | 1C-153   | 617F354 SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1210 | RP     |                  | 1-33AC-SL-XB | W Nbfd66S        | 1C-161-165       | 1C-163   | 617F354 SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1211 | RP     |                  | 1-33AC-SL-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1212 | RP     |                  | 1-33AC-SL-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH10B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1213 | RP     |                  | 1-33AC-SR-XA | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1214 | RP     |                  | 1-33AC-SR-XB | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1215 | RP     |                  | 1-33AC-SR-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1216 | RP     |                  | 1-33AC-SR-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH10B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1217 | RP     |                  | 1-63/AST3-XA | W Nbfd66S        | 1C-151-155       | 1C-152   | 617F354 SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1218 | RP     |                  | 1-63/AST3-XB | W Nbfd66S        | 1C-161-165       | 1C-162   | 617F354 SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1219 | RP     |                  | 1-63/AST3-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1220 | RP     |                  | 1-63/AST3-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH10B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1221 | RP     |                  | 1-63/AST4-XA | W Nbfd66S        | 1C-151-155       | 1C-153   | 617F354 SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1222 | RP     |                  | 1-63/AST4-XB | W Nbfd66S        | 1C-161-165       | 1C-163   | 617F354 SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1223 | RP     |                  | 1-63/AST4-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING           | SCREENING CODE (w/ note #) | SCREENING                               |
|------|--------|------------------|--------------|------------------|------------------|----------|-------------------|----------------------------|---|
| 1224 | RP     |                  | 1-63/AST4-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1225 | RP     |                  | 1-63/AST5-XA | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354<br>SH10A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1226 | RP     |                  | 1-63/AST5-XB | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354<br>SH10B2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1227 | RP     |                  | 1-63/AST5-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354<br>SH10A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1228 | RP     |                  | 1-63/AST5-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1229 | RP     |                  | 1A52-06-XA   | W Nbfd66S        | 1C-151-155       | 1C-153   | 617F354<br>SH10A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1230 | RP     |                  | 1A52-06-XB   | W Nbfd66S        | 1C-161-165       | 1C-163   | 617F354<br>SH10B2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1231 | RP     |                  | 1A52-06-YA   | W BF22F          | 1C-151-155       | 1C-153   | 617F354<br>SH10A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1232 | RP     |                  | 1A52-06-YB   | W BF22F          | 1C-161-165       | 1C-163   | 617F354<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1233 | RP     |                  | 1A52-12-XA   | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354<br>SH10A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1234 | RP     |                  | 1A52-12-XB   | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354<br>SH10B2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1235 | RP     |                  | 1A52-12-YA   | W BF22F          | 1C-151-155       | 1C-154   | 617F354<br>SH10A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1236 | RP     |                  | 1A52-12-YB   | W BF22F          | 1C-161-165       | 1C-164   | 617F354<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1237 | RP     |                  | 1FC-411-XA   | W BF66F          | 1C-151-155       | 1C-151   | 617F354<br>SH9A1  | SS                         | Relay GERS or Specific<br>Qualification |
| 1238 | RP     |                  | 1FC-411-XB   | W BF66F          | 1C-161-165       | 1C-161   | 617F354<br>SH9B1  | SS                         | Relay GERS or Specific<br>Qualification |
| 1239 | RP     |                  | 1FC-411-YA   | W BF22F          | 1C-151-155       | 1C-151   | 617F354<br>SH9A1  | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1240 | RP     |                  | 1FC-411-YB   | W BF22F          | 1C-161-165       | 1C-161   | 617F354<br>SH9B1  | CA19                       | Circuit/Relay Malfunction<br>Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1241 | RP     |                  | 1FC-412-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1242 | RP     |                  | 1FC-412-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1243 | RP     |                  | 1FC-412-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1244 | RP     |                  | 1FC-412-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1245 | RP     |                  | 1FC-413-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1246 | RP     |                  | 1FC-413-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1247 | RP     |                  | 1FC-413-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1248 | RP     |                  | 1FC-413-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1249 | RP     |                  | 1FC-414-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1250 | RP     |                  | 1FC-414-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1251 | RP     |                  | 1FC-414-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1252 | RP     |                  | 1FC-414-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1253 | RP     |                  | 1FC-415-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1254 | RP     |                  | 1FC-415-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1255 | RP     |                  | 1FC-415-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1256 | RP     |                  | 1FC-415-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1257 | RP     |                  | 1FC-416-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH9A1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1258 | RP     |                  | 1FC-416-XB  | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1259 | RP     |                  | 1FC-416-YA  | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1260 | RP     |                  | 1FC-416-YB  | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1261 | RP     |                  | 1FC-466C-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1262 | RP     |                  | 1FC-466C-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1263 | RP     |                  | 1FC-466C-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1264 | RP     |                  | 1FC-466C-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1265 | RP     |                  | 1FC-467B-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1266 | RP     |                  | 1FC-467B-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1267 | RP     |                  | 1FC-467B-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1268 | RP     |                  | 1FC-467B-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1269 | RP     |                  | 1FC-476C-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1270 | RP     |                  | 1FC-476C-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1271 | RP     |                  | 1FC-476C-YA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1272 | RP     |                  | 1FC-476C-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1273 | RP     |                  | 1FC-477B-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1274 | RP     |                  | 1FC-477B-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1275 | RP     |                  | 1FC-477B-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1276 | RP     |                  | 1FC-477B-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1277 | RP     |                  | 1IRB-1A     | W Nbfd66S        | 1C-151-155       | 1C-153   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1278 | RP     |                  | 1IRB-1B     | W Nbfd66S        | 1C-161-165       | 1C-163   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1279 | RP     |                  | 1IRB-2A     | W Nbfd66S        | 1C-151-155       | 1C-153   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1280 | RP     |                  | 1IRB-2B     | W Nbfd66S        | 1C-161-165       | 1C-163   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1281 | RP     |                  | 1LC-426A-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1282 | RP     |                  | 1LC-426A-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1283 | RP     |                  | 1LC-426A-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1284 | RP     |                  | 1LC-426A-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1285 | RP     |                  | 1LC-427A-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1286 | RP     |                  | 1LC-427A-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1287 | RP     |                  | 1LC-427A-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1288 | RP     |                  | 1LC-427A-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1289 | RP     |                  | 1LC-428A-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1290 | RP     |                  | 1LC-428A-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1291 | RP     |                  | 1LC-428A-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1292 | RP     |                  | 1LC-428A-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1293 | RP     |                  | 1LC-461B-XA | W BF57F          | 1C-151-155       | 1C-151   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1294 | RP     |                  | 1LC-461B-XB | W BF57F          | 1C-161-165       | 1C-161   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1295 | RP     |                  | 1LC-461B-YA | W BF57F          | 1C-151-155       | 1C-151   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1296 | RP     |                  | 1LC-461B-YB | W BF57F          | 1C-161-165       | 1C-161   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1297 | RP     |                  | 1LC-462A-XA | W BF57F          | 1C-151-155       | 1C-153   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1298 | RP     |                  | 1LC-462A-XB | W BF57F          | 1C-161-165       | 1C-163   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1299 | RP     |                  | 1LC-462A-YA | W BF57F          | 1C-151-155       | 1C-153   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1300 | RP     |                  | 1LC-462A-YB | W BF57F          | 1C-161-165       | 1C-163   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1301 | RP     |                  | 1LC-462C-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1302 | RP     |                  | 1LC-462C-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1303 | RP     |                  | 1LC-462C-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1304 | RP     |                  | 1LC-462C-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1305 | RP     |                  | 1LC-463C-XA | W BF57F          | 1C-151-155       | 1C-154   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1306 | RP     |                  | 1LC-463C-XB | W BF57F          | 1C-161-165       | 1C-164   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1307 | RP     |                  | 1LC-463C-YA | W BF57F          | 1C-151-155       | 1C-154   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1308 | RP     |                  | 1LC-463C-YB | W BF57F          | 1C-161-165       | 1C-164   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1309 | RP     |                  | 1LC-463E-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1310 | RP     |                  | 1LC-463E-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1311 | RP     |                  | 1LC-463E-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1312 | RP     |                  | 1LC-463E-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1313 | RP     |                  | 1LC-471B-XA | W BF57F          | 1C-151-155       | 1C-154   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1314 | RP     |                  | 1LC-471B-XB | W BF57F          | 1C-161-165       | 1C-164   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1315 | RP     |                  | 1LC-471B-YA | W BF57F          | 1C-151-155       | 1C-154   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1316 | RP     |                  | 1LC-471B-YB | W BF57F          | 1C-161-165       | 1C-164   | 617F354 CH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1317 | RP     |                  | 1LC-472A-XA | W BF57F          | 1C-151-155       | 1C-151   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1318 | RP     |                  | 1LC-472A-XB | W BF57F          | 1C-161-165       | 1C-161   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1319 | RP     |                  | 1LC-472A-YA | W BF57F          | 1C-151-155       | 1C-151   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1320 | RP     |                  | 1LC-472A-YB | W BF57F          | 1C-161-165       | 1C-161   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1321 | RP     |                  | 1LC-472C-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1322 | RP     |                  | 1LC-472C-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1323 | RP     |                  | 1LC-472C-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1324 | RP     |                  | 1LC-472C-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1325 | RP     |                  | 1LC-473C-XA | W BF57F          | 1C-151-155       | 1C-152   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1326 | RP     |                  | 1LC-473C-XB | W BF57F          | 1C-161-165       | 1C-162   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1327 | RP     |                  | 1LC-473C-YA | W BF57F          | 1C-151-155       | 1C-152   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1328 | RP     |                  | 1LC-473C-YB | W BF57F          | 1C-161-165       | 1C-162   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1329 | RP     |                  | 1LC-473E-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1330 | RP     |                  | 1LC-473E-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1331 | RP     |                  | 1LC-473E-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1332 | RP     |                  | 1LC-473E-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1333 | RP     |                  | 1NC-31D-XA  | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1334 | RP     |                  | 1NC-31D-XB  | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1335 | RP     |                  | 1NC-31D-YA  | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1336 | RP     |                  | 1NC-31D-YB  | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1337 | RP     |                  | 1NC-32D-XA  | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1338 | RP     |                  | 1NC-32D-XB  | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1339 | RP     |                  | 1NC-32D-YA  | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1340 | RP     |                  | 1NC-32D-YB  | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1341 | RP     |                  | 1NC-35D-XA  | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1342 | RP     |                  | 1NC-35D-XB  | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1343 | RP     |                  | 1NC-35D-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1344 | RP     |                  | 1NC-35D-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1345 | RP     |                  | 1NC-35D-ZA | W BF30F          | 1C-151-155       | 1C-151   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1346 | RP     |                  | 1NC-35D-ZB | W BF30F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1347 | RP     |                  | 1NC-35F-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1348 | RP     |                  | 1NC-35F-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1349 | RP     |                  | 1NC-35F-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1350 | RP     |                  | 1NC-35F-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1351 | RP     |                  | 1NC-35F-ZA | W BF30F          | 1C-151-155       | 1C-151   | 617F354 SH6A  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1352 | RP     |                  | 1NC-35F-ZB | W BF30           | 1C-161-165       | 1C-161   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1353 | RP     |                  | 1NC-36D-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1354 | RP     |                  | 1NC-36D-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1355 | RP     |                  | 1NC-36D-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1356 | RP     |                  | 1NC-36D-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1357 | RP     |                  | 1NC-36D-ZA | W BF30F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1358 | RP     |                  | 1NC-36D-ZB | W BF30F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1359 | RP     |                  | 1NC-36F-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                             |
|------|--------|------------------|------------|------------------|------------------|----------|---------------|----------------------------|---------------------------------------|
| 1360 | RP     |                  | 1NC-36F-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | SS                         | Relay GERS or Specific Qualification  |
| 1361 | RP     |                  | 1NC-36F-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable  |
| 1362 | RP     |                  | 1NC-36F-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable  |
| 1363 | RP     |                  | 1NC-36F-ZA | W BF30F          | 1C-151-155       | 1C-152   | 617F354 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable  |
| 1364 | RP     |                  | 1NC-36F-ZB | W BF30F          | 1C-161-165       | 1C-162   | 617F354 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable  |
| 1365 | RP     |                  | 1NC-41K-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH8A1 | SS                         | Relay GERS or Specific Qualification  |
| 1366 | RP     |                  | 1NC-41K-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH8B1 | SS                         | Relay GERS or Specific Qualification  |
| 1367 | RP     |                  | 1NC-41M-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH6A2 | SS                         | Relay GERS or Specific Qualification  |
| 1368 | RP     |                  | 1NC-41M-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH6B2 | SS                         | Relay GERS or Specific Qualification  |
| 1369 | RP     |                  | 1NC-41M-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable  |
| 1370 | RP     |                  | 1NC-41M-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable  |
| 1371 | RP     |                  | 1NC-41M-ZA | W BF30F          | 1C-151-155       | 1C-151   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction: Acceptable |
| 1372 | RP     |                  | 1NC-41M-ZB | W BF30F          | 1C-161-165       | 1C-161   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable  |
| 1373 | RP     |                  | 1NC-41N-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH9A1 | SS                         | Relay GERS or Specific Qualification  |
| 1374 | RP     |                  | 1NC-41N-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification  |
| 1375 | RP     |                  | 1NC-41N-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable  |
| 1376 | RP     |                  | 1NC-41N-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable  |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 1377 | RP     |                  | 1NC-41P-XA | W BF66F          | 1C-151-15E       | 1C-151   | 617F354 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1378 | RP     |                  | 1NC-41P-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1379 | RP     |                  | 1NC-41P-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1380 | RP     |                  | 1NC-41P-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1381 | RP     |                  | 1NC-41P-ZA | W BF30F          | 1C-151-155       | 1C-151   | 617F354 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1382 | RP     |                  | 1NC-41P-ZB | W BF30F          | 1C-161-165       | 1C-161   | 617F354 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1383 | RP     |                  | 1NC-41R-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1384 | RP     |                  | 1NC-41R-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1385 | RP     |                  | 1NC-41R-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH8A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1386 | RP     |                  | 1NC-41R-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH8B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1387 | RP     |                  | 1NC-41S-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1388 | RP     |                  | 1NC-41S-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1389 | RP     |                  | 1NC-41S-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1390 | RP     |                  | 1NC-41S-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1391 | RP     |                  | 1NC-42K-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1392 | RP     |                  | 1NC-42K-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1393 | RP     |                  | 1NC-42M-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH6A2  | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1394 | RP     |                  | 1NC-42M-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH6B2 | SS                         | Relay GERS or Specific Qualification |
| 1395 | RP     |                  | 1NC-42M-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1396 | RP     |                  | 1NC-42M-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1397 | RP     |                  | 1NC-42M-ZA | W BF30F          | 1C-151-155       | 1C-152   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1398 | RP     |                  | 1NC-42M-ZB | W BF30F          | 1C-161-165       | 1C-162   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1399 | RP     |                  | 1NC-42N-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1400 | RP     |                  | 1NC-42N-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1401 | RP     |                  | 1NC-42N-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1402 | RP     |                  | 1NC-42N-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1403 | RP     |                  | 1NC-42P-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH6A2 | SS                         | Relay GERS or Specific Qualification |
| 1404 | RP     |                  | 1NC-42P-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH6B2 | SS                         | Relay GERS or Specific Qualification |
| 1405 | RP     |                  | 1NC-42P-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1406 | RP     |                  | 1NC-42P-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1407 | RP     |                  | 1NC-42P-ZA | W BF30F          | 1C-151-155       | 1C-152   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1408 | RP     |                  | 1NC-42P-ZB | W BF30F          | 1C-161-165       | 1C-162   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1409 | RP     |                  | 1NC-42R-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH8A1 | SS                         | Relay GERS or Specific Qualification |
| 1410 | RP     |                  | 1NC-42R-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH8B1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 1411 | RP     |                  | 1NC-42R-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH8A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1412 | RP     |                  | 1NC-42R-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH8B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1413 | RP     |                  | 1NC-42S-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1414 | RP     |                  | 1NC-42S-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1415 | RP     |                  | 1NC-42S-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1416 | RP     |                  | 1NC-42S-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1417 | RP     |                  | 1NC-43K-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1418 | RP     |                  | 1NC-43K-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1419 | RP     |                  | 1NC-43M-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1420 | RP     |                  | 1NC-43M-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1421 | RP     |                  | 1NC-43M-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1422 | RP     |                  | 1NC-43M-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1423 | RP     |                  | 1NC-43M-ZA | W BF30F          | 1C-151-155       | 1C-153   | 617F354 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1424 | RP     |                  | 1NC-43M-ZB | W BF30F          | 1C-161-165       | 1C-163   | 617F354 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1425 | RP     |                  | 1NC-43N-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 1426 | RP     |                  | 1NC-43N-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 1427 | RP     |                  | 1NC-43N-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 1428 | RP     |                  | 1NC-43N-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH9E1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1429 | RP     |                  | 1NC-43P-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1430 | RP     |                  | 1NC-43P-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1431 | RP     |                  | 1NC-43P-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1432 | RP     |                  | 1NC-43P-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1433 | RP     |                  | 1NC-43P-ZA | W BF30F          | 1C-151-155       | 1C-153   | 617F354 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1434 | RP     |                  | 1NC-43P-ZB | W BF30F          | 1C-161-165       | 1C-163   | 617F354 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1435 | RP     |                  | 1NC-43R-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1436 | RP     |                  | 1NC-43R-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1437 | RP     |                  | 1NC-43R-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH8A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1438 | RP     |                  | 1NC-43R-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH8B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1439 | RP     |                  | 1NC-43S-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1440 | RP     |                  | 1NC-43S-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1441 | RP     |                  | 1NC-43S-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1442 | RP     |                  | 1NC-43S-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1443 | RP     |                  | 1NC-44K-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1444 | RP     |                  | 1NC-44K-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH8B1  | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1445 | RP     |                  | 1NC-44M-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH6A2 | SS                         | Relay GERS or Specific Qualification |
| 1446 | RP     |                  | 1NC-44M-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH6B2 | SS                         | Relay GERS or Specific Qualification |
| 1447 | RP     |                  | 1NC-44M-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1448 | RP     |                  | 1NC-44M-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1449 | RP     |                  | 1NC-44M-ZA | W BF30F          | 1C-151-155       | 1C-154   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1450 | RP     |                  | 1NC-44M-ZB | W BF30F          | 1C-161-165       | 1C-164   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1451 | RP     |                  | 1NC-44N-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1452 | RP     |                  | 1NC-44N-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1453 | RP     |                  | 1NC-44N-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1454 | RP     |                  | 1NC-44N-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1455 | RP     |                  | 1NC-44P-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH6A2 | SS                         | Relay GERS or Specific Qualification |
| 1456 | RP     |                  | 1NC-44P-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH6B2 | SS                         | Relay GERS or Specific Qualification |
| 1457 | RP     |                  | 1NC-44P-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1458 | RP     |                  | 1NC-44P-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1459 | RP     |                  | 1NC-44P-ZA | W BF30F          | 1C-151-155       | 1C-154   | 617F354 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1460 | RP     |                  | 1NC-44P-ZB | W BF30F          | 1C-161-165       | 1C-164   | 617F354 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1461 | RP     |                  | 1NC-44R-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH8A1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 1462 | RP     |                  | 1NC-44R-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1463 | RP     |                  | 1NC-44R-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH8A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1464 | RP     |                  | 1NC-44R-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH8B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1465 | RP     |                  | 1NC-44S-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1466 | RP     |                  | 1NC-44S-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1467 | RP     |                  | 1NC-44S-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1468 | RP     |                  | 1NC-44S-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1469 | RP     |                  | 1P07-1A    | W NBFD66S        | 1C-151-155       | 1C-154   | 617F354 SH4A1  | SS                         | Relay GERS or Specific Qualification |
| 1470 | RP     |                  | 1P07-1B    | W NBFD84S        | 1C-161-165       | 1C-164   | 617F354 SH4B1  | SS                         | Relay GERS or Specific Qualification |
| 1471 | RP     |                  | 1P07-2A    | W NBFD66S        | 1C-151-155       | 1C-154   | 617F354 SH4A1  | SS                         | Relay GERS or Specific Qualification |
| 1472 | RP     |                  | 1P07-2B    | W NBFD84S        | 1C-161-165       | 1C-164   | 617F354 SH4B1  | SS                         | Relay GERS or Specific Qualification |
| 1473 | RP     |                  | 1P07-3A    | W NBFD66S        | 1C-151-155       | 1C-154   | 617F354 SH4A1  | SS                         | Relay GERS or Specific Qualification |
| 1474 | RP     |                  | 1P07-3B    | W NBFD84S        | 1C-161-165       | 1C-164   | 617F354 SH4B1  | SS                         | Relay GERS or Specific Qualification |
| 1475 | RP     |                  | 1P08-1A    | W NBFD66S        | 1C-151-155       | 1C-154   | 617F354 SH4A1  | SS                         | Relay GERS or Specific Qualification |
| 1476 | RP     |                  | 1P08-1B    | W NBFD66S        | 1C-161-165       | 1C-164   | 617F354 SH4B1  | SS                         | Relay GERS or Specific Qualification |
| 1477 | RP     |                  | 1P08-2A    | W NBFD66S        | 1C-151-155       | 1C-154   | 617F354 SH4A1  | SS                         | Relay GERS or Specific Qualification |
| 1478 | RP     |                  | 1P08-2B    | W NBFD66S        | 1C-161-165       | 1C-164   | 617F354 SH4B1  | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1479 | RP     |                  | 1P09-1A     | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1480 | RP     |                  | 1P09-1B     | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1481 | RP     |                  | 1P09-2A     | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1482 | RP     |                  | 1P09-2B     | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1483 | RP     |                  | 1P10-1A     | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1484 | RP     |                  | 1P10-1B     | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1485 | RP     |                  | 1P10-2A     | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1486 | RP     |                  | 1P10-2B     | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1487 | RP     |                  | 1PC-429A-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1488 | RP     |                  | 1PC-429A-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1489 | RP     |                  | 1PC-429A-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1490 | RP     |                  | 1PC-429A-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1491 | RP     |                  | 1PC-429E-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1492 | RP     |                  | 1PC-429E-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1493 | RP     |                  | 1PC-429E-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1494 | RP     |                  | 1PC-429E-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1495 | RP     |                  | 1PC-430A-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1496 | RP     |                  | 1PC-430A-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1497 | RP     |                  | 1PC-430A-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1498 | RP     |                  | 1PC-430A-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1499 | RP     |                  | 1PC-430H-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1500 | RP     |                  | 1PC-430H-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1501 | RP     |                  | 1PC-430H-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1502 | RP     |                  | 1PC-430H-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1503 | RP     |                  | 1PC-431A-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1504 | RP     |                  | 1PC-431A-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1505 | RP     |                  | 1PC-431A-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1506 | RP     |                  | 1PC-431A-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1507 | RP     |                  | 1PC-431J-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1508 | RP     |                  | 1PC-431J-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1509 | RP     |                  | 1PC-431J-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1510 | RP     |                  | 1PC-431J-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1511 | RP     |                  | 1PC-449A-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1512 | RP     |                  | 1PC-449A-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH8B2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING        | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|----------------|----------------------------|--------------------------------------|
| 1513 | RP     |                  | 1PC-449A-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH8A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1514 | RP     |                  | 1PC-449A-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH8B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1515 | RP     |                  | 1PC-494A-XA | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1516 | RP     |                  | 1PC-484A-XB | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1517 | RP     |                  | 1PC-484A-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1518 | RP     |                  | 1PC-484A-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH10B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1519 | RP     |                  | 1PC-485A-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 1520 | RP     |                  | 1PC-485A-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 1521 | RP     |                  | 1PC-485A-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1522 | RP     |                  | 1PC-485A-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH9B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1523 | RP     |                  | 1PC-486A-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 1524 | RP     |                  | 1PC-486A-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 1525 | RP     |                  | 1PC-486A-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1526 | RP     |                  | 1PC-486A-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH9B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1527 | RP     |                  | 1PRB-1A     | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH4A2  | SS                         | Relay GERS or Specific Qualification |
| 1528 | RP     |                  | 1PRB-1B     | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH4B2  | SS                         | Relay GERS or Specific Qualification |
| 1529 | RP     |                  | 1PRB-2A     | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH4A2  | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID  | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-----------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1530 | RP     |                  | 1PRB-2B   | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1531 | RP     |                  | 1RC-1A    | W Nbfd42S        | 1C-151-155       | 1C-152   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1532 | RP     |                  | 1RC-1B    | W Nbfd42S        | 1C-161-165       | 1C-162   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1533 | RP     |                  | 1RC-2A    | W Nbfd42S        | 1C-151-155       | 1C-152   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1534 | RP     |                  | 1RC-2B    | W Nbfd42S        | 1C-161-165       | 1C-162   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1535 | RP     |                  | 1RC-3A    | W Nbfd42S        | 1C-151-155       | 1C-153   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1536 | RP     |                  | 1RC-3B    | W Nbfd42S        | 1C-161-165       | 1C-163   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1537 | RP     |                  | 1RC-4A    | W Nbfd42S        | 1C-151-155       | 1C-153   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1538 | RP     |                  | 1RC-4B    | W Nbfd42S        | 1C-161-165       | 1C-163   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1539 | RP     |                  | 1RCP-A-XA | W Nbfd66S        | 1C-151-155       | 1C-151   | 617F354 SH9A2 | SS                         | Relay GERS or Specific Qualification |
| 1540 | RP     |                  | 1RCP-A-XB | W Nbfd66S        | 1C-161-165       | 1C-161   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1541 | RP     |                  | 1RCP-A-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH9A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1542 | RP     |                  | 1RCP-A-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1543 | RP     |                  | 1RCP-B-XA | W Nbfd66S        | 1C-151-155       | 1C-152   | 617F354 SH9A2 | SS                         | Relay GERS or Specific Qualification |
| 1544 | RP     |                  | 1RCP-B-XB | W Nbfd66S        | 1C-161-165       | 1C-162   | 617F354 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1545 | RP     |                  | 1RCP-B-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH9A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1546 | RP     |                  | 1RCP-B-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SEL COMPONENT | RELAY ID | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|-----------------|----------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1547 | RP     |                 | 1RT-10A  | W Nbfd31S        | 1C-151-155       | 1C-154   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1548 | RP     |                 | 1RT-10B  | W Nbfd31S        | 1C-161-165       | 1C-164   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1549 | RP     |                 | 1RT-11A  | W Nbfd31S        | 1C-151-155       | 1C-154   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1550 | RP     |                 | 1RT-11B  | W Nbfd31S        | 1C-161-165       | 1C-164   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1551 | RP     |                 | 1RT-12A  | W Nbfd31S        | 1C-151-155       | 1C-154   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1552 | RP     |                 | 1RT-12B  | W Nbfd31S        | 1C-161-165       | 1C-164   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1553 | RP     |                 | 1RT-1A   | W Nbfd31S        | 1C-151-155       | 1C-151   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1554 | RP     |                 | 1RT-1B   | W Nbfd31S        | 1C-161-165       | 1C-161   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1555 | RP     |                 | 1RT-2A   | W Nbfd31S        | 1C-151-155       | 1C-151   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1556 | RP     |                 | 1RT-2B   | W Nbfd31S        | 1C-161-165       | 1C-161   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1557 | RP     |                 | 1RT-3A   | W Nbfd31S        | 1C-151-155       | 1C-152   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1558 | RP     |                 | 1RT-3B   | W Nbfd31S        | 1C-161-165       | 1C-162   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1559 | RP     |                 | 1RT-4A   | W Nbfd31S        | 1C-151-155       | 1C-152   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1560 | RP     |                 | 1RT-4B   | W Nbfd31S        | 1C-161-165       | 1C-162   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1561 | RP     |                 | 1RT-5A   | W Nbfd31S        | 1C-151-155       | 1C-153   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1562 | RP     |                 | 1RT-5B   | W Nbfd31S        | 1C-161-165       | 1C-163   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1563 | RP     |                 | 1RT-6A   | W Nbfd31S        | 1C-151-155       | 1C-153   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1564 | RP     |                  | 1RT-6B      | W Nbfd31S        | 1C-161-165       | 1C-163   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1565 | RP     |                  | 1RT-7A      | W Nbfd31S        | 1C-151-155       | 1C-153   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1566 | RP     |                  | 1RT-7B      | W Nbfd31S        | 1C-161-165       | 1C-163   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1567 | RP     |                  | 1RT-8A      | W Nbfd31S        | 1C-151-155       | 1C-153   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1568 | RP     |                  | 1RT-8B      | W Nbfd31S        | 1C-161-165       | 1C-163   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1569 | RP     |                  | 1RT-9A      | W Nbfd31S        | 1C-151-155       | 1C-154   | 617F354 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1570 | RP     |                  | 1RT-9B      | W Nbfd31S        | 1C-161-165       | 1C-164   | 617F354 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1571 | RP     |                  | 1SI-11X-AXA | W Nbfd66S        | 1C-151-155       | 1C-153   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1572 | RP     |                  | 1SI-11X-AXB | W Nbfd66S        | 1C-161-165       | 1C-163   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1573 | RP     |                  | 1SI-11X-AYA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1574 | RP     |                  | 1SI-11X-AYB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1575 | RP     |                  | 1SI-21X-BXA | W Nbfd66S        | 1C-151-155       | 1C-154   | 617F354 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1576 | RP     |                  | 1SI-21X-BXB | W Nbfd66S        | 1C-161-165       | 1C-164   | 617F354 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1577 | RP     |                  | 1SI-21X-BYA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1578 | RP     |                  | 1SI-21X-BYB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1579 | RP     |                  | 1SRB-1A     | W Nbfd66S        | 1C-151-155       | 1C-152   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1580 | RP     |                  | 1SRB-1B     | W Nbfd66S        | 1C-161-165       | 1C-162   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING       | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1581 | RP     |                  | 1SRB-2A     | W Nbfd66S        | 1C-151-155       | 1C-152   | 617F354 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1582 | RP     |                  | 1SRB-2B     | W Nbfd66S        | 1C-161-165       | 1C-162   | 617F354 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1583 | RP     |                  | 1TC-405A-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1584 | RP     |                  | 1TC-405A-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1585 | RP     |                  | 1TC-405A-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1586 | RP     |                  | 1TC-405A-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1587 | RP     |                  | 1TC-405C-XA | W BF66F          | 1C-151-155       | 1C-151   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1588 | RP     |                  | 1TC-405C-XB | W BF66F          | 1C-161-165       | 1C-161   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1589 | RP     |                  | 1TC-405C-YA | W BF22F          | 1C-151-155       | 1C-151   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1590 | RP     |                  | 1TC-405C-YB | W BF22F          | 1C-161-165       | 1C-161   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1591 | RP     |                  | 1TC-406A-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1592 | RP     |                  | 1TC-406A-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1593 | RP     |                  | 1TC-406A-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1594 | RP     |                  | 1TC-406A-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1595 | RP     |                  | 1TC-406C-XA | W BF66F          | 1C-151-155       | 1C-152   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1596 | RP     |                  | 1TC-406C-XB | W BF66F          | 1C-161-165       | 1C-162   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1597 | RP     |                  | 1TC-406C-YA | W BF22F          | 1C-151-155       | 1C-152   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DR. WING      | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------|----------------------------|--------------------------------------|
| 1598 | RP     |                  | 1TC-406C-YB | W BF22F          | 1C-161-165       | 1C-162   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1599 | RP     |                  | 1TC-407A-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1600 | RP     |                  | 1TC-407A-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1601 | RP     |                  | 1TC-407A-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1602 | RP     |                  | 1TC-407A-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1603 | RP     |                  | 1TC-407C-XA | W BF66F          | 1C-151-155       | 1C-153   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1604 | RP     |                  | 1TC-407C-XB | W BF66F          | 1C-161-165       | 1C-163   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1605 | RP     |                  | 1TC-407C-YA | W BF22F          | 1C-151-155       | 1C-153   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1606 | RP     |                  | 1TC-407C-YB | W BF22F          | 1C-161-165       | 1C-163   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1607 | RP     |                  | 1TC-408A-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1608 | RP     |                  | 1TC-408A-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1609 | RP     |                  | 1TC-408A-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1610 | RP     |                  | 1TC-408A-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1611 | RP     |                  | 1TC-408C-XA | W BF66F          | 1C-151-155       | 1C-154   | 617F354 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1612 | RP     |                  | 1TC-408C-XB | W BF66F          | 1C-161-165       | 1C-164   | 617F354 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1613 | RP     |                  | 1TC-408C-YA | W BF22F          | 1C-151-155       | 1C-154   | 617F354 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1614 | RP     |                  | 1TC-408C-YB | W BF22F          | 1C-161-165       | 1C-164   | 617F354 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1615 | RP     |                  | 2-1/N-31B-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1616 | RP     |                  | 2-1/N-31B-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1617 | RP     |                  | 2-1/N-31B-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1618 | RP     |                  | 2-1/N-31B-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1619 | RP     |                  | 2-1/N-31B-ZA | W BF30F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1620 | RP     |                  | 2-1/N-31B-ZB | W BF30F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1621 | RP     |                  | 2-1/N-32B-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1622 | RP     |                  | 2-1/N-32B-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1623 | RP     |                  | 2-1/N-32B-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1624 | RP     |                  | 2-1/N-32B-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1625 | RP     |                  | 2-1/N-32B-ZA | W BF30F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1626 | RP     |                  | 2-1/N-32B-ZB | W BF30F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1627 | RP     |                  | 2-1/N-33A-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1628 | RP     |                  | 2-1/N-33A-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1629 | RP     |                  | 2-1/N-33A-ZA | W BF30F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1630 | RP     |                  | 2-1/N-33B-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1631 | RP     |                  | 2-1/N-33B-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING            | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|--------------------|----------------------------|--------------------------------------|
| 1632 | RP     |                  | 2-1/N-33B-ZB | W BF30F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1633 | RP     |                  | 2-1/N-35A-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1634 | RP     |                  | 2-1/N-35A-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1635 | RP     |                  | 2-1/N-35A-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1636 | RP     |                  | 2-1/N-35A-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1637 | RP     |                  | 2-1/N-35A-ZA | W BF30F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1638 | RP     |                  | 2-1/N-35A-ZB | W BF30F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1639 | RP     |                  | 2-1/N-36A-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1640 | RP     |                  | 2-1/N-36A-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1641 | RP     |                  | 2-1/N-36A-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1642 | RP     |                  | 2-1/N-36A-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1643 | RP     |                  | 2-1/N-36A-ZA | W BF30F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1644 | RP     |                  | 2-1/N-36A-ZB | W BF30F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1645 | RP     |                  | 2-1/N-38A-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1646 | RP     |                  | 2-1/N-38A-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1647 | RP     |                  | 2-1/N-38A-ZA | W BF30F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1648 | RP     |                  | 2-1/N-38B-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH6B1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1649 | RP     |                  | 2-1/N-38B-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1650 | RP     |                  | 2-1/N-38B-ZB | W BF30F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1651 | RP     |                  | 2-1/N-39A-XA | W Nbfd66S        | 2C-151-155       | 2C-151   | 617F354-2 SH6A2 | SS                         | Relay GERS or Specific Qualification |
| 1652 | RP     |                  | 2-1/N-39A-XB | W Nbfd66S        | 2C-161-165       | 2C-161   | 617F354-2 SH6B2 | SS                         | Relay GERS or Specific Qualification |
| 1653 | RP     |                  | 2-1/N-39A-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1654 | RP     |                  | 2-1/N-39A-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1655 | RP     |                  | 2-1/N-39B-XA | W Nbfd66S        | 2C-151-155       | 2C-151   | 617F354-2 SH6A2 | SS                         | Relay GERS or Specific Qualification |
| 1656 | RP     |                  | 2-1/N-39B-XB | W Nbfd66S        | 2C-161-165       | 2C-161   | 617F354-2 SH6B2 | SS                         | Relay GERS or Specific Qualification |
| 1657 | RP     |                  | 2-1/N-39B-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1658 | RP     |                  | 2-1/N-39B-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1659 | RP     |                  | 2-1/N-41K-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A1 | SS                         | Relay GERS or Specific Qualification |
| 1660 | RP     |                  | 2-1/N-41K-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B1 | SS                         | Relay GERS or Specific Qualification |
| 1661 | RP     |                  | 2-1/N-42K-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A1 | SS                         | Relay GERS or Specific Qualification |
| 1662 | RP     |                  | 2-1/N-42K-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B1 | SS                         | Relay GERS or Specific Qualification |
| 1663 | RP     |                  | 2-1/N-43K-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A1 | SS                         | Relay GERS or Specific Qualification |
| 1664 | RP     |                  | 2-1/N-43K-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B1 | SS                         | Relay GERS or Specific Qualification |
| 1665 | RP     |                  | 2-1/N-44K-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2 SH8A1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 1666 | RP     |                  | 2-1/N-44K-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1667 | RP     |                  | 2-1/N-47A-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1668 | RP     |                  | 2-1/N-47A-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1669 | RP     |                  | 2-1/N-47A-ZA | W BF30F          | 2C-151-155       | 2C-154   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1670 | RP     |                  | 2-1/N-47B-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1671 | RP     |                  | 2-1/N-47B-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1672 | RP     |                  | 2-1/N-47B-ZB | W BF30F          | 2C-161-165       | 2C-164   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1673 | RP     |                  | 2-273/A01-XA | W Nbfd66S        | 2C-151-155       | 2C-151   | 617F354-2 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1674 | RP     |                  | 2-273/A01-XB | W Nbfd66S        | 2C-161-165       | 2C-161   | 617F354-2 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1675 | RP     |                  | 2-273/A01-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1676 | RP     |                  | 2-273/A01-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1677 | RP     |                  | 2-273/A02-XA | W Nbfd66S        | 2C-151-155       | 2C-153   | 617F354-2 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1678 | RP     |                  | 2-273/A02-XB | W Nbfd66S        | 2C-161-165       | 2C-163   | 617F354-2 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1679 | RP     |                  | 2-273/A02-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1680 | RP     |                  | 2-273/A02-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1681 | RP     |                  | 2-274/A01-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1682 | RP     |                  | 2-274/A01-XB | W Nbfd66S        | 2C-161-165       | 2C-162   | 617F354-2 SH10B1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 1683 | RP     |                  | 2-274/A01-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1684 | RP     |                  | 2-274/A01-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1685 | RP     |                  | 2-274/A02-XA | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1686 | RP     |                  | 2-274/A02-XB | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1687 | RP     |                  | 2-274/A02-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1688 | RP     |                  | 2-274/A02-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1689 | RP     |                  | 2-33AC-SL-XA | W Nbfd66S        | 2C-151-155       | 2C-153   | 617F354-2 SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1690 | RP     |                  | 2-33AC-SL-XB | W Nbfd66S        | 2C-161-165       | 2C-163   | 617F354-2 SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1691 | RP     |                  | 2-33AC-SL-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1692 | RP     |                  | 2-33AC-SL-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH10B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1693 | RP     |                  | 2-33AC-SR-XA | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1694 | RP     |                  | 2-33AC-SR-XB | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1695 | RP     |                  | 2-33AC-SR-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2 SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1696 | RP     |                  | 2-33AC-SR-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2 SH10B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1697 | RP     |                  | 2-63/AST3-XA | W Nbfd66S        | 2C-151-155       | 2C-152   | 617F354-2 SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1698 | RP     |                  | 2-63/AST3-XB | W Nbfd66S        | 2C-161-165       | 2C-162   | 617F354-2 SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1699 | RP     |                  | 2-63/AST3-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING             | SCREENING CODE (w/ note #) | SCREENING                               |
|------|--------|------------------|--------------|------------------|------------------|----------|---------------------|----------------------------|---|
| 1700 | RP     |                  | 2-63/AST3-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1701 | RP     |                  | 2-63/AST4-XA | W Nbfd66S        | 2C-151-155       | 2C-153   | 617F354-2<br>SH10A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1702 | RP     |                  | 2-63/AST4-XB | W Nbfd66S        | 2C-161-165       | 2C-163   | 617F354-2<br>SH10B2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1703 | RP     |                  | 2-63/AST4-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH10A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1704 | RP     |                  | 2-63/AST4-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1705 | RP     |                  | 2-63/AST5-XA | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2<br>SH10A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1706 | RP     |                  | 2-63/AST5-XB | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2<br>SH10B2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1707 | RP     |                  | 2-63/AST5-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH10A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1708 | RP     |                  | 2-63/AST5-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1709 | RP     |                  | 2A52-06-XA   | W Nbfd66S        | 2C-151-155       | 2C-153   | 617F354-2<br>SH10A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1710 | RP     |                  | 2A52-06-XB   | W Nbfd66S        | 2C-161-165       | 2C-163   | 617F354-2<br>SH10B2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1711 | RP     |                  | 2A52-06-YA   | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH10A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1712 | RP     |                  | 2A52-06-YB   | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1713 | RP     |                  | 2A52-12-XA   | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2<br>SH10A2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1714 | RP     |                  | 2A52-12-XB   | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2<br>SH10B2 | SS                         | Relay GERS or Specific<br>Qualification |
| 1715 | RP     |                  | 2A52-12-YA   | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH10A2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1716 | RP     |                  | 2A52-12-YB   | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH10B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING            | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|--------------------|----------------------------|--------------------------------------|
| 1717 | RP     |                  | 2FC-411-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1718 | RP     |                  | 2FC-411-XB | W BF66F          | 2C-161-165       | 2C-151   | 617F354-2<br>SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1719 | RP     |                  | 2FC-411-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1720 | RP     |                  | 2FC-411-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1721 | RP     |                  | 2FC-412-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1722 | RP     |                  | 2FC-412-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1723 | RP     |                  | 2FC-412-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1724 | RP     |                  | 2FC-412-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1725 | RP     |                  | 2FC-413-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1726 | RP     |                  | 2FC-413-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1727 | RP     |                  | 2FC-413-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1728 | RP     |                  | 2FC-413-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1729 | RP     |                  | 2FC-414-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1730 | RP     |                  | 2FC-414-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1731 | RP     |                  | 2FC-414-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1732 | RP     |                  | 2FC-414-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1733 | RP     |                  | 2FC-415-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH9A1 | SS                         | Relay GERS or Specific Qualification |



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TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1734 | RP     |                  | 2FC-415-XB  | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1735 | RP     |                  | 2FC-415-YA  | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1736 | RP     |                  | 2FC-415-YB  | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1737 | RP     |                  | 2FC-416-XA  | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2 SH9A1 | SS                         | Relay GERS or Specific Qualification |
| 1738 | RP     |                  | 2FC-416-XB  | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2 SH9B1 | SS                         | Relay GERS or Specific Qualification |
| 1739 | RP     |                  | 2FC-416-YA  | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2 SH9A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1740 | RP     |                  | 2FC-416-YB  | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1741 | RP     |                  | 2FC-466C-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1742 | RP     |                  | 2FC-466C-XB | W BF66F          | 2C-161-155       | 2C-161   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1743 | RP     |                  | 2FC-466C-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1744 | RP     |                  | 2FC-466C-YB | W BF22F          | 2C-161-135       | 2C-161   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1745 | RP     |                  | 2FC-467B-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1746 | RP     |                  | 2FC-467B-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1747 | RP     |                  | 2FC-467B-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1748 | RP     |                  | 2FC-467B-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1749 | RP     |                  | 2FC-476C-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1750 | RP     |                  | 2FC-476C-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1751 | RP     |                  | 2FC-476C-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1752 | RP     |                  | 2FC-476C-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1753 | RP     |                  | 2FC-477B-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 1754 | RP     |                  | 2FC-477B-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 1755 | RP     |                  | 2FC-477B-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1756 | RP     |                  | 2FC-477B-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1757 | RP     |                  | 2IRB-1A     | W Nbfd66S        | 2C-151-155       | 2C-153   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1758 | RP     |                  | 2IRB-1B     | W Nbfd66S        | 2C-161-165       | 2C-163   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1759 | RP     |                  | 2IRB-2A     | W Nbfd66S        | 2C-151-155       | 2C-153   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1760 | RP     |                  | 2IRB-2B     | W Nbfd66S        | 2C-161-165       | 2C-163   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1761 | RP     |                  | 2LC-426A-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1762 | RP     |                  | 2LC-426A-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1763 | RP     |                  | 2LC-426A-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1764 | RP     |                  | 2LC-426A-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1765 | RP     |                  | 2LC-427A-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1766 | RP     |                  | 2LC-427A-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1767 | RP     |                  | 2LC-427A-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1768 | RP     |                  | 2LC-427A-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1769 | RP     |                  | 2LC-428A-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1770 | RP     |                  | 2LC-428A-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1771 | RP     |                  | 2LC-428A-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1772 | RP     |                  | 2LC-428A-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1773 | RP     |                  | 2LC-461B-XA | W BF57F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1774 | RP     |                  | 2LC-461B-XB | W BF57F          | 2C-161-165       | 2C-161   | 617F354-2 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1775 | RP     |                  | 2LC-461B-YA | W BF57F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1776 | RP     |                  | 2LC-461B-YB | W BF57F          | 2C-161-165       | 2C-161   | 617F354-2 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1777 | RP     |                  | 2LC-462A-XA | W BF57F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1778 | RP     |                  | 2LC-462A-XB | W BF57F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1779 | RP     |                  | 2LC-462A-YA | W BF57F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1780 | RP     |                  | 2LC-462A-YB | W BF57F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1781 | RP     |                  | 2LC-462C-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1782 | RP     |                  | 2LC-462C-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1783 | RP     |                  | 2LC-462C-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1784 | RP     |                  | 2LC-462C-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING            | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|--------------------|----------------------------|--------------------------------------|
| 1785 | RP     |                  | 2LC-463C-XA | W BF57F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1786 | RP     |                  | 2LC-463C-XB | W BF57F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1787 | RP     |                  | 2LC-463C-YA | W BF57F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1788 | RP     |                  | 2LC-463C-YB | W BF57F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1789 | RP     |                  | 2LC-463E-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1790 | RP     |                  | 2LC-463E-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1791 | RP     |                  | 2LC-463E-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1792 | RP     |                  | 2LC-463E-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1793 | RP     |                  | 2LC-471B-XA | W BF57F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1794 | RP     |                  | 2LC-471B-XB | W BF57F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1795 | RP     |                  | 2LC-471B-YA | W BF57F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1796 | RP     |                  | 2LC-471B-YB | W BF57F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1797 | RP     |                  | 2LC-472A-XA | W BF57F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1798 | RP     |                  | 2LC-472A-XB | W BF57F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1799 | RP     |                  | 2LC-472A-YA | W BF57F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1800 | RP     |                  | 2LC-472A-YB | W BF57F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1801 | RP     |                  | 2LC-472C-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH7A2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1802 | RP     |                  | 2LC-472C-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1803 | RP     |                  | 2LC-472C-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1804 | RP     |                  | 2LC-472C-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1805 | RP     |                  | 2LC-473C-XA | W BF57F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1806 | RP     |                  | 2LC-473C-XB | W BF57F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1807 | RP     |                  | 2LC-473C-YA | W BF57F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1808 | RP     |                  | 2LC-473C-YB | W BF57F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1809 | RP     |                  | 2LC-473E-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 1810 | RP     |                  | 2LC-473E-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 1811 | RP     |                  | 2LC-473E-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1812 | RP     |                  | 2LC-473E-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1813 | RP     |                  | 2NC-31D-XA  | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1814 | RP     |                  | 2NC-31D-XB  | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1815 | RP     |                  | 2NC-31D-YA  | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1816 | RP     |                  | 2NC-31D-YB  | W BF13F          | 2C-151-165       | 2C-161   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1817 | RP     |                  | 2NC-32D-XA  | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1818 | RP     |                  | 2NC-32D-XB  | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING            | SCREENING CODE (w/ note #) | SCREENING                               |
|------|--------|------------------|------------|------------------|------------------|----------|--------------------|----------------------------|---|
| 1819 | RP     |                  | 2NC-32D-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1820 | RP     |                  | 2NC-32D-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1821 | RP     |                  | 2NC-35D-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1822 | RP     |                  | 2NC-35D-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1823 | RP     |                  | 2NC-35D-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1824 | RP     |                  | 2NC-35D-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1825 | RP     |                  | 2NC-35D-ZA | W BF30F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1826 | RP     |                  | 2NC-35D-ZB | W Nbfd31S        | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1827 | RP     |                  | 2NC-35F-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1828 | RP     |                  | 2NC-35F-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1829 | RP     |                  | 2NC-35F-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1830 | RP     |                  | 2NC-35F-YB | W BF13F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1831 | RP     |                  | 2NC-35F-ZA | W BF30F          | 2C-151-155       | 2C-151   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1832 | RP     |                  | 2NC-35F-ZB | W BF30F          | 2C-161-165       | 2C-161   | 617F354-2<br>SH6B2 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |
| 1833 | RP     |                  | 2NC-36D-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH6A1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1834 | RP     |                  | 2NC-36D-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH6B1 | SS                         | Relay GERS or Specific<br>Qualification |
| 1835 | RP     |                  | 2NC-36D-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH6A1 | CA19                       | Circuit/Relay Malfunction<br>Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1836 | RP     |                  | 2NC-36D-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1837 | RP     |                  | 2NC-36D-ZA | W BF30F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1838 | RP     |                  | 2NC-36D-ZB | W BF30F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1839 | RP     |                  | 2NC-36F-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A1 | SS                         | Relay GERS or Specific Qualification |
| 1840 | RP     |                  | 2NC-36F-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | SS                         | Relay GERS or Specific Qualification |
| 1841 | RP     |                  | 2NC-36F-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1842 | RP     |                  | 2NC-36F-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1843 | RP     |                  | 2NC-36F-ZA | W BF30F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1844 | RP     |                  | 2NC-36F-ZB | W BF30F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1845 | RP     |                  | 2NC-41K-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A1 | SS                         | Relay GERS or Specific Qualification |
| 1846 | RP     |                  | 2NC-41K-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B1 | SS                         | Relay GERS or Specific Qualification |
| 1847 | RP     |                  | 2NC-41M-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A2 | SS                         | Relay GERS or Specific Qualification |
| 1848 | RP     |                  | 2NC-41M-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B2 | SS                         | Relay GERS or Specific Qualification |
| 1849 | RP     |                  | 2NC-41M-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1850 | RP     |                  | 2NC-41M-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1851 | RP     |                  | 2NC-41M-ZA | W BF30F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1852 | RP     |                  | 2NC-41M-ZB | W BF30F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B2 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 1853 | RP     |                  | 2NC-41N-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 1854 | RP     |                  | 2NC-41N-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 1855 | RP     |                  | 2NC-41N-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1856 | RP     |                  | 2NC-41N-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH9B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1857 | RP     |                  | 2NC-41P-XA | W BF57F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1858 | RP     |                  | 2NC-41P-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1859 | RP     |                  | 2NC-41P-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1860 | RP     |                  | 2NC-41P-YB | W BF13F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1861 | RP     |                  | 2NC-41P-ZA | W BF30F          | 2C-151-155       | 2C-151   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1862 | RP     |                  | 2NC-41P-ZB | W BF30F          | 2C-161-165       | 2C-161   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1863 | RP     |                  | 2NC-41R-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1864 | RP     |                  | 2NC-41R-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1865 | RP     |                  | 2NC-41R-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1866 | RP     |                  | 2NC-41R-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1867 | RP     |                  | 2NC-41S-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1868 | RP     |                  | 2NC-41S-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1869 | RP     |                  | 2NC-41S-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 1870 | RP     |                  | 2NC-41S-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1871 | RP     |                  | 2NC-42K-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1872 | RP     |                  | 2NC-42K-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1873 | RP     |                  | 2NC-42M-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1874 | RP     |                  | 2NC-42M-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1875 | RP     |                  | 2NC-42M-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1876 | RP     |                  | 2NC-42M-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1877 | RP     |                  | 2NC-42M-ZA | W BF30F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1878 | RP     |                  | 2NC-42M-ZB | W BF30F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1879 | RP     |                  | 2NC-42N-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 1880 | RP     |                  | 2NC-42N-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 1881 | RP     |                  | 2NC-42N-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1882 | RP     |                  | 2NC-42N-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH9B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1883 | RP     |                  | 2NC-42P-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1884 | RP     |                  | 2NC-42P-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1885 | RP     |                  | 2NC-42P-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1886 | RP     |                  | 2NC-42P-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |





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TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 1887 | RP     |                  | 2NC-42P-ZA | W BF30F          | 2C-151-155       | 2C-152   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1888 | RP     |                  | 2NC-42P-ZB | W BF30F          | 2C-161-165       | 2C-162   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1889 | RP     |                  | 2NC-42R-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1890 | RP     |                  | 2NC-42R-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1891 | RP     |                  | 2NC-42R-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1892 | RP     |                  | 2NC-42R-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1893 | RP     |                  | 2NC-42S-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1894 | RP     |                  | 2NC-42S-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1895 | RP     |                  | 2NC-42S-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1896 | RP     |                  | 2NC-42S-YB | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1897 | RP     |                  | 2NC-43K-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1898 | RP     |                  | 2NC-43K-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1899 | RP     |                  | 2NC-43M-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1900 | RP     |                  | 2NC-43M-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1901 | RP     |                  | 2NC-43M-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1902 | RP     |                  | 2NC-43M-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1903 | RP     |                  | 2NC-43M-ZA | W BF30F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |



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TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING          | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|------------------|----------------------------|--------------------------------------|
| 1904 | RP     |                  | 2NC-43M-ZB | W BF30F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1905 | RP     |                  | 2NC-43N-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 1906 | RP     |                  | 2NC-43N-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 1907 | RP     |                  | 2NC-43N-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1908 | RP     |                  | 2NC-43N-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH9B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1909 | RP     |                  | 2NC-43P-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1910 | RP     |                  | 2NC-43P-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1911 | RP     |                  | 2NC-43P-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1912 | RP     |                  | 2NC-43P-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1913 | RP     |                  | 2NC-43P-ZA | W BF30F          | 2C-151-155       | 2C-153   | 617F354-2 SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1914 | RP     |                  | 2NC-43P-ZB | W BF30F          | 2C-161-165       | 2C-163   | 617F354-2 SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1915 | RP     |                  | 2NC-43R-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1916 | RP     |                  | 2NC-43R-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1917 | RP     |                  | 2NC-43R-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1918 | RP     |                  | 2NC-43R-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1919 | RP     |                  | 2NC-43S-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1920 | RP     |                  | 2NC-43S-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH10B1 | SS                         | Relay GERS or Specific Qualification |



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TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING             | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|---------------------|----------------------------|--------------------------------------|
| 1921 | RP     |                  | 2NC-43S-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1922 | RP     |                  | 2NC-43S-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1923 | RP     |                  | 2NC-44K-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1924 | RP     |                  | 2NC-44K-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 1925 | RP     |                  | 2NC-44M-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1926 | RP     |                  | 2NC-44M-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1927 | RP     |                  | 2NC-44M-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1928 | RP     |                  | 2NC-44M-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1929 | RP     |                  | 2NC-44M-ZA | W BF30F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1930 | RP     |                  | 2NC-44M-ZB | W BF30F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1931 | RP     |                  | 2NC-44N-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 1932 | RP     |                  | 2NC-44N-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 1933 | RP     |                  | 2NC-44N-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1934 | RP     |                  | 2NC-44N-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH9B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1935 | RP     |                  | 2NC-44P-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH6A2  | SS                         | Relay GERS or Specific Qualification |
| 1936 | RP     |                  | 2NC-44P-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH6B2  | SS                         | Relay GERS or Specific Qualification |
| 1937 | RP     |                  | 2NC-44P-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |



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TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID   | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING             | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|------------|------------------|------------------|----------|---------------------|----------------------------|--------------------------------------|
| 1938 | RP     |                  | 2NC-44P-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1939 | RP     |                  | 2NC-44P-ZA | W BF30F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH6A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1940 | RP     |                  | 2NC-44P-ZB | W BF30F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH6B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1941 | RP     |                  | 2NC-44R-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH8A1  | SS                         | Relay GERS or Specific Qualification |
| 1942 | RP     |                  | 2NC-44R-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH8B1  | SS                         | Relay GERS or Specific Qualification |
| 1943 | RP     |                  | 2NC-44R-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH8A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1944 | RP     |                  | 2NC-44R-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH8B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1945 | RP     |                  | 2NC-44S-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH10A1 | SS                         | Relay GERS or Specific Qualification |
| 1946 | RP     |                  | 2NC-44S-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH10B1 | SS                         | Relay GERS or Specific Qualification |
| 1947 | RP     |                  | 2NC-44S-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH10A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1948 | RP     |                  | 2NC-44S-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH10B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1949 | RP     |                  | 2P07-1A    | W Nbfd84S        | 2C-151-155       | 2C-154   | 617F354-2<br>SH4A1  | SS                         | Relay GERS or Specific Qualification |
| 1950 | RP     |                  | 2P07-1B    | W Nbfd84D        | 2C-161-165       | 2C-164   | 617F354-2<br>SH4B1  | SS                         | Relay GERS or Specific Qualification |
| 1951 | RP     |                  | 2P07-2A    | W Nbfd84S        | 2C-151-155       | 2C-154   | 617F354-2<br>SH4A1  | SS                         | Relay GERS or Specific Qualification |
| 1952 | RP     |                  | 2P07-2B    | W Nbfd84D        | 2C-161-165       | 2C-164   | 617F354-2<br>SH4B1  | SS                         | Relay GERS or Specific Qualification |
| 1953 | RP     |                  | 2P07-3A    | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2<br>SH4A1  | SS                         | Relay GERS or Specific Qualification |
| 1954 | RP     |                  | 2P07-3B    | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2<br>SH4B1  | SS                         | Relay GERS or Specific Qualification |



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TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1955 | RP     |                  | 2P08-1A     | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1956 | RP     |                  | 2P08-1B     | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1957 | RP     |                  | 2P08-2A     | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1958 | RP     |                  | 2P08-2B     | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1959 | RP     |                  | 2P09-1A     | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1960 | RP     |                  | 2P09-1B     | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1961 | RP     |                  | 2P09-2A     | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 1962 | RP     |                  | 2P09-2B     | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 1963 | RP     |                  | 2P10-1A     | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1964 | RP     |                  | 2P10-1B     | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1965 | RP     |                  | 2P10-2A     | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 1966 | RP     |                  | 2P10-2B     | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 1967 | RP     |                  | 2PC-429A-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1968 | RP     |                  | 2PC-429A-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1969 | RP     |                  | 2PC-429A-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH3A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1970 | RP     |                  | 2PC-429A-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1971 | RP     |                  | 2PC-429E-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 1972 | RP     |                  | 2PC-429E-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1973 | RP     |                  | 2PC-429E-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1974 | RP     |                  | 2PC-429E-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1975 | RP     |                  | 2PC-430A-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1976 | RP     |                  | 2PC-430A-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1977 | RP     |                  | 2PC-430A-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1978 | RP     |                  | 2PC-430A-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1979 | RP     |                  | 2PC-430H-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1980 | RP     |                  | 2PC-430H-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1981 | RP     |                  | 2PC-430H-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1982 | RP     |                  | 2PC-430H-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1983 | RP     |                  | 2PC-431A-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1984 | RP     |                  | 2PC-431A-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |
| 1985 | RP     |                  | 2PC-431A-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1986 | RP     |                  | 2PC-431A-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1987 | RP     |                  | 2PC-431J-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH8A2 | SS                         | Relay GERS or Specific Qualification |
| 1988 | RP     |                  | 2PC-431J-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH8B2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING             | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|---------------------|----------------------------|--------------------------------------|
| 1989 | RP     |                  | 2PC-431J-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH8A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1990 | RP     |                  | 2PC-431J-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH8B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1991 | RP     |                  | 2PC-449A-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH8A2  | SS                         | Relay GERS or Specific Qualification |
| 1992 | RP     |                  | 2PC-449A-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH8B2  | SS                         | Relay GERS or Specific Qualification |
| 1993 | RP     |                  | 2PC-449A-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH8A2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1994 | RP     |                  | 2PC-449A-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH8B2  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1995 | RP     |                  | 2PC-484A-XA | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2<br>SH10A2 | SS                         | Relay GERS or Specific Qualification |
| 1996 | RP     |                  | 2PC-484A-XB | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2<br>SH10B2 | SS                         | Relay GERS or Specific Qualification |
| 1997 | RP     |                  | 2PC-484A-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2<br>SH10A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1998 | RP     |                  | 2PC-484A-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2<br>SH10B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 1999 | RP     |                  | 2PC-485A-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 2000 | RP     |                  | 2PC-485A-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 2001 | RP     |                  | 2PC-485A-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2<br>SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2002 | RP     |                  | 2PC-485A-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2<br>SH9B1  | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2003 | RP     |                  | 2PC-486A-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH9A1  | SS                         | Relay GERS or Specific Qualification |
| 2004 | RP     |                  | 2PC-486A-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2<br>SH9B1  | SS                         | Relay GERS or Specific Qualification |
| 2005 | RP     |                  | 2PC-486A-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2<br>SH9A1  | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 2006 | RP     |                  | 2PC-486A-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH9B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2007 | RP     |                  | 2PRB-1A     | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2008 | RP     |                  | 2PRB-1B     | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2009 | RP     |                  | 2PRB-2A     | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2010 | RP     |                  | 2PRB-2B     | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2011 | RP     |                  | 2RC-1A      | W Nbfd42S        | 2C-151-155       | 2C-152   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 2012 | RP     |                  | 2RC-1B      | W Nbfd42S        | 2C-161-165       | 2C-161   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 2013 | RP     |                  | 2RC-2A      | W Nbfd42S        | 2C-151-155       | 2C-152   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 2014 | RP     |                  | 2RC-2B      | W Nbfd42S        | 2C-161-165       | 2C-161   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 2015 | RP     |                  | 2RC-3A      | W Nbfd42S        | 2C-151-155       | 2C-153   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 2016 | RP     |                  | 2RC-3B      | W Nbfd42S        | 2C-161-165       | 2C-162   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 2017 | RP     |                  | 2RC-4A      | W Nbfd42S        | 2C-151-155       | 2C-153   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 2018 | RP     |                  | 2RC-4B      | W Nbfd42S        | 2C-161-165       | 2C-162   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 2019 | RP     |                  | 2RCP-A-XA   | W Nbfd66S        | 2C-151-155       | 2C-151   | 617F354-2 SH9A2 | SS                         | Relay GERS or Specific Qualification |
| 2020 | RP     |                  | 2RCP-A-XB   | W Nbfd66S        | 2C-161-165       | 2C-161   | 617F354-2 SH9B2 | SS                         | Relay GERS or Specific Qualification |
| 2021 | RP     |                  | 2RCP-A-YA   | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH9A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2022 | RP     |                  | 2RCP-A-YB   | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH9B2 | CA19                       | Circuit/Relay Malfunction Acceptable |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID  | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-----------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 2023 | RP     |                  | 2RCP-B-XA | W Nbfd66S        | 2C-151-155       | 2C-152   | 617F354-2 SH9A2 | SS                         | Relay GERS or Specific Qualification |
| 2024 | RP     |                  | 2RCP-B-XB | W Nbfd66S        | 2C-161-165       | 2C-162   | 617F354-2 SH9B2 | SS                         | Relay GERS or Specific Qualification |
| 2025 | RP     |                  | 2RCP-B-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH9A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2026 | RP     |                  | 2RCP-B-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH9B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2027 | RP     |                  | 2RT-10A   | W Nbfd31S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 2028 | RP     |                  | 2RT-10B   | W Nbfd31S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 2029 | RP     |                  | 2RT-11A   | W Nbfd31S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2030 | RP     |                  | 2RT-11B   | W Nbfd31S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2031 | RP     |                  | 2RT-12A   | W Nbfd31S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2032 | RP     |                  | 2RT-12B   | W Nbfd31S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2033 | RP     |                  | 2RT-1A    | W Nbfd31S        | 2C-151-155       | 2C-151   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2034 | RP     |                  | 2RT-1B    | W Nbfd31S        | 2C-161-165       | 2C-161   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2035 | RP     |                  | 2RT-2A    | W Nbfd31S        | 2C-151-155       | 2C-151   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2036 | RP     |                  | 2RT-2B    | W Nbfd31S        | 2C-161-165       | 2C-161   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2037 | RP     |                  | 2RT-3A    | W Nbfd31S        | 2C-151-155       | 2C-152   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2038 | RP     |                  | 2RT-3B    | W Nbfd31S        | 2C-161-165       | 2C-162   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2039 | RP     |                  | 2RT-4A    | W Nbfd31S        | 2C-151-155       | 2C-152   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 2040 | RP     |                  | 2RT-4B      | W Nbfd31S        | 2C-161-165       | 2C-162   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2041 | RP     |                  | 2RT-5A      | W Nbfd31S        | 2C-151-155       | 2C-153   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2042 | RP     |                  | 2RT-5B      | W Nbfd31S        | 2C-161-165       | 2C-163   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2043 | RP     |                  | 2RT-6A      | W Nbfd31S        | 2C-151-155       | 2C-153   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2044 | RP     |                  | 2RT-6B      | W Nbfd31S        | 2C-161-165       | 2C-163   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2045 | RP     |                  | 2RT-7A      | W Nbfd31S        | 2C-151-155       | 2C-153   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 2046 | RP     |                  | 2RT-7B      | W Nbfd31S        | 2C-161-165       | 2C-163   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 2047 | RP     |                  | 2RT-8A      | W Nbfd31S        | 2C-151-155       | 2C-153   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 2048 | RP     |                  | 2RT-8B      | W Nbfd31S        | 2C-161-165       | 2C-163   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 2049 | RP     |                  | 2RT-9A      | W Nbfd31S        | 2C-151-155       | 2C-154   | 617F354-2 SH4A1 | SS                         | Relay GERS or Specific Qualification |
| 2050 | RP     |                  | 2RT-9B      | W Nbfd31S        | 2C-161-165       | 2C-164   | 617F354-2 SH4B1 | SS                         | Relay GERS or Specific Qualification |
| 2051 | RP     |                  | 2SI-11X-AXA | W Nbfd66S        | 2C-151-155       | 2C-153   | 617F354-2 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 2052 | RP     |                  | 2SI-11X-AXB | W Nbfd56S        | 2C-161-165       | 2C-163   | 617F354-2 SH7B2 | SS                         | Relay GERS or Specific Qualification |
| 2053 | RP     |                  | 2SI-11X-AYA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2054 | RP     |                  | 2SI-11X-AYB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2055 | RP     |                  | 2SI-21X-BXA | W Nbfd66S        | 2C-151-155       | 2C-154   | 617F354-2 SH7A2 | SS                         | Relay GERS or Specific Qualification |
| 2056 | RP     |                  | 2SI-21X-BXB | W Nbfd66S        | 2C-161-165       | 2C-164   | 617F354-2 SH7B2 | SS                         | Relay GERS or Specific Qualification |



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TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 2057 | RP     |                  | 2SI-21X-BYA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2 SH7A2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2058 | RP     |                  | 2SI-21X-BYB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2 SH7B2 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2059 | RP     |                  | 2SRB-1A     | W Nbfd66S        | 2C-151-155       | 2C-152   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2060 | RP     |                  | 2SRB-1B     | W Nbfd66S        | 2C-161-165       | 2C-162   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2061 | RP     |                  | 2SRB-2A     | W Nbfd66S        | 2C-151-155       | 2C-152   | 617F354-2 SH4A2 | SS                         | Relay GERS or Specific Qualification |
| 2062 | RP     |                  | 2SRB-2B     | W Nbfd66S        | 2C-161-165       | 2C-162   | 617F354-2 SH4B2 | SS                         | Relay GERS or Specific Qualification |
| 2063 | RP     |                  | 2TC-405A-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 2064 | RP     |                  | 2TC-405A-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 2065 | RP     |                  | 2TC-405A-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2066 | RP     |                  | 2TC-405A-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2067 | RP     |                  | 2TC-405C-XA | W BF66F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 2068 | RP     |                  | 2TC-405C-XB | W BF66F          | 2C-161-165       | 2C-161   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 2069 | RP     |                  | 2TC-405C-YA | W BF22F          | 2C-151-155       | 2C-151   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2070 | RP     |                  | 2TC-405C-YB | W BF22F          | 2C-161-165       | 2C-161   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2071 | RP     |                  | 2TC-406A-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 2072 | RP     |                  | 2TC-406A-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 2073 | RP     |                  | 2TC-406A-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 2074 | RP     |                  | 2TC-406A-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2075 | RP     |                  | 2TC-406C-XA | W BF66F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 2076 | RP     |                  | 2TC-406C-XB | W BF66F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 2077 | RP     |                  | 2TC-406C-YA | W BF22F          | 2C-151-155       | 2C-152   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2078 | RP     |                  | 2TC-406C-YB | W BF22F          | 2C-161-165       | 2C-162   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2079 | RP     |                  | 2TC-407A-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 2080 | RP     |                  | 2TC-407A-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 2081 | RP     |                  | 2TC-407A-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2082 | RP     |                  | 2TC-407A-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2083 | RP     |                  | 2TC-407C-XA | W BF66F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 2084 | RP     |                  | 2TC-407C-XB | W BF66F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 2085 | RP     |                  | 2TC-407C-YA | W BF22F          | 2C-151-155       | 2C-153   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2086 | RP     |                  | 2TC-407C-YB | W BF22F          | 2C-161-165       | 2C-163   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2087 | RP     |                  | 2TC-408A-XA | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2 SH7A1 | SS                         | Relay GERS or Specific Qualification |
| 2088 | RP     |                  | 2TC-408A-XB | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2 SH7B1 | SS                         | Relay GERS or Specific Qualification |
| 2089 | RP     |                  | 2TC-408A-YA | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2 SH7A1 | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2090 | RP     |                  | 2TC-408A-YB | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2 SH7B1 | CA19                       | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING           | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|----------------|------------------|------------------|----------|-------------------|----------------------------|--------------------------------------|
| 2091 | RP     |                  | 2TC-408C-XA    | W BF66F          | 2C-151-155       | 2C-154   | 617F354-2 SH7A1   | SS                         | Relay GERS or Specific Qualification |
| 2092 | RP     |                  | 2TC-408C-XB    | W BF66F          | 2C-161-165       | 2C-164   | 617F354-2 SH7B1   | SS                         | Relay GERS or Specific Qualification |
| 2093 | RP     |                  | 2TC-408C-YA    | W BF22F          | 2C-151-155       | 2C-154   | 617F354-2 SH7A1   | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2094 | RP     |                  | 2TC-408C-YB    | W BF22F          | 2C-161-165       | 2C-164   | 617F354-2 SH7B1   | CA19                       | Circuit/Relay Malfunction Acceptable |
| 2095 | RS     | RS-SA-10-7       | 3W-GWSPA       |                  |                  |          | S&W 12137-ESK-11A | CA13                       | Circuit/Relay Malfunction Acceptable |
| 2096 | RS     | RS-SA-9-7        | 3W-GWSPB       |                  |                  |          | S&W 12137-ESK-11C | CA13                       | Circuit/Relay Malfunction Acceptable |
| 2097 | SC     | 1SC-951-S        | 1-951-3-5-X    | W NBF0405        | 1N-07            | 1N-07    | ELEM 787A         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2098 | SC     | 1SC-966A-S       | 1CI-12-X4      | W Nbfd65NR       | C-01-1(2)C-04    | C-01     | ELEM 1696         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2099 | SC     | 1SC-966A-S       | 1CI-21-X4      | W Nbfd65NR       | C-01-1(2)C-04    | C-01     | ELEM 1696         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2100 | SC     | 2SC-951-S        | 2-951-3-5-X    | W NBF0405        | 2N-07            | 2N-07    | ELEM 787B         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2101 | SC     | 2SC-966A-S       | 2CI-12-X2      | W Nbfd66S        | C-01-1(2)C-04    | C-01     | ELEM 1695         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2102 | SC     | 2SC-966A-S       | 2CI-21-X2      | W Nbfd66S        | C-01-1(2)C-04    | C-01     | ELEM 1695         | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2103 | SI     | 1P-15A-M         | 1-74/A59FM     | LINE ELEC AG-1D  | 1A-05            | 1A52-59  | ELEM 222          | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2104 | SI     | 1P-15A-M         | 1A52-59        |                  | 1A-05            | 1A52-59  | ELEM 222          | SWGR                       | Relays directly control Switchgear   |
| 2105 | SI     | 1P-15A-M         | 50G/1A52-59    | W ITH            | 1A-05            | 1A52-59  | ELEM 201          | SS                         | Relay GERS or Specific Qualification |
| 2106 | SI     | 1P-15A-M         | 51/50A/1A52-59 | W COM 5          | 1A-05            | 1A52-59  | ELEM 201          | SS                         | Relay GERS or Specific Qualification |
| 2107 | SI     | 1P-15A-M         | 51/50B/1A52-59 | W COM 5          | 1A-05            | 1A52-59  | ELEM 201          | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|----------------|------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 2108 | SI     | 1P-15A-M         | 51/50C/1A52-59 | W COM 5          | 1A-05            | 1A52-59  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2109 | SI     | 1P-15A-M         | 74/A52-59      | W SG             | 1A-05            | 1A59     | ELEM 222 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2110 | SI     | 1P-15A-M         | 86/A52-59      | W MG-6           | 1A-05            | 1A52-59  | ELEM 222 | SS                         | Relay GERS or Specific Qualification |
| 2111 | SI     | 1P-15B-M         | 1-74/A65FM     | LINE ELEC AG-1D  | 1A-06            | 1A52-65  | ELEM 222 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2112 | SI     | 1P-15B-M         | 1A52-65        |                  | 1A-06            | 1A52-65  | ELEM 222 | SWGR                       | Relays directly control Switchgear   |
| 2113 | SI     | 1P-15B-M         | 50G/1A52-65    | W ITH            | 1A-06            | 1A52-65  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2114 | SI     | 1P-15B-M         | 51/50A/1A52-65 | W COM 5          | 1A-06            | 1A52-65  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2115 | SI     | 1P-15B-M         | 51/50B/1A52-65 | W COM 5          | 1A-06            | 1A52-65  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2116 | SI     | 1P-15B-M         | 51/50C/1A52-65 | W COM 5          | 1A-06            | 1A52-65  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2117 | SI     | 1P-15B-M         | 74/A52-65      | W SG             | 1A-06            | 1A65     | ELEM 222 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2118 | SI     | 1P-15B-M         | 86/A52-65      | W MG-6           | 1A-06            | 1A52-65  | ELEM 222 | SS                         | Relay GERS or Specific Qualification |
| 2119 | SI     | 1SI-825A-M       | 1B42-324C      | CONTACTOR        | 1B-32            | 1B32-4C  | ELEM 728 | SS                         | Relay GERS or Specific Qualification |
| 2120 | SI     | 1SI-825A-M       | 33X/1-V826A    | W BF40F          | C-01-1(2)C-04    | C-01     | ELEM 736 | CA9                        | Circuit/Relay Malfunction Acceptable |
| 2121 | SI     | 1SI-825A-M       | 33X/1-V826B    | W BF22F          | C-01-1(2)C-04    | C-01     | ELEM 726 | CA9                        | Circuit/Relay Malfunction Acceptable |
| 2122 | SI     | 1SI-825A-M       | 33X/1-V826C    | W BF22F          | C-01-1(2)C-04    | C-01     | ELEM 726 | CA9                        | Circuit/Relay Malfunction Acceptable |
| 2123 | SI     | 1SI-825A-M       | 62SI/825A      | AGASTAT 2412AC   | C-01-1(2)C-04    | C-01     | ELEM 728 | CA9                        | Circuit/Relay Malfunction Acceptable |
| 2124 | SI     | 1SI-825B-M       | 1B42-424C      | CONTACTOR        | 1B-42            | 1B42-4C  | ELEM 728 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 2125 | SI     | 1SI-825B-M       | 62SI/825B   | AGASTAT 2412AC   | C-01-1(2)C-04    | C-01     | ELEM 728 | CA9                        | Circuit/Relay Malfunction Acceptable |
| 2126 | SI     | 1SI-826A-M       | 1B42-425F   | CONTACTOR        | 1B-42            | 1B42-5F  | ELEM 736 | CA13                       | Circuit/Relay Malfunction Acceptable |
| 2127 | SI     | 1SI-826B-M       | 1B42-425J   | CONTACTOR        | 1B-42            | 1B42-5J  | ELEM 726 | SS                         | Relay GERS or Specific Qualification |
| 2128 | SI     | 1SI-826C-M       | 1B42-325F   | CONTACTOR        | 1B-32            | 1B32-5F  | ELEM 726 | SS                         | Relay GERS or Specific Qualification |
| 2129 | SI     | 1SI-851A-M       | 1B42-323C   | CONTACTOR        | 1B-32            | 1B32-3C  | ELEM 734 | SS                         | Relay GERS or Specific Qualification |
| 2130 | SI     | 1SI-851A-M       | 33X/1-V851A | W BF44F          | C-01-1(2)C-04    | C-01     | ELEM 734 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2131 | SI     | 1SI-851A-M       | 33X/1-V897A | W BFD62S         | C-01-1(2)C-04    | C-01     | ELEM 770 | SS                         | Relay GERS or Specific Qualification |
| 2132 | SI     | 1SI-851A-M       | 33X/1-V897B | W BFD62S         | C-01-1(2)C-04    | C-01     | ELEM 770 | SS                         | Relay GERS or Specific Qualification |
| 2133 | SI     | 1SI-851B-M       | 1B42-423C   | CONTACTOR        | 1B-42            | 1B42-3C  | ELEM 734 | SS                         | Relay GERS or Specific Qualification |
| 2134 | SI     | 1SI-851B-M       | 33X/1-V851B | W BF44F          | C-01-1(2)C-04    | C-01     | ELEM 734 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2135 | SI     | 1SI-852A-M       | 1B42-321F   | CONTACTOR        | 1B-32            | 1B32-1F  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2136 | SI     | 1SI-852B-M       | 1B42-421F   | CONTACTOR        | 1B-42            | 1B42-1F  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2137 | SI     | 1SI-860A-M       | 1B42-321M   | CONTACTOR        | 1B-32            | 1B32-1M  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2138 | SI     | 1SI-860B-M       | 1B42-421M   | CONTACTOR        | 1B-42            | 1B42-1M  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2139 | SI     | 1SI-860C-M       | 1B42-322M   | CONTACTOR        | 1B-32            | 1B32-2M  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2140 | SI     | 1SI-860D-M       | 1B42-422M   | CONTACTOR        | 1B-42            | 1B42-2M  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2141 | SI     | 1SI-866A-M       | 1B42-321J   | CONTACTOR        | 1B-32            | 1B32-1J  | ELEM 735 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING   | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|----------------|------------------|------------------|----------|-----------|----------------------------|--------------------------------------|
| 2142 | SI     | 1SI-866B-M       | 1B42-421J      | CONTACTOR        | 1B-42            | 1B42-1J  | ELEM 735  | SS                         | Relay GERS or Specific Qualification |
| 2143 | SI     | 1SI-871A-M       | 1B42-323M      | CONTACTOR        | 1B-32            | 1B32-3M  | ELEM 731  | SS                         | Relay GERS or Specific Qualification |
| 2144 | SI     | 1SI-871A-M       | 33X/1-V870A    | W BF82F          | C-01-1(2)C-04    | C-01     | ELEM 731  | SS                         | Relay GERS or Specific Qualification |
| 2145 | SI     | 1SI-871B-M       | 1B42-423M      | CONTACTOR        | 1B-42            | 1B42-3M  | ELEM 732  | SS                         | Relay GERS or Specific Qualification |
| 2146 | SI     | 1SI-871B-M       | 33X/1-V870B    | W BF82F          | C-01-1(2)C-04    | C-01     | ELEM 739  | SS                         | Relay GERS or Specific Qualification |
| 2147 | SI     | 1SI-878A-M       | 1B42-322J      | CONTACTOR        | 1B-32            | 1B32-2J  | ELEM 724A | SS                         | Relay GERS or Specific Qualification |
| 2148 | SI     | 1SI-878B-M       | 1B42-422J      | CONTACTOR        | 1B-42            | 1B42-2J  | ELEM 724  | SS                         | Relay GERS or Specific Qualification |
| 2149 | SI     | 1SI-878C-M       | 1B42-422F      | CONTACTOR        | 1B-42            | 1B42-2F  | ELEM 724A | SS                         | Relay GERS or Specific Qualification |
| 2150 | SI     | 1SI-878D-M       | 1B42-322F      | CONTACTOR        | 1B-32            | 1B32-2F  | ELEM 724  | SS                         | Relay GERS or Specific Qualification |
| 2151 | SI     | 1SI-896A-M       | 1B42-322C      | CONTACTOR        | 1B-32            | 1B32-2C  | ELEM 735  | SS                         | Relay GERS or Specific Qualification |
| 2152 | SI     | 1SI-896B-M       | 1B42-422C      | CONTACTOR        | 1B-42            | 1B42-2C  | ELEM 735  | SS                         | Relay GERS or Specific Qualification |
| 2153 | SI     | 2P-15A-M         | 2-74/A74FM     | LINE ELEC AG-1D  | 2A-05            | 2A52-74  | ELEM 223  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2154 | SI     | 2P-15A-M         | 2A52-74        |                  | 2A-05            | 2A52-74  | ELEM 223  | SWGR                       | Relays directly control Switchgear   |
| 2155 | SI     | 2P-15A-M         | 50G/2A52-74    | WITH             | 2A-05            | 2A52-74  | ELEM 201  | SS                         | Relay GERS or Specific Qualification |
| 2156 | SI     | 2P-15A-M         | 51/50A/2A52-74 | W COM 5          | 2A-05            | 2A52-74  | ELEM 201  | SS                         | Relay GERS or Specific Qualification |
| 2157 | SI     | 2P-15A-M         | 51/50B/2A52-74 | W COM 5          | 2A-05            | 2A52-74  | ELEM 201  | SS                         | Relay GERS or Specific Qualification |
| 2158 | SI     | 2P-15A-M         | 51/50C/2A52-74 | W COM 5          | 2A-05            | 2A52-74  | ELEM 201  | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID       | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|----------------|------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 2159 | SI     | 2P-15A-M         | 74/A52-74      | W SG             | 2A-05            | 2A74     | ELEM 223 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2160 | SI     | 2P-15A-M         | 86/A52-74      | W MG-6           | 2A-05            | 2A52-74  | ELEM 223 | SS                         | Relay GERS or Specific Qualification |
| 2161 | SI     | 2P-15B-M         | 2-74/A68FM     | LINE ELEC AG-1D  | 2A-06            | 2A52-68  | ELEM 223 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2162 | SI     | 2P-15B-M         | 2A52-68        |                  | 2A-06            | 2A52-68  | ELEM 223 | SWGR                       | Relays directly control Switchgear   |
| 2163 | SI     | 2P-15B-M         | 50G/2A52-68    | W ITH            | 2A-06            | 2A52-68  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2164 | SI     | 2P-15B-M         | 51/50A/2A52-68 | W COM 5          | 2A-06            | 2A52-68  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2165 | SI     | 2P-15B-M         | 51/50B/2A52-68 | W COM 5          | 2A-06            | 2A52-68  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2166 | SI     | 2P-15B-M         | 51/50C/2A52-68 | W COM 5          | 2A-06            | 2A52-68  | ELEM 201 | SS                         | Relay GERS or Specific Qualification |
| 2167 | SI     | 2P-15B-M         | 74/A52-68      | W SG             | 2A-06            | 2A68     | ELEM 223 | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2168 | SI     | 2P-15B-M         | 86/A52-68      | W MG-6           | 2A-06            | 2A52-68  | ELEM 223 | SS                         | Relay GERS or Specific Qualification |
| 2169 | SI     | 2SI-825A-M       | 2B42-324C      | CONTACTOR        | 2B-32            | 2B32-4C  | ELEM 729 | SS                         | Relay GERS or Specific Qualification |
| 2170 | SI     | 2SI-825A-M       | 33X/2-V826A    | W BF22F          | C-01-1(2)C-04    | C-01     | ELEM 736 | CA9                        | Circuit/Relay Malfunction Acceptable |
| 2171 | SI     | 2SI-825A-M       | 33X/2-V826B    | W BF22F          | C-01-1(2)C-04    | C-01     | ELEM 727 | CA9                        | Circuit/Relay Malfunction Acceptable |
| 2172 | SI     | 2SI-825A-M       | 33X/2-V826C    | W BF22F          | C-01-1(2)C-04    | C-01     | ELEM 727 | CA9                        | Circuit/Relay Malfunction Acceptable |
| 2173 | SI     | 2SI-825B-M       | 2B42-424C      | CONTACTOR        | 2B-42            | 2B42-4C  | ELEM 729 | SS                         | Relay GERS or Specific Qualification |
| 2174 | SI     | 2SI-826A-M       | 2B42-425F      | CONTACTOR        | 2B-42            | 2B42-5F  | ELEM 736 | CA13                       | Circuit/Relay Malfunction Acceptable |
| 2175 | SI     | 2SI-826B-M       | 2B42-425J      | CONTACTOR        | 2B-42            | 2B42-5J  | ELEM 727 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|---------------|----------|----------|----------------------------|--------------------------------------|
| 2176 | SI     | 2SI-826C-M       | 2B42-325F   | CONTACTOR        | 2B-32         | 2B32-5F  | ELEM 727 | SS                         | Relay GERS or Specific Qualification |
| 2177 | SI     | 2SI-851A-M       | 2B42-323C   | CONTACTOR        | 2B-32         | 2B32-3C  | ELEM 734 | SS                         | Relay GERS or Specific Qualification |
| 2178 | SI     | 2SI-851A-M       | 33X/2-V851A | W BF44F          | C-01-1(2)C-04 | C-01     | ELEM 734 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2179 | SI     | 2SI-851A-M       | 33X/2-V897A | W BFD62S         | C-01-1(2)C-04 | C-01     | ELEM 770 | SS                         | Relay GERS or Specific Qualification |
| 2180 | SI     | 2SI-851A-M       | 33X/2-V897B | W BFD62S         | C-01-1(2)C-04 | C-01     | ELEM 770 | SS                         | Relay GERS or Specific Qualification |
| 2181 | SI     | 2SI-851B-M       | 2B42-423C   | CONTACTOR        | 2B-42         | 2B42-3C  | ELEM 734 | SS                         | Relay GERS or Specific Qualification |
| 2182 | SI     | 2SI-851B-M       | 33X/2-V851B | W BF44F          | C-01-1(2)C-04 | C-01     | ELEM 734 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2183 | SI     | 2SI-852A-M       | 2B42-321F   | CONTACTOR        | 2B-32         | 2B32-1F  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2184 | SI     | 2SI-852B-M       | 2B42-421F   | CONTACTOR        | 2B-42         | 2B42-1F  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2185 | SI     | 2SI-860A-M       | 2B42-321M   | CONTACTOR        | 2B-32         | 2B32-1M  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2186 | SI     | 2SI-860B-M       | 2B42-421M   | CONTACTOR        | 2B-42         | 2B42-1M  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2187 | SI     | 2SI-860C-M       | 2B42-322M   | CONTACTOR        | 2B-32         | 2B32-2M  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2188 | SI     | 2SI-860D-M       | 2B42-422M   | CONTACTOR        | 2B-42         | 2B42-2M  | ELEM 725 | SS                         | Relay GERS or Specific Qualification |
| 2189 | SI     | 2SI-866A-M       | 2B42-321J   | CONTACTOR        | 2B-32         | 2B32-1J  | ELEM 735 | SS                         | Relay GERS or Specific Qualification |
| 2190 | SI     | 2SI-866B-M       | 2B42-421J   | CONTACTOR        | 2B-42         | 2B42-1J  | ELEM 735 | SS                         | Relay GERS or Specific Qualification |
| 2191 | SI     | 2SI-871A-M       | 2B42-323M   | CONTACTOR        | 2B-32         | 2B32-3M  | ELEM 731 | SS                         | Relay GERS or Specific Qualification |
| 2192 | SI     | 2SI-871A-M       | 33X/2-V870A | W BF82F          | C-01-1(2)C-04 | C-01     | ELEM 730 | SS                         | Relay GERS or Specific Qualification |



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TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING   | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------|----------------------------|--------------------------------------|
| 2193 | SI     | 2SI-871B-M       | 2B42-423M   | CONTACTOR        | 2B-42            | 2B42-3M  | ELEM 732  | SS                         | Relay GERS or Specific Qualification |
| 2194 | SI     | 2SI-871B-M       | 33X/2-V87GB | W BF82F          | C-01-1(2)C-04    | C-01     | ELEM 739  | SS                         | Relay GERS or Specific Qualification |
| 2195 | SI     | 2SI-878A-M       | 2B42-322J   | CONTACTOR        | 2B-32            | 2B32-2J  | ELEM 724A | SS                         | Relay GERS or Specific Qualification |
| 2196 | SI     | 2SI-878B-M       | 2B42-422J   | CONTACTOR        | 2B-42            | 2B42-2J  | ELEM 724  | SS                         | Relay GERS or Specific Qualification |
| 2197 | SI     | 2SI-878C-M       | 2B42-422F   | CONTACTOR        | 2B-42            | 2B42-2F  | ELEM 724A | SS                         | Relay GERS or Specific Qualification |
| 2198 | SI     | 2SI-878D-M       | 2B42-322F   | CONTACTOR        | 2B-32            | 2B32-2F  | ELEM 724  | SS                         | Relay GERS or Specific Qualification |
| 2199 | SI     | 2SI-896A-M       | 2B42-322C   | CONTACTOR        | 2B-32            | 2B32-2C  | ELEM 735  | SS                         | Relay GERS or Specific Qualification |
| 2200 | SI     | 2SI-896B-M       | 2B42-422C   | CONTACTOR        | 2B-42            | 2B42-2C  | ELEM 735  | SS                         | Relay GERS or Specific Qualification |
| 2201 | SW     | 1SW-2880-M       | 1B42-4210F  | CONTACTOR        | 1B-42            | 1B42-10F | ELEM 804  | SS                         | Relay GERS or Specific Qualification |
| 2202 | SW     | 1SW-2907-M       | 1B42-3210F  | CONTACTOR        | 1B-32            | 1B32-10F | ELEM 803  | SS                         | Relay GERS or Specific Qualification |
| 2203 | SW     | 1SW-2908-M       | 1B42-4210C  | CONTACTOR        | 1B-42            | 1B42-10C | ELEM 803  | SS                         | Relay GERS or Specific Qualification |
| 2204 | SW     | 2SW-2880-M       | 2B42-4212G  | CONTACTOR        | 2B-42            | 2B42-12G | ELEM 804  | SS                         | Relay GERS or Specific Qualification |
| 2205 | SW     | 2SW-2907-M       | 2B42-3210F  | CONTACTOR        | 2B-32            | 2B32-10F | ELEM 861  | SS                         | Relay GERS or Specific Qualification |
| 2206 | SW     | 2SW-2908-M       | 2B42-4210C  | CONTACTOR        | 2B-42            | 2B42-10C | ELEM 861  | SS                         | Relay GERS or Specific Qualification |
| 2207 | SW     | P-32A-M          | 74/1B52-10C | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 364  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2208 | SW     | P-32B-M          | 74/1B52-11C | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 364  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2209 | SW     | P-32C-M          | 74/1B52-20C | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 364  | CA4                        | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING         | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------------|----------------------------|--------------------------------------|
| 2210 | SW     | P-32D-M          | 74/2B52-27B | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 394        | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2211 | SW     | P-32E-M          | 74/2B52-27C | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 394        | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2212 | SW     | P-32F-M          | 74/2B52-34B | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 394        | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2213 | SW     | SW-2816-M        | 1B42-3211J  | CONTACTOR        | 1B-32            | 1B32-11J | ELEM 804        | SS                         | Relay GERS or Specific Qualification |
| 2214 | SW     | SW-2817-M        | 2B42-4210F  | CONTACTOR        | 2B-42            | 2B42-10F | ELEM 804        | SS                         | Relay GERS or Specific Qualification |
| 2215 | SW     | SW-2838-S        | 2FS-2896    |                  | 2FS-2896         | 2FS-2896 | BECH M-207 SH.4 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2216 | SW     | SW-2838-S        | 2FS-2898    |                  | 2FS-2898         | 2FS-2898 | BECH M-207 SH.4 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2217 | SW     | SW-2838-S        | 2FS-2900    |                  | 2FS-2900         | 2FS-2900 | BECH M-207 SH.4 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2218 | SW     | SW-2838-S        | 2FS-2902    |                  | 2FS-2902         | 2FS-2902 | BECH M-207 SH.4 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2219 | SW     | SW-2838-S        | 62/G02      | AGASTAT 7022AE   | G-02             | C-65     | ELEM 862        | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2220 | SW     | SW-2838-S        | ESR1/G02    | SQ D PO 7001     | C-35             | C-35     | EMD 8413730     | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2221 | SW     | SW-2838-S        | ESR2/G02    | SQ D PO 7001     | C-35             | C-35     | EMD 8413730     | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2222 | SW     | SW-2839-S        | 1FS-2896    |                  | 1FS-2896         | 1FS-2896 | BECH M-207 SH.4 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2223 | SW     | SW-2839-S        | 1FS-2898    |                  | 1FS-2898         | 1FS-2898 | BECH M-207 SH.4 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2224 | SW     | SW-2839-S        | 1FS-2900    |                  | 1FS-2900         | 1FS-2900 | BECH M-207 SH.4 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2225 | SW     | SW-2839-S        | 1FS-2902    |                  | 1FS-2902         | 1FS-2902 | BECH M-207 SH.4 | CA3                        | Circuit/Relay Malfunction Acceptable |
| 2226 | SW     | SW-2839-S        | 62/G01      | AGASTAT 7022AE   | G-01             | C-64     | ELEM 806        | CA3                        | Circuit/Relay Malfunction Acceptable |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING     | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-------------|----------------------------|--------------------------------------|
| 2227 | SW     | SW-2839-S        | ESR1/G01    | SQ D PO 7001     | C-34             | C-34     | EMD 8413730 | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2228 | SW     | SW-2839-S        | ESR2/G01    | SQ D PO 7001     | C-34             | C-34     | EMD 8413730 | CA11                       | Circuit/Relay Malfunction Acceptable |
| 2229 | SW     | SW-2869-M        | 2B42-4210J  | CONTACTOR        | 2B-42            | 2B42-10J | ELEM 805    | SS                         | Relay GERS or Specific Qualification |
| 2230 | SW     | SW-2870-M        | 1B42-3210J  | CONTACTOR        | 1B-32            | 1B32-10J | ELEM 805    | SS                         | Relay GERS or Specific Qualification |
| 2231 | SW     | SW-2890-M        | 2B42-4210M  | CONTACTOR        | 2B-42            | 2B42-10M | ELEM 805    | SS                         | Relay GERS or Specific Qualification |
| 2232 | SW     | SW-2891-M        | 1B42-3210M  | CONTACTOR        | 1B-32            | 1B32-10M | ELEM 805    | SS                         | Relay GERS or Specific Qualification |
| 2233 | UV     | 1A-05            | 1-271/A05   | ITE-27D          | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2234 | UV     | 1A-05            | 1-271X1/A05 | W MG-6           | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2235 | UV     | 1A-05            | 1-271X2/A05 | W MG-6           | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2236 | UV     | 1A-05            | 1-272/A05   | ITE-27D          | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2237 | UV     | 1A-05            | 1-272X1/A05 | W MG-6           | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2238 | UV     | 1A-05            | 1-272X2/A05 | W MG-6           | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2239 | UV     | 1A-05            | 1-273/A05   | ITE-27D          | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2240 | UV     | 1A-05            | 1-274/A05   | ITE-27D          | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2241 | UV     | 1A-05            | 1-275/A05   | ITE-27D          | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2242 | UV     | 1A-05            | 1TDRA/A05   | AGASTAT 7014     | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |
| 2243 | UV     | 1A-05            | 1TDRB/A05   | AGASTAT 7014     | 1A-05            | 1A-05    | ELEM 212    | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE<br>{w/ note #} | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|----------|-------------------------------|--------------------------------------|
| 2244 | UV     | 1A-05            | 1TDRC/A05   | AGASTAT 7014     | 1A-05            | 1A-05    | ELEM 212 | SS                            | Relay GERS or Specific Qualification |
| 2245 | UV     | 1A-06            | 1-271/A06   | ITE-27D          | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2246 | UV     | 1A-06            | 1-271X1/A06 | W MG-6           | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2247 | UV     | 1A-06            | 1-271X2/A06 | W MG-6           | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2248 | UV     | 1A-06            | 1-272/A06   | ITE-27D          | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2249 | UV     | 1A-06            | 1-272X1/A06 | W MG-6           | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2250 | UV     | 1A-06            | 1-272X2/A06 | W MG-6           | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2251 | UV     | 1A-06            | 1-273/A06   | ITE-27D          | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2252 | UV     | 1A-06            | 1-274/A06   | ITE-27D          | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2253 | UV     | 1A-06            | 1-275/A06   | ITE-27D          | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2254 | UV     | 1A-06            | 1TDRA/A06   | AGASTAT 7014     | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2255 | UV     | 1A-06            | 1TDRB/A06   | AGASTAT 7014     | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2256 | UV     | 1A-06            | 1TDRC/A06   | AGASTAT 7014     | 1A-06            | 1A-06    | ELEM 214 | SS                            | Relay GERS or Specific Qualification |
| 2257 | UV     | 1B-03            | 1-271/B03   | ITE-27D          | 1B-03            | 1B-03    | ELEM 303 | SS                            | Relay GERS or Specific Qualification |
| 2258 | UV     | 1B-03            | 1-271X/B03  | W MG-6           | 1B-03            | 1B-03    | ELEM 303 | SS                            | Relay GERS or Specific Qualification |
| 2259 | UV     | 1B-03            | 1-271X1/B03 | W MG-6           | 1B-03            | 1B-03    | ELEM 303 | SS                            | Relay GERS or Specific Qualification |
| 2260 | UV     | 1B-03            | 1-271X2/B03 | W MG-6           | 1B-03            | 1B-03    | ELEM 303 | SS                            | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 2261 | UV     | 1B-03            | 1-271X3/B03 | W MG-6           | 1B-03            | 1B-03    | ELEM 303 | SS                         | Relay GERS or Specific Qualification |
| 2262 | UV     | 1B-03            | 1-271X4/B03 | W MG-6           | 1B-03            | 1B-03    | ELEM 303 | SS                         | Relay GERS or Specific Qualification |
| 2263 | UV     | 1B-03            | 1-272/B03   | ITE-27D          | 1B-03            | 1B-03    | ELEM 303 | SS                         | Relay GERS or Specific Qualification |
| 2264 | UV     | 1B-03            | 1-272X/B03  | W MG-6           | 1B-03            | 1B-03    | ELEM 303 | SS                         | Relay GERS or Specific Qualification |
| 2265 | UV     | 1B-03            | 1-272X1/B03 | W MG-6           | 1B-03            | 1B-03    | ELEM 304 | SS                         | Relay GERS or Specific Qualification |
| 2266 | UV     | 1B-03            | 1-272X2/B03 | W MG-6           | 1B-03            | 1B-03    | ELEM 304 | SS                         | Relay GERS or Specific Qualification |
| 2267 | UV     | 1B-03            | 1-272X3/B03 | W MG-6           | 1B-03            | 1B-03    | ELEM 304 | SS                         | Relay GERS or Specific Qualification |
| 2268 | UV     | 1B-03            | 1-272X4/B03 | W MG-6           | 1B-03            | 1B-03    | ELEM 304 | SS                         | Relay GERS or Specific Qualification |
| 2269 | UV     | 1B-03            | 1-273/B03   | ITE-27D          | 1B-03            | 1B-03    | ELEM 303 | SS                         | Relay GERS or Specific Qualification |
| 2270 | UV     | 1B-03            | 1-273X/B03  | W MG-6           | 1B-03            | 1B-03    | ELEM 303 | SS                         | Relay GERS or Specific Qualification |
| 2271 | UV     | 1B-04            | 1-271/B04   | ITE-27D          | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2272 | UV     | 1B-04            | 1-271X/B04  | W MG-6           | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2273 | UV     | 1B-04            | 1-271X1/B04 | W MG-6           | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2274 | UV     | 1B-04            | 1-271X2/B04 | W MG-6           | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2275 | UV     | 1B-04            | 1-271X3/B04 | W MG-6           | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2276 | UV     | 1B-04            | 1-271X4/B04 | W MG-6           | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2277 | UV     | 1B-04            | 1-272/B04   | ITE-27D          | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 2278 | UV     | 1B-04            | 1-272X/B04  | W MG-6           | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2279 | UV     | 1B-04            | 1-272X1/B04 | W MG-6           | 1B-04            | 1B-04    | ELEM 306 | SS                         | Relay GERS or Specific Qualification |
| 2280 | UV     | 1B-04            | 1-272X2/B04 | W MG-6           | 1B-04            | 1B-04    | ELEM 306 | SS                         | Relay GERS or Specific Qualification |
| 2281 | UV     | 1B-04            | 1-272X3/B04 | W MG-6           | 1B-04            | 1B-04    | ELEM 306 | SS                         | Relay GERS or Specific Qualification |
| 2282 | UV     | 1B-04            | 1-272X4/B04 | W MG-6           | 1B-04            | 1B-04    | ELEM 306 | SS                         | Relay GERS or Specific Qualification |
| 2283 | UV     | 1B-04            | 1-273/B04   | ITE-27D          | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2284 | UV     | 1B-04            | 1-273X/B04  | W MG-6           | 1B-04            | 1B-04    | ELEM 305 | SS                         | Relay GERS or Specific Qualification |
| 2285 | UV     | 2A-05            | 2-271/A05   | ITE-27D          | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2286 | UV     | 2A-05            | 2-271X1/A05 | W MG-6           | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2287 | UV     | 2A-05            | 2-271X2/A05 | W MG-6           | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2288 | UV     | 2A-05            | 2-272/A05   | ITE-27D          | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2289 | UV     | 2A-05            | 2-272X1/A05 | W MG-6           | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2290 | UV     | 2A-05            | 2-272X2/A05 | W MG-6           | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2291 | UV     | 2A-05            | 2-273/A05   | ITE-27D          | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2292 | UV     | 2A-05            | 2-274/A05   | ITE-27D          | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2293 | UV     | 2A-05            | 2-275/A05   | ITE-27D          | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2294 | UV     | 2A-05            | 2TDRA/A05   | AGASTAT 7014     | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |





RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 2295 | UV     | 2A-05            | 2TDRB/A05   | AGASTAT 7014     | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2296 | UV     | 2A-05            | 2TDRC/A05   | AGASTAT 7014     | 2A-05            | 2A-05    | ELEM 213 | SS                         | Relay GERS or Specific Qualification |
| 2297 | UV     | 2A-06            | 2-271/A06   | ITE-27D          | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2298 | UV     | 2A-06            | 2-271X1/A06 | W MG-6           | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2299 | UV     | 2A-06            | 2-271X2/A06 | W MG-6           | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2300 | UV     | 2A-06            | 2-272/A06   | ITE-27D          | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2301 | UV     | 2A-06            | 2-272X1/A06 | W MG-6           | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2302 | UV     | 2A-06            | 2-272X2/A06 | W MG-6           | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2303 | UV     | 2A-06            | 2-273/A06   | ITE-27D          | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2304 | UV     | 2A-06            | 2-274/A06   | ITE-27D          | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2305 | UV     | 2A-06            | 2-275/A06   | ITE-27D          | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2306 | UV     | 2A-06            | 2TDRA/A06   | AGASTAT 7014     | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2307 | UV     | 2A-06            | 2TDRB/A06   | AGASTAT 7014     | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2308 | UV     | 2A-06            | 2TDRC/A06   | AGASTAT 7014     | 2A-06            | 2A-06    | ELEM 218 | SS                         | Relay GERS or Specific Qualification |
| 2309 | UV     | 2B-03            | 2-271/B03   | ITE-27D          | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2310 | UV     | 2B-03            | 2-271X/B03  | W MG-6           | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2311 | UV     | 2B-03            | 2-271X1/B03 | W MG-6           | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING  | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|----------|----------------------------|--------------------------------------|
| 2312 | UV     | 2B-03            | 2-271X2/B03 | W MG-6           | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2313 | UV     | 2B-03            | 2-271X3/B03 | W MG-6           | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2314 | UV     | 2B-03            | 2-271X4/B03 | W MG-6           | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2315 | UV     | 2B-03            | 2-272/B03   | ITE-27D          | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2316 | UV     | 2B-03            | 2-272X/B03  | W MG-6           | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2317 | UV     | 2B-03            | 2-272X1/B03 | W MG-6           | 2B-03            | 2B-03    | ELEM 310 | SS                         | Relay GERS or Specific Qualification |
| 2318 | UV     | 2B-03            | 2-272X2/B03 | W MG-6           | 2B-03            | 2B-03    | ELEM 310 | SS                         | Relay GERS or Specific Qualification |
| 2319 | UV     | 2B-03            | 2-272X3/B03 | W MG-6           | 2B-03            | 2B-03    | ELEM 310 | SS                         | Relay GERS or Specific Qualification |
| 2320 | UV     | 2B-03            | 2-272X4/B03 | W MG-6           | 2B-03            | 2B-03    | ELEM 310 | SS                         | Relay GERS or Specific Qualification |
| 2321 | UV     | 2B-03            | 2-273/B03   | ITE-27D          | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2322 | UV     | 2B-03            | 2-273X/B03  | W MG-6           | 2B-03            | 2B-03    | ELEM 309 | SS                         | Relay GERS or Specific Qualification |
| 2323 | UV     | 2B-04            | 2-271/B04   | ITE-27D          | 2B-04            | 2B-04    | ELEM 311 | SS                         | Relay GERS or Specific Qualification |
| 2324 | UV     | 2B-04            | 2-271X/B04  | W MG-6           | 2B-04            | 2B-04    | ELEM 311 | SS                         | Relay GERS or Specific Qualification |
| 2325 | UV     | 2B-04            | 2-271X1/B04 | W MG-6           | 2B-04            | 2B-04    | ELEM 311 | SS                         | Relay GERS or Specific Qualification |
| 2326 | UV     | 2B-04            | 2-271X2/B04 | W MG-6           | 2B-04            | 2B-04    | ELEM 311 | SS                         | Relay GERS or Specific Qualification |
| 2327 | UV     | 2B-04            | 2-271X3/B04 | W MG-6           | 2B-04            | 2B-04    | ELEM 311 | SS                         | Relay GERS or Specific Qualification |
| 2328 | UV     | 2B-04            | 2-271X4/B04 | W MG-6           | 2B-04            | 2B-04    | ELEM 311 | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID    | RELAY MAKE/MODEL | RELAY CABINET ID | LOCATION | DRAWING   | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-------------|------------------|------------------|----------|-----------|----------------------------|--------------------------------------|
| 2329 | UV     | 2B-04            | 2-272/B04   | ITE-27D          | 2B-04            | 2B-04    | ELEM 311  | SS                         | Relay GERS or Specific Qualification |
| 2330 | UV     | 2B-04            | 2-272X/B04  | W MG-6           | 2B-04            | 2B-04    | ELEM 311  | SS                         | Relay GERS or Specific Qualification |
| 2331 | UV     | 2B-04            | 2-272X1/B04 | W MG-6           | 2B-04            | 2B-04    | ELEM 312  | SS                         | Relay GERS or Specific Qualification |
| 2332 | UV     | 2B-04            | 2-272X2/B04 | W MG-6           | 2B-04            | 2B-04    | ELEM 312  | SS                         | Relay GERS or Specific Qualification |
| 2333 | UV     | 2B-04            | 2-272X3/B04 | W MG-6           | 2B-04            | 2B-04    | ELEM 312  | SS                         | Relay GERS or Specific Qualification |
| 2334 | UV     | 2B-04            | 2-272X4/B04 | W MG-6           | 2B-04            | 2B-04    | ELEM 312  | SS                         | Relay GERS or Specific Qualification |
| 2335 | UV     | 2B-04            | 2-273/B04   | ITE-27D          | 2B-04            | 2B-04    | ELEM 311  | SS                         | Relay GERS or Specific Qualification |
| 2336 | UV     | 2B-04            | 2-273X/B04  | W MG-6           | 2B-04            | 2B-04    | ELEM 311  | SS                         | Relay GERS or Specific Qualification |
| 2337 | VNBI   | W-85-M           | 2B42-3213C  | CONTACTOR        | 2B-32            | 2B32-13C | ELEM 1655 | CA13                       | Circuit/Relay Malfunction Acceptable |
| 2338 | VNBI   | W-86-M           | 2B42-426J   | CONTACTOR        | 2B-42            | 2B42-6J  | ELEM 1658 | CA13                       | Circuit/Relay Malfunction Acceptable |
| 2339 | VNCC   | 1W-1A1           | X/1B52-15A  | W Type M         | 1B-03            | 1B52-15A | ELEM 358  | SWGR                       | Relays directly control Switchgear   |
| 2340 | VNCC   | 1W-1A1-M         | 74/1B52-15A | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 358  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2341 | VNCC   | 1W-1B1           | X/1B52-15B  | W Type M         | 1B-03            | 1B52-15B | ELEM 359  | SWGR                       | Relays directly control Switchgear   |
| 2342 | VNCC   | 1W-1B1-M         | 74/1B52-15B | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 359  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2343 | VNCC   | 1W-1C1           | X/1B52-18A  | W Type M         | 1B-04            | 1B52-18A | ELEM 359  | SWGR                       | Relays directly control Switchgear   |
| 2344 | VNCC   | 1W-1C1-M         | 74/1B52-18A | W BF22S          | C-01-1(2)C-04    | C-01     | ELEM 359  | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2345 | VNCC   | 1W-1D1           | X/1B52-18B  | W Type M         | 1B-04            | 1B52-18B | ELEM 358  | SWGR                       | Relays directly control Switchgear   |



RELAY EVALUATION REPORT

TABLE B-1  
 ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID     | RELAY MAKE/MODEL  | RELAY CABINET ID | LOCATION | DRAWING    | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|--------------|-------------------|------------------|----------|------------|----------------------------|--------------------------------------|
| 2346 | VNCC   | 1W-1D1-M         | 74/1852-18B  | W BF22S           | C-01-1(2)C-04    | C-01     | ELEM 358   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2347 | VNCC   | 2W-1A1           | X/2B52-39A   | W Type M          | 2B-03            | 2B52-39A | ELEM 388   | SWGR                       | Relays directly control Switchgear   |
| 2348 | VNCC   | 2W-1A1-M         | 74/2B52-39A  | W BF22S           | C-01-1(2)C-04    | C-01     | ELEM 388   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2349 | VNCC   | 2W-1B1           | X/2B52-39B   | W Type M          | 2B-03            | 2B52-39B | ELEM 389   | SWGR                       | Relays directly control Switchgear   |
| 2350 | VNCC   | 2W-1B1-M         | 74/2B52-39B  | W BF22S           | C-01-1(2)C-04    | C-01     | ELEM 389   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2351 | VNCC   | 2W-1C1           | X/2B52-26A   | W Type M          | 2B-04            | 2B52-26A | ELEM 389   | SWGR                       | Relays directly control Switchgear   |
| 2352 | VNCC   | 2W-1C1-M         | 74/2B52-26A  | W BF22S           | C-01-1(2)C-04    | C-01     | ELEM 389   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2353 | VNCC   | 2W-1D1           | X/2B52-26B   | W Type M          | 2B-04            | 2B52-26B | ELEM 388   | SWGR                       | Relays directly control Switchgear   |
| 2354 | VNCC   | 2W-1D1-M         | 74/2B52-26B  | W BF22S           | C-01-1(2)C-04    | C-01     | ELEM 388   | CA4                        | Circuit/Relay Malfunction Acceptable |
| 2355 | VNDG   | VNDG-4883A-S     | 3X/VNDG-4883 | W BF62F           | C-32             | C-32     | ELEM 841   | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2356 | VNDG   | VNDG-4883A-S     | 62/VNDG-4883 | AGASTAT 2412AD    | C-32             | C-32     | ELEM 841   | SS                         | Relay GERS or Specific Qualification |
| 2357 | VNDG   | VNDG-4884A-S     | 3X/VNDG-4884 | W BF62F           | C-36             | C-36     | ELEM 841   | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2358 | VNDG   | VNDG-4884A-S     | 62/VNDG-4884 | AGASTAT 2412AD    | C-36             | C-36     | ELEM 841   | SS                         | Relay GERS or Specific Qualification |
| 2359 | VNDG   | W-12A-M          | 1B42-329H    | CONTACTOR         | 1B-32            | 1B32-9H  | ELEM 596   | SS                         | Relay GERS or Specific Qualification |
| 2360 | VNDG   | W-12A-M          | TS-4135      | JONCTL A19AAF-12C | TS-4135          | G01 RM   | BECH M-143 | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2361 | VNDG   | W-12A-M          | TS-4136      | JONCTL A19AAF-12C | TS-4136          | G01 RM   | BECH M-143 | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2362 | VNDG   | W-12B-M          | 2B42-329H    | CONTACTOR         | 2B-32            | 2B32-9H  | ELEM 597   | SS                         | Relay GERS or Specific Qualification |



RELAY EVALUATION REPORT

TABLE B-1  
ASSOCIATED RELAY LIST

|      | SYSTEM | R-SSEL COMPONENT | RELAY ID  | RELAY MAKE/MODEL  | RELAY CABINET ID | LOCATION | DRAWING    | SCREENING CODE (w/ note #) | SCREENING                            |
|------|--------|------------------|-----------|-------------------|------------------|----------|------------|----------------------------|--------------------------------------|
| 2363 | VNDG   | W-12B-M          | TS-4137   | JONCTL A19AAF-12C | TS-4137          | G01 RM   | BECH M-143 | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2364 | VNDG   | W-12B-M          | TS-4138   | JONCTL A19AAF-12C | TS-4138          | G01 RM   | BECH M-143 | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2365 | VNDG   | W-12C-M          | 1B42-429M | CONTACTOR         | 1B-42            | 1B42-9M  | ELEM 596   | SS                         | Relay GERS or Specific Qualification |
| 2366 | VNDG   | W-12C-M          | TS-4139   | JONCTL A19AAF-12C | TS-4139          | G02 RM   | BECH M-143 | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2367 | VNDG   | W-12C-M          | TS-4140   | JONCTL A19AAF-12C | TS-4140          | G02 RM   | BECH M-143 | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2368 | VNDG   | W-12D-M          | 2B42-429M | CONTACTOR         | 2B-42            | 2B42-9M  | ELEM 597   | SS                         | Relay GERS or Specific Qualification |
| 2369 | VNDG   | W-12D-M          | TS-4141   | JONCTL A19AAF-12C | TS-4141          | G02 RM   | BECH M-143 | CA17                       | Circuit/Relay Malfunction Acceptable |
| 2370 | VNDG   | W-12D-M          | TS-4142   | JONCTL A19AAF-12C | TS-4142          | G02 RM   | BECH M-143 | CA17                       | Circuit/Relay Malfunction Acceptable |



**Table B-2; Associated Relay List Functional Screening Notes**

| Note # | Functional Screening Basis Discussion  |
|--------|--|
| 1      | The normal, failed and desired positions are "OPEN." Since seal-in is not incorporated in this circuitry, the only way to change the state of the valve is with the mechanical control switch.   |
| 2      | The normal, failed and desired positions are "CLOSED." Since seal-in is not incorporated in this circuitry, the only way to change the state of the valve is with the mechanical control switch.   |
| 3      | The device has only a non-control function. Therefore, its malfunction would not affect the position of the valve.   |
| 4      | Alarm relay without any control functions  |
| 5      | Relay is not connected in a seal-in configuration. Therefore, its chatter can only temporarily open the valve (milliseconds) - if it opens the valve at all.   |
| 6      | Normal, failed and desired positions are "OPEN." Since seal-in is incorporated in the control circuitry for this valve, contactor 42/C should be seismically evaluated, while 42/O is chatter acceptable.  |
| 7      | Normal, failed and desired positions are "CLOSED." Since seal-in is incorporated in the control circuitry for this valve, contactor 42/O should be seismically evaluated, while 42/C is chatter acceptable.  |
| 8      | Normal, failed and desired states are "OFF" for the pump, and "TRIPPED" for the switchgear breaker. Therefore, the tripping circuitry is chatter acceptable, while the closing circuitry requires seismic screening.   |
| 9      | Normal, failed and desired states are "OPEN." Therefore, devices in the "CLOSING" circuitry have to be evaluated for seismic adequacy, while devices in the "OPENING" circuitry are chatter acceptable.  |
| 10     | Normal, failed and desired states are "CLOSED." Therefore, devices in the "OPENING" circuitry have to be evaluated for seismic adequacy, while devices in the "CLOSING" circuitry are chatter acceptable.  |
| 11     | The solenoid valve is controlled with a mechanical switch or a combination of relays. Since a seal-in function is not incorporated in the control circuitry, chatter would cause, in the worst case, only a temporary change of the valve's state (milliseconds).              |
| 12     | The solenoid valve is controlled with a timing relay, switchgear breaker, and a mechanical switch. Since a seal-in function is not incorporated in the control circuitry, chatter would cause, in the worst case, only a temporary change of the valve's state (milliseconds). |
| 13     | Relays have the control function, but the desired state of the equipment is stated to be "NO EFFECT," meaning that the position of that equipment is not critical to the safe shutdown process.  |
| 14     | The failed and desired states for the switchgear breaker are "TRIPPED." Therefore, the tripping circuitry is chatter acceptable, while the closing circuitry should be seismically evaluated.  |



RELAY EVALUATION REPORT

TABLE B-2  
 FUNCTIONAL SCREENING NOTES

| Note # | Functional Screening Basis Discussion   |
|--------|---|
| 15     | The desired position of valves 1(2)MS-2019 and 1(2)MS-2020 is open. Although relays 1(2)62A and 1(2)62B are in the opening circuits of these valves, their function is anticipatory and non-safety related. Since parallel safety related paths exist in the opening circuits, relays 1(2)62A and 1(2)62B are not relied upon to open the valves, and chatter in these relays will not prevent the valves from opening.   |
| 16     | The Westinghouse MG-6 relays have normally open and normally closed contact pairs in the breaker control circuits. The seismic capacity of the Westinghouse MG-6 normally de-energized, normally closed contact pair is 3g, and of the normally energized, normally open contact pair is 10g. The seismic screening applies only to the normally open contact pair with a capacity of 10g. The de-energized normally closed contact pair is screened as chatter acceptable. See Appendix E of this report for an explanation of the Westinghouse MG-6 de-energized, normally closed contact pair chatter acceptability. |
| 17     | Calculation N-88-034, "EDG Room Ventilation Test Evaluation" determined that the temperature rise in the diesel generator room, with no exhaust fans running, is .33 °F/min. The design basis ambient temperature for PBNP is 85 °F. The first diesel exhaust fan starts at a room temperature of 105 °F. Therefore, the fans are not required to operate until approximately 45 minutes after EDG start. Since the fan coolers are neither required to operate nor required to remain off during the period of strong motion, chatter of the temperature switches in the fan cooler control circuits is acceptable.    |
| 18     | The 74XA3 and 74XB3 contacts can chatter closed and cause isolation of containment ventilation, which would have no adverse impact on the ability to perform a safe shutdown of either Unit.  |
| 19     | Testing relays in the Reactor Protection System perform no control functions, so they are chatter acceptable.   |
| 20     | Westinghouse MG-6 relays FSX and ESTX have de-energized, normally open contact pairs in the closing and lockout circuitry for the emergency diesel generator output breakers. Since no de-energized, normally closed contact pairs are being evaluated for these relays, a seismic capacity of 10g may be used.   |
| 21     | Service Air compressor K3B is required to remain in the OFF position during the safety injection load sequencing on the emergency diesel generator. Although relay 2CR has a contact pair in the trip circuitry, an alternate path through relay 3CR is relied upon to perform the tripping function. Chatter of the 2CR contact pair will neither cause a compressor start nor prevent compressor tripping, provided relay 3CR performs its required function and does not chatter.  |
| 22     | The relay is mounted in a control panel which is mounted on the emergency diesel generator or the air compressor. The relay is not chatter acceptable and is judged to be seismically adequate based on it functioning properly while vibrating during normal equipment operation.  |
| 23     | The solenoid valve is controlled with a timing relay, a differential pressure switch, and the position switch for one of two motor operated valves. Since a seal-in function is not incorporated in the control circuitry, chatter would cause, in the worst case, only a temporary change of the valve's state (milliseconds).   |



RELAY EVALUATION REPORT

TABLE B 2  
FUNCTIONAL SCREENING NOTES

| Note # | Functional Screening Basis Discussion  |
|--------|--|
| 24     | The seismic capacity for the 1(2) PIC-639 is based on GERS package GERS-PS.5. The GERS checklist requires that the setpoint differentials should exceed the standard system operating values by at least 10%. ICP 6.15 documents the 1(2) PIC-639 setpoints. |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

The Essential Relay List (ERL) on the following pages provides a listing of the relays "essential" for the operation of the PBNP safe shutdown equipment. The list is sorted by "Relay ID". This list provides the results of the seismic capacity screening for the essential relays. The information in the table was initially recorded by the relay analyst on the Relay Identification / Functional Screening Worksheet and then transferred into a database. The relay identification number and the relay make and model were obtained from the electrical control circuit drawings. The "subsystem" field provides the equipment identification number for the safe shutdown component for which the relay functionality review is being performed. The "location" field provides the location of the relay as indicated on the corresponding electrical schematic drawing. The "relay cabinet id" field provides the equipment identification number corresponding to the component that was verified during the seismic walkdowns. The "screening code" field is the code used by the relay analyst to indicate the results of the functional screening. Some screening codes are followed by a number, which corresponds to the note in Appendix B, Table B-2. For the essential relays, the screening code will be either "SS#" or "SWGR", which are:

SS# seismic screening required - followed by a note # when required

SWGR switchgear "rule of the box" applies

The "low rugged relay check" field indicates which relays were checked against the list of low ruggedness relays found in Appendix E of EPRI NP 7148 [6.7]. The "LRR" entry indicates that the relay is not one of the low ruggedness relays. The "No" entry indicates that the relay is a low ruggedness relay. The "N/A" entry indicates that a low rugged relay check was not required. This was the case for essential relays mounted on vibrating equipment.



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

The "seismic capacity screening basis" field indicates which seismic capacity vs. demand screening level was used. The different screening levels are explained in Section 4 of the report. The "relay GERS seismic capacity" field provides the seismic capacity of the relay device and the relay device operating state that was used for the seismic capacity vs. demand check. The "Status" field provides final outcome of the seismic capacity vs. demand check; "yes" indicates the relay device has sufficient seismic capacity and "no" indicates the relay is an "outlier" either for being a low ruggedness relay or for not passing the seismic capacity vs. demand check.



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|    | RELAY ID     | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BAS' S                    | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----|--------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1  | 1-1/N-31B-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 2  | 1-1/N-31B-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 3  | 1-1/N-32B-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 4  | 1-1/N-32B-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 5  | 1-1/N-33A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 6  | 1-1/N-33B-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 7  | 1-1/N-35A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 8  | 1-1/N-35A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 9  | 1-1/N-36A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 10 | 1-1/N-36A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 11 | 1-1/N-38A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 12 | 1-1/N-38B-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 13 | 1-1/N-39A-XA | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 14 | 1-1/N-39A-XB | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|    | RELAY ID     | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----|--------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 15 | 1-1/N-39B-XA | W NBF66S   | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 16 | 1-1/N-39B-XB | W NBF66S   | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Mbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 17 | 1-1/N-41K-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 18 | 1-1/N-41K-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 19 | 1-1/N-42K-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 20 | 1-1/N-42K-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 21 | 1-1/N-43K-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 22 | 1-1/N-43K-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 23 | 1-1/N-44K-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 24 | 1-1/N-44K-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 25 | 1-1/N-47A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 26 | 1-1/N-47B-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98          | Yes    |
| 27 | 1-2019X      | W BFD66S   | MS     | 1MS-2019-M | C-01-1(2)C-04    | 1C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|    | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 28 | 1-2020X     | W BFD66S   | MS     | 1MS-2020-M | C-01-1(2)C-04    | 1C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 29 | 1-271/A05   | ITE-27D    | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27) Non-operate, normally open   15.00)   ANSI C37.98                   | Yes    |
| 30 | 1-271/A06   | ITE-27D    | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27) Non-operate, normally open   15.00)   ANSI C37.98                   | Yes    |
| 31 | 1-271/B03   | ITE-27D    | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27) Non-operate, normally open   15.00)   ANSI C37.98                   | Yes    |
| 32 | 1-271/B04   | ITE-27D    | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27) Non-operate, normally open   15.00)   ANSI C37.98                   | Yes    |
| 33 | 1-271X/B03  | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98    | Yes    |
| 34 | 1-271X/B04  | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98    | Yes    |
| 35 | 1-271X1/A05 | W MG-6     | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98    | Yes    |
| 36 | 1-271X1/A06 | W MG-6     | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98    | Yes    |
| 37 | 1-271X1/B03 | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98    | Yes    |
| 38 | 1-271X1/B04 | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98    | Yes    |
| 39 | 1-271X2/A05 | W MG-6     | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98    | Yes    |
| 40 | 1-271X2/A06 | W MG-6     | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98    | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|    | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 41 | 1-271X2/B03 | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 42 | 1-271X2/B04 | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 43 | 1-271X3/B03 | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 44 | 1-271X3/B04 | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 45 | 1-271X4/B03 | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 46 | 1-271X4/B04 | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 47 | 1-272/A05   | ITE-27D    | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 48 | 1-272/A06   | ITE-27D    | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 49 | 1-272/B03   | ITE-27D    | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 50 | 1-272/B04   | ITE-27D    | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 51 | 1-272X/B03  | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 52 | 1-272X/B04  | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 53 | 1-272X1/A05 | W MG-6     | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 54 | 1-272X1/A06 | W MG-6     | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|    | RELAY ID     | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----|--------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 55 | 1-272X1/B03  | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 56 | 1-272X1/B04  | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 57 | 1-272X2/A05  | W MG-6     | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 58 | 1-272X2/A06  | W MG-6     | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 59 | 1-272X2/B03  | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 60 | 1-272X2/B04  | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 61 | 1-272X3/B03  | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 62 | 1-272X3/B04  | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 63 | 1-272X4/B03  | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 64 | 1-272X4/B04  | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 65 | 1-273/A01-XA | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 66 | 1-273/A01-XB | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 67 | 1-273/A02-XA | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 68 | 1-273/A02-XB | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|    | RELAY ID     | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----|--------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 69 | 1-273/A05    | ITE-27D    | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 70 | 1-273/A06    | ITE-27D    | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 71 | 1-273/B03    | ITE-27D    | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 72 | 1-273/B04    | ITE-27D    | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 73 | 1-273X/B03   | W MG-6     | UV     | 1B-03      | 1B-03            | 1B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 74 | 1-273X/B04   | W MG-6     | UV     | 1B-04      | 1B-04            | 1B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 75 | 1-274/A01-XA | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 76 | 1-274/A01-XB | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 77 | 1-274/A02-XA | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 78 | 1-274/A02-XB | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 79 | 1-274/A05    | ITE-27D    | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 80 | 1-274/A06    | ITE-27D    | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 81 | 1-275/A05    | ITE-27D    | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 82 | 1-275/A06    | ITE-27D    | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|    | RELAY ID     | RELAY MAKE      | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----|--------------|-----------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 83 | 1-33AC-SL-XA | W Nbfd66S       | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98           | Yes    |
| 84 | 1-33AC-SL-XB | W Nbfd66S       | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98           | Yes    |
| 85 | 1-33AC-SR-XA | W Nbfd66S       | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98           | Yes    |
| 86 | 1-33AC-SR-XB | W Nbfd66S       | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98           | Yes    |
| 87 | 1-62/4044A   | AGASTAT 7014 PC | MS     | 1MS-2019-M | C-01-1(2)C-04    | 1C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414) Non-operate, normally closed   10.00     ANSI C37.98 | Yes    |
| 88 | 1-62/4044B   | AGASTAT 7014 PC | MS     | 1MS-2020-M | C-01-1(2)C-04    | 1C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414) Non-operate, normally closed   10.00     ANSI C37.98 | Yes    |
| 89 | 1-62/P2A     | AGASTAT 2412PC  | 480V   | 1B52-13A   | 1B-03            | 1B52-13A | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50     ANSI C37.98   | Yes    |
| 90 | 1-62/P2B     | AGASTAT 2412PC  | 480V   | 1B52-13B   | 1B-03            | 1B52-13B | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50     ANSI C37.98   | Yes    |
| 91 | 1-62/P2C     | AGASTAT 2412PC  | 480V   | 1B52-20A   | 1B-04            | 1B52-20A | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50     ANSI C37.98   | Yes    |
| 92 | 1-63/AST3-XA | W Nbfd66S       | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98           | Yes    |
| 93 | 1-63/AST3-XB | W Nbfd66S       | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98           | Yes    |
| 94 | 1-63/AST4-XA | W Nbfd66S       | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98           | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM                                | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|--------------|---------------------------------------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|---|--------|
| 95       | 1-63/AST4-XB | W Nbfd66S                             | RP         |                  | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98            | Yes    |
| 96       | 1-63/AST5-XA | W Nbfd66S                             | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98            | Yes    |
| 97       | 1-63/AST5-XB | W Nbfd66S                             | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98            | Yes    |
| 98       | 1-71A/BAT    | W Bfd44S                              | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS     | Yes    |
| 99       | 1-71B/BAT    | W Bfd44S                              | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS     | Yes    |
| 100      | 1-86/A05     | ELECTROSWITCH SERIES 24 CATALOG 7807D | 4160V      | 1A-05            | 1A-05          | 1A-05                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Electroswitch LOR) Non-operate, normally open   10.00     ANSI C37.98            | Yes    |
| 101      | 1-86/A06     | W WL                                  | 4160V      | 1A-06            | 1A-06          | 1A-06                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse WL (DC)) Non-operate, normally open   10.00     Modified Relay GERS | Yes    |
| 102      | 1-86/B03     | W WL                                  | 480V       | 1B-03            | C-01-1(2)C-04  | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse WL (DC)) Non-operate, normally open   10.00     Modified Relay GERS | Yes    |
| 103      | 1-86/B04     | W WL                                  | 480V       | 1B-04            | C-01-1(2)C-04  | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse WL (DC)) Non-operate, normally open   10.00     Modified Relay GERS | Yes    |
| 104      | 1-86X/A05    | W SG (DE,NO)                          | 4160V      | 1A-05            | 1A-05          | 1A-05                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (SG (DC voltage)) Non-operate, normally open   9.00     Modified Relay GERS        | Yes    |
| 105      | 1-86X/A06    | W SG (DE,NO)                          | 4160V      | 1A-06            | 1A-06          | 1A-06                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (SG (DC voltage)) Non-operate, normally open   9.00     Modified Relay GERS        | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM     | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|------------|------------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|---|--------|
| 106      | 1-86X/B03  | W Nbfd65nr | 480V       | 1B-03            | 1B-03          | 1B-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 107      | 1-86X/B04  | W Nbfd65nr | 480V       | 1B-04            | 1B-04          | 1B-04                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 108      | 1-87A/A05  | W CA-16    | 4160V      | 1A-05            | 1A-05          | 1A-05                      | SS                     | LRR                            | Unknown capacity  | No     |
| 109      | 1-87A/A06  | W CA-16    | 4160V      | 1A-06            | 1A-06          | 1A-06                      | SS                     | LRR                            | Unknown capacity  | No     |
| 110      | 1-87B/A05  | W CA-16    | 4160V      | 1A-05            | 1A-05          | 1A-05                      | SS                     | LRR                            | Unknown capacity  | No     |
| 111      | 1-87B/A06  | W CA-16    | 4160V      | 1A-06            | 1A-06          | 1A-06                      | SS                     | LRR                            | Unknown capacity  | No     |
| 112      | 1-87C/A05  | W CA-16    | 4160V      | 1A-05            | 1A-05          | 1A-05                      | SS                     | LRR                            | Unknown capacity  | No     |
| 113      | 1-87C/A06  | W CA-16    | 4160V      | 1A-06            | 1A-06          | 1A-06                      | SS                     | LRR                            | Unknown capacity  | No     |
| 114      | 1A52-06-XA | W Nbfd66s  | RP         |                  | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 115      | 1A52-06-XB | W Nbfd66s  | RP         |                  | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 116      | 1A52-12-XA | W Nbfd66s  | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 117      | 1A52-12-XB | W Nbfd66s  | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 118      | 1A52-59    |            | SI         | 1P-15A-M         | 1A-05          | 1A52-59                    | SWGR                   | LRR                            | Switchgear Rule-of-the-Box  | Yes    |
| 119      | 1A52-65    |            | SI         | 1P-15B-M         | 1A-06          | 1A52-65                    | SWGR                   | LRR                            | Switchgear Rule-of-the-Box  | Yes    |
| 120      | 1AFW-12X   | W Bfd22s   | ESF        |                  | 1C-156-157     | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |
| 121      | 1AFW-22X   | W Bfd22s   | ESF        |                  | 1C-158/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |
| 122      | 1B42-3210F | CONTACTOR  | SW         | 1SW-2907-M       | 1B-32          | 1B32-10F                   | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.50 (Main1) Non-operate, normally open   4.50     Main Contactors                  | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|------------|------------|--------|------------|------------------|------------|----------------------------|------------------------|--|---|--------|
| 123 | 1B42-3210J | CONTACTOR  | SW     | SW-2870-M  | 1B-32            | 1B32-10J   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 124 | 1B42-3210M | CONTACTOR  | SW     | SW-2891-M  | 1B-32            | 1B32-10M   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 125 | 1B42-3211J | CONTACTOR  | SW     | SW-2816-M  | 1B-32            | 1B32-11J   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 126 | 1B42-3212H | CONTACTOR  | 125VDC | D-109      | 1B42-3212H       | 1B42-3212H | SS                         | LRR                    | Level 4: Current Standards/Licensing Criteria      |   | Yes    |
| 127 | 1B42-3213C | CONTACTOR  | CV     | 1CV-112B-M | 1B-32            | 1B32-13C   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 128 | 1B42-3213L | CONTACTOR  | 480V   | 1B52-3213L | 1B-32            | 1B-32      | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Operate, normally closed   4.50)    Main Contactors   | Yes    |
| 129 | 1B42-321F  | CONTACTOR  | SI     | 1SI-852A-M | 1B-32            | 1B32-1F    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 130 | 1B42-321J  | CONTACTOR  | SI     | 1SI-866A-M | 1B-32            | 1B32-1J    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 131 | 1B42-321M  | CONTACTOR  | SI     | 1SI-860A-M | 1B-32            | 1B32-1M    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 132 | 1B42-322C  | CONTACTOR  | SI     | 1SI-896A-M | 1B-32            | 1B32-2C    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 133 | 1B42-322F  | CONTACTOR  | SI     | 1SI-878D-M | 1B-32            | 1B32-2F    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 134 | 1B42-322J  | CONTACTOR  | SI     | 1SI-878A-M | 1B-32            | 1B32-2J    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 135 | 1B42-322M  | CONTACTOR  | SI     | 1SI-860C-M | 1B-32            | 1B32-2M    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |
| 136 | 1B42-323C  | CONTACTOR  | SI     | 1SI-851A-M | 1B-32            | 1B32-3C    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 137 | 1B42-323M  | CONTACTOR  | SI     | 1SI-871A-M | 1B-32            | 1B32-3M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 138 | 1B42-324C  | CONTACTOR  | SI     | 1SI-825A-M | 1B-32            | 1B32-4C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 139 | 1B42-325F  | CONTACTOR  | SI     | 1SI-826C-M | 1B-32            | 1B32-5F  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 140 | 1B42-326C  | CONTACTOR  | CC     | 1CC-754A-M | 1B-32            | 1B32-6C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 141 | 1B42-326F  | CONTACTOR  | CC     | 1CC-759A-M | 1B-32            | 1B32-6F  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 142 | 1B42-326J  | CONTACTOR  | CC     | 1CC-754B-M | 1B-32            | 1B32-6J  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 143 | 1B42-326M  | CONTACTOR  | CC     | 1CC-759B-M | 1B-32            | 1B32-6M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 144 | 1B42-327M  | CONTACTOR  | CC     | 1CC-815-M  | 1B-32            | 1B32-7M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 145 | 1B42-328C  | CONTACTOR  | AF     | AF-4009-M  | 1B-32            | 1B32-8C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 146 | 1B42-328F  | CONTACTOR  | AF     | AF-4023-M  | 1B-32            | 1B32-8F  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 147 | 1B42-329H  | CONTACTOR  | VNDG   | W-12A-M    | 1B-32            | 1B32-9H  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 148 | 1B42-391   | CONTACTOR  | 125VDC | D-07       | 1B42-391         | 1B39-1   | SS                         | LRR                    | Level 4: Current Standards/Licensing Criteria      |  | Yes    |
| 149 | 1B42-4210C | CONTACTOR  | SW     | 1SW-290B-M | 1B-42            | 1B42-10C | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 150 | 1B42-4210F | CONTACTOR  | SW     | 1SW-2880-M | 1B-42            | 1B42-10F | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 151 | 1B42-4210M | CONTACTOR  | FO     | FO-3931-M  | 1B-42            | 1B42-10M | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 152 | 1B42-421F  | CONTACTOR  | SI     | 1SI-852B-M | 1B-42            | 1B42-1F  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 153 | 1B42-421J  | CONTACTOR  | SI     | 1SI-866B-M | 1B-42            | 1B42-1J  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 154 | 1B42-421M  | CONTACTOR  | SI     | 1SI-860B-M | 1B-42            | 1B42-1M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 155 | 1B42-422C  | CONTACTOR  | SI     | 1SI-896B-M | 1B-42            | 1B42-2C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 156 | 1B42-422F  | CONTACTOR  | SI     | 1SI-878C-M | 1B-42            | 1B42-2F  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 157 | 1B42-422J  | CONTACTOR  | SI     | 1SI-878B-M | 1B-42            | 1B42-2J  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 158 | 1B42-422M  | CONTACTOR  | SI     | 1SI-860D-M | 1B-42            | 1B42-2M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 159 | 1B42-423C  | CONTACTOR  | SI     | 1SI-851B-M | 1B-42            | 1B42-3C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 160 | 1B42-423M  | CONTACTOR  | SI     | 1SI-871B-M | 1B-42            | 1B42-3M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 161 | 1B42-424C  | CONTACTOR  | SI     | 1SI-825B-M | 1B-42            | 1B42-4C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 162 | 1B42-425J  | CONTACTOR  | SI     | 1SI-828B-M | 1B-42            | 1B42-5J  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 163 | 1B42-426C  | CONTACTOR  | CC     | 1CC-719-M  | 1B-42            | 1B42-6C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 164 | 1B42-428C  | CONTACTOR  | AF     | AF-4021-M  | 1B-42            | 1B42-8C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS  |     |
|----------|-------------|-----------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|--|---|-----|
| 165      | 1B42-428F   | CONTACTOR | AF         | 1AF-4006-M       | 1B-42          | 1B42-8F                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors                  | Yes |
| 166      | 1B42-429M   | CONTACTOR | VNDG       | W-12C-M          | 1B-42          | 1B42-9M                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors                  | Yes |
| 167      | 1B42-491    | CONTACTOR | 125VDC     | D-09             | 1B42-491       | 1B49-1                     | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria      |   | Yes |
| 168      | 1B42-494    | CONTACTOR | 125VDC     | D-10B            | 1B42-494       | 1B49-4                     | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria      |   | Yes |
| 169      | 1B42/S-2019 | CONTACTOR | MS         | 1MS-2019-M       | 1SMS-2019      | 1S-2019                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors                  | Yes |
| 170      | 1B42/S-2020 | CONTACTOR | MS         | 1MS-2020-M       | 1SMS-2020      | 1S-2020                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors                  | Yes |
| 171      | 1CI-10X     | W BFD48S  | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes |
| 172      | 1CI-11X     | W BFD48S  | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes |
| 173      | 1CI-12X     | W BFD48S  | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes |
| 174      | 1CI-20X     | W BFD48S  | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes |
| 175      | 1CI-21X     | W BFD48S  | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes |
| 176      | 1CI-22X     | W BFD48S  | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|----------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 177 | 1CI-A    | W MG-6     | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98   | Yes    |
| 178 | 1CI-B    | W MG-6     | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98   | Yes    |
| 179 | 1CIR-A   | W BFD22S   | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 180 | 1CIR-B   | W BFD22S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 181 | 1CP-A    | W NBFD65NR | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD   Non-operate, normally closed   5.00)   ANSI C37.98        | Yes    |
| 182 | 1CP-A-X  | W NBFD65NR | ESF    |            | C-01-1(2)C-04    | 1C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD   Non-operate, normally closed   5.00)   ANSI C37.98        | Yes    |
| 183 | 1CP-B    | W NBFD65NR | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD   Non-operate, normally closed   5.00)   ANSI C37.98        | Yes    |
| 184 | 1CP-B-X  | W NBFD65NR | ESF    |            | C-01-1(2)C-04    | 1C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD   Non-operate, normally closed   5.00)   ANSI C37.98        | Yes    |
| 185 | 1CS-10X  | W BFD64S   | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 186 | 1CS-20X  | W BFD64S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 187 | 1CS-A    | W MG-6     | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98   | Yes    |
| 188 | 1CS-B    | W MG-6     | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98   | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 189 | 1F-10X     | W BFD33S   | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes    |
| 190 | 1F-20X     | W BFD33S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes    |
| 191 | 1F-30X     | W BFD33S   | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes    |
| 192 | 1F-40X     | W BFD33S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes    |
| 193 | 1FA-1      | W MG-6     | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 194 | 1FA-2      | W MG-6     | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 195 | 1FB-1      | W MG-6     | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 196 | 1FB-2      | W MG-6     | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 197 | 1FC-411-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes    |
| 198 | 1FC-411-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes    |
| 199 | 1FC-412-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes    |
| 200 | 1FC-412-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 201 | 1FC-413-XA  | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 202 | 1FC-413-XB  | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 203 | 1FC-414-XA  | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 204 | 1FC-414-XB  | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 205 | 1FC-415-XA  | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 206 | 1FC-415-XB  | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 207 | 1FC-416-XA  | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.95 | Yes    |
| 208 | 1FC-416-XB  | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 209 | 1FC-464A-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 210 | 1FC-464A-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 211 | 1FC-464B-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 212 | 1FC-464B-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 213 | 1FC-465A-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 214 | 1FC-465A-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 215 | 1FC-465B-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 216 | 1FC-465B-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 217 | 1FC-466C-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 218 | 1FC-466C-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 219 | 1FC-467B-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 220 | 1FC-467B-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 221 | 1FC-474A-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 222 | 1FC-474A-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 223 | 1FC-474B-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 224 | 1FC-474B-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 225 | 1FC-475A-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 226 | 1FC-475A-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 227 | 1FC-475B-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 228 | 1FC-475B-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|-------------|-----------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|--|--------|
| 229      | 1FC-476C-XA | W BF66F   | RP         |                  | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 230      | 1FC-476C-XB | W BF66F   | RP         |                  | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 231      | 1FC-477B-XA | W BF66F   | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 232      | 1FC-477B-XB | W BF66F   | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 233      | 1IRB-1A     | W NBFD66S | RP         |                  | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 234      | 1IRB-1B     | W NBFD66S | RP         |                  | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 235      | 1IRB-2A     | W NBFD66S | RP         |                  | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 236      | 1IRB-2B     | W NBFD66S | RP         |                  | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 237      | 1LC-102C-XA | W BF42F   | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 238      | 1LC-102C-XB | W BF42F   | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 239      | 1LC-106C-XA | W BF42F   | ESF        |                  | 1C-156-157     | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 240      | 1LC-106C-XB | W BF42F   | ESF        |                  | 1C-158/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 241      | 1LC-112B-X  | W BF24F   | CV         | 1CV-112B-M       | 1C-158/166/167 | 1C-158                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 242      | 1LC-141B-X  | W BF24F   | CV         | 1CV-112B-M       | 1C-158/166/167 | 1C-158                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 243 | 1LC-171C-XA | W BF42F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 244 | 1LC-171C-XB | W BF42F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 245 | 1LC-172C-XA | W BF42F    | ESF    |            | 1C-158-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 246 | 1LC-172C-XB | W BF42F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 247 | 1LC-189C-XA | W BF42F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 248 | 1LC-189C-XB | W BF42F    | ESF    |            | 1C-158/106/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 249 | 1LC-190C-XA | W BF42F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 250 | 1LC-190C-XB | W BF42F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 251 | 1LC-426A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 252 | 1LC-426A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 253 | 1LC-426B-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 254 | 1LC-426B-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 255 | 1LC-427A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 256 | 1LC-427A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 257 | 1LC-427C-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 258 | 1LC-427C-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 259 | 1LC-428A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 260 | 1LC-428A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 261 | 1LC-428E-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 262 | 1LC-428E-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 263 | 1LC-461A-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 264 | 1LC-461A-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 265 | 1LC-461B-XA | W BF57F    | AF     | AF-4023-M  | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 266 | 1LC-461B-XA | W BF57F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse 2F) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 267 | 1LC-461B-XB | W BF57F    | AF     | AF-4021-M  | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 268 | 1LC-461B-XB | W BF57F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 269 | 1LC-461B-YA | W BF57F    | AF     | AF-4023-M  | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 270 | 1LC-461B-YB | W BF57F    | AF     | AF-4021-M  | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM  | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|-------------|---------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|--|--------|
| 271      | 1LC-462A-XA | W BF57F | AF         | AF-4023-M        | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 272      | 1LC-462A-XA | W BF57F | RP         |                  | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 273      | 1LC-462A-XB | W BF57F | AF         | AF-4021-M        | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 274      | 1LC-462A-XB | W BF57F | RP         |                  | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 275      | 1LC-462A-YA | W BF57F | AF         | AF-4023-M        | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 276      | 1LC-462A-YB | W BF57F | AF         | AF-4021-M        | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 277      | 1LC-462B-XA | W BF55F | ESF        |                  | 1C-166-167     | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 278      | 1LC-462B-XB | W BF55F | ESF        |                  | 1C-166/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 279      | 1LC-462C-XA | W BF66F | RP         |                  | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 280      | 1LC-462C-XB | W BF66F | RP         |                  | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 281      | 1LC-463C-XA | W BF57F | AF         | AF-4023-M        | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 282      | 1LC-463C-XA | W BF57F | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 283      | 1LC-463C-XB | W BF57F | AF         | AF-4021-M        | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 284      | 1LC-463C-XB | W BF57F | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 285 | 1LC-463C-YA | W BF57F    | AF     | AF-4023-M  | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 286 | 1LC-463C-YB | W BF57F    | AF     | AF-4021-M  | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 287 | 1LC-463D-XA | W BF55F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 288 | 1LC-463D-XB | W BF55F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 289 | 1LC-463E-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 290 | 1LC-463E-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 291 | 1LC-471A-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 292 | 1LC-471A-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 293 | 1LC-471B-XA | W BF57F    | AF     | AF-4023-M  | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 294 | 1LC-471B-XA | W BF57F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 295 | 1LC-471B-XB | W BF57F    | AF     | AF-4021-M  | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 296 | 1LC-471B-XB | W BF57F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 297 | 1LC-471B-YA | W BF57F    | AF     | AF-4023-M  | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 298 | 1LC-471B-YB | W BF57F    | AF     | AF-4021-M  | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 299 | 1LC-472A-XA | W BF57F    | AF     | AF-4023-M  | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 300 | 1LC-472A-XA | W BF57F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 301 | 1LC-472A-XB | W BF57F    | AF     | AF-4021-M  | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 302 | 1LC-472A-XB | W BF57F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 303 | 1LC-472A-YA | W BF57F    | AF     | AF-4023-M  | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 304 | 1LC-472A-YB | W BF57F    | AF     | AF-4021-M  | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 305 | 1LC-472B-XA | W BF55F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 306 | 1LC-472B-XB | W BF55F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 307 | 1LC-472C-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 308 | 1LC-472C-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 309 | 1LC-473C-XA | W BF57F    | AF     | AF-4023-M  | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 310 | 1LC-473C-XA | W BF57F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 311 | 1LC-473C-XB | W BF57F    | AF     | AF-4021-M  | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 312 | 1LC-473C-XB | W BF57F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM   | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS  |     |
|----------|-------------|----------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|--|---|-----|
| 313      | 1LC-473C-YA | W BF57F  | AF         | AF-4023-M        | 1C-151-155     | 1C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes |
| 314      | 1LC-473C-YB | W BF57F  | AF         | AF-4021-M        | 1C-161-165     | 1C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes |
| 315      | 1LC-473D-XA | W BF55F  | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes |
| 316      | 1LC-473D-XB | W BF55F  | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes |
| 317      | 1LC-473E-XA | W BF66F  | RP         |                  | 1C-151-155     | 1C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes |
| 318      | 1LC-473E-XB | W BF66F  | RP         |                  | 1C-161-165     | 1C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98          | Yes |
| 319      | 1LCAA       | W BFD44S | AF         | AF-4023-M        | C-01-1(2)C-04  | 1C-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes |
| 320      | 1LCAB       | W BFD44S | AF         | AF-4021-M        | C-01-1(2)C-04  | 1C-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes |
| 321      | 1LCBA       | W BFD44S | AF         | AF-4023-M        | C-01-1(2)C-04  | 1C-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes |
| 322      | 1LCBB       | W BFD44S | AF         | AF-4021-M        | C-01-1(2)C-04  | 1C-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes |
| 323      | 1MS-A1      | W BFD33S | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes |
| 324      | 1MS-A2      | W BFD33S | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 325 | 1MS-B1     | W BFD33S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 326 | 1MS-B2     | W BFD33S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 327 | 1NC-31D-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 328 | 1NC-31D-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 329 | 1NC-32D-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 330 | 1NC-32D-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 331 | 1NC-35D-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 332 | 1NC-35D-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 333 | 1NC-35F-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 334 | 1NC-35F-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 335 | 1NC-36D-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 336 | 1NC-36D-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 337 | 1NC-36F-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 338 | 1NC-36F-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 339 | 1NC-41K-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 340 | 1NC-41K-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 341 | 1NC-41M-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 342 | 1NC-41M-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 343 | 1NC-41N-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 344 | 1NC-41N-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 345 | 1NC-41P-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 346 | 1NC-41P-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 347 | 1NC-41R-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 348 | 1NC-41R-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 349 | 1NC-41S-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 350 | 1NC-41S-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 351 | 1NC-42K-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 352 | 1NC-42K-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 353 | 1NC-42M-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 354 | 1NC-42M-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 355 | 1NC-42N-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 356 | 1NC-42N-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 357 | 1NC-42P-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 358 | 1NC-42P-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 359 | 1NC-42R-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 360 | 1NC-42R-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 361 | 1NC-42S-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 362 | 1NC-42S-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 363 | 1NC-43K-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 364 | 1NC-43K-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |
| 365 | 1NC-43M-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.9B | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 366 | 1NC-43M-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 367 | 1NC-43N-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 368 | 1NC-43N-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 369 | 1NC-43P-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 370 | 1NC-43P-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 371 | 1NC-43R-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 372 | 1NC-43R-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 373 | 1NC-43S-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 374 | 1NC-43S-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 375 | 1NC-44K-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 376 | 1NC-44K-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 377 | 1NC-44M-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 378 | 1NC-44M-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 379 | 1NC-44N-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 380 | 1NC-44N-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00)   ANSI C37.98   | Yes    |
| 381 | 1NC-44P-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00)   ANSI C37.98   | Yes    |
| 382 | 1NC-44P-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00)   ANSI C37.98   | Yes    |
| 383 | 1NC-44R-XA | W CF66F    | RF     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00)   ANSI C37.98   | Yes    |
| 384 | 1NC-44R-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00)   ANSI C37.98   | Yes    |
| 385 | 1NC-44S-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00)   ANSI C37.98   | Yes    |
| 386 | 1NC-44S-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00)   ANSI C37.98   | Yes    |
| 387 | 1P07-1A    | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00)   ANSI C37.98 | Yes    |
| 388 | 1P07-1B    | W Nbfd84S  | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00)   ANSI C37.98 | Yes    |
| 389 | 1P07-2A    | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00)   ANSI C37.98 | Yes    |
| 390 | 1P07-2B    | W Nbfd84S  | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00)   ANSI C37.98 | Yes    |
| 391 | 1P07-3A    | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00)   ANSI C37.98 | Yes    |
| 392 | 1P07-3B    | W Nbfd84S  | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00)   ANSI C37.98 | Yes    |
| 393 | 1P08-1A    | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|------------|-----------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|--|--------|
| 394      | 1P08-1B    | W Nbfd66S | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 395      | 1P08-2A    | W Nbfd66S | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 396      | 1P08-2B    | W Nbfd66S | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 397      | 1P09-1A    | W Nbfd66S | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 398      | 1P09-1B    | W Nbfd66S | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 399      | 1P09-2A    | W Nbfd66S | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 400      | 1P09-2B    | W Nbfd66S | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 401      | 1P10-1A    | W Nbfd66S | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 402      | 1P10-1B    | W Nbfd66S | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 403      | 1P10-2A    | W Nbfd66S | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 404      | 1P10-2B    | W Nbfd66S | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 405      | 1P32A-XA   | W Bf62F   | ESF        |                  | 1C-156-157     | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse Bf) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 406      | 1P32A-XB   | W Bf62F   | ESF        |                  | 1C-158/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse Bf) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 407      | 1P32B-XA   | W Bf62F   | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse Bf) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM  | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|-------------|---------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|--|--------|
| 408      | 1P32B-XB    | W BF62F | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 409      | 1P32C-XA    | W BF62F | ESF        |                  | 1C-156-157     | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 410      | 1P32C-XB    | W BF62F | ESF        |                  | 1C-158/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 411      | 1P32D-XA    | W BF62F | ESF        |                  | 1C-156-157     | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 412      | 1P32D-XB    | W BF62F | ESF        |                  | 1C-158/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 413      | 1P32E-XA    | W BF62F | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 414      | 1P32E-XB    | W BF62F | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 415      | 1P32F-XA    | W BF62F | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 416      | 1P32F-XB    | W BF62F | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 417      | 1PC-428B-XA | W BF53F | ESF        |                  | 1C-156-157     | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 418      | 1PC-428B-XB | W BF53F | ESF        |                  | 1C-158/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 419      | 1PC-429A-XA | W BF66F | RP         |                  | 1C-151-155     | 1C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 420      | 1PC-429A-XB | W BF66F | RP         |                  | 1C-161-165     | 1C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 421      | 1PC-429C-XA | W BF46F | ESF        |                  | 1C-156-157     | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 422 | 1PC-429C-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 423 | 1PC-429E-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 424 | 1PC-429E-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 425 | 1PC-430A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 426 | 1PC-430A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 427 | 1PC-430E-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 428 | 1PC-430E-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 429 | 1PC-430F-XA | W BF66F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 430 | 1PC-430F-XB | W BF66F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 431 | 1PC-430H-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 432 | 1PC-430H-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 433 | 1PC-431A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 434 | 1PC-431A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 435 | 1PC-431G-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 436 | 1PC-431G-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 437 | 1PC-431I-XA | W BF66F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 438 | 1PC-431I-XB | W BF66F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 439 | 1PC-431J-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 440 | 1PC-431J-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 441 | 1PC-449A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 442 | 1PC-449A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 443 | 1PC-468A-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 444 | 1PC-468A-XB | W BF46F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 445 | 1PC-469A-XA | W BF48F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 446 | 1PC-469A-XB | W BF48F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 447 | 1PC-478A-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 448 | 1PC-478A-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 449 | 1PC-479A-XA | W BF48F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 450 | 1PC-479A-XB | W BF48F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 451 | 1PC-482A-XA | W BF48F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 452 | 1PC-482A-XB | W BF48F    | ESF    |            | 1C-158/166/167   | 1C-186   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 453 | 1PC-483A-XA | W BF48F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 454 | 1PC-483A-XB | W BF48F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 455 | 1PC-484A-XA | W NBFDe6S  | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFDe) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 456 | 1PC-484A-XB | W NBFDe6S  | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFDe) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 457 | 1PC-485A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 458 | 1PC-485A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 459 | 1PC-486A-XA | W BF66F    | RP     |            | 1C-151-155       | 1C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 460 | 1PC-486A-XB | W BF66F    | RP     |            | 1C-161-165       | 1C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 461 | 1PC-628-XA  | W BF22F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 462 | 1PC-629-XB  | W BF22F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 463 | 1PC-639-X1  | W BFD24S   | CC     | 1P-11A-M   | 1C-158/165/167   | 1C-158   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 464 | 1PC-639-X2  | W BFD11S   | CC     | 1P-11B-M   | C-01-1(2)C-04    | 1C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 465 | 1PC-945A-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 466 | 1PC-945A-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 467 | 1PC-945B-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 468 | 1PC-945B-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 469 | 1PC-946A-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 470 | 1PC-946A-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 471 | 1PC-946B-XA | W BF44F    | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 472 | 1PC-946B-XB | W BF44F    | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 473 | 1PC-947A-XA | W BF46F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 474 | 1PC-947A-XB | W BF46F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 475 | 1PC-947B-XA | W BF55F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE        | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|-------------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 476 | 1PC-947B-XB | W BF55F           | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 477 | 1PC-948A-XA | W BF48F           | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 478 | 1PC-948A-XB | W BF48F           | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 479 | 1PC-948B-XA | W BF55F           | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 480 | 1PC-948B-XB | W BF55F           | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 481 | 1PC-949A-XA | W BF48F           | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 482 | 1PC-949A-XB | W BF48F           | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 483 | 1PC-949B-XA | W BF55F           | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 484 | 1PC-949B-XB | W BF55F           | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 485 | 1PC-950A-XA | W BF48F           | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 486 | 1PC-950A-XB | W BF48F           | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 487 | 1PC-950B-XA | W BF55F           | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 488 | 1PC-950B-XB | W BF55F           | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 489 | 1PIC-639    | BARTON Model 288A | CC     | 1P-11A-M   | 1PIC-639         | 1PIC-639 | SS24                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (Barton Models 288 & 289) Operate, normally open   3.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM                        | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|--------------|-------------------------------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|--------|
| 490      | 1PRB-1A      | W Nbfd69S                     | RP         |                  | 1C-151-155 | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 491      | 1PRB-1B      | W Nbfd66S                     | RP         |                  | 1C-161-165 | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 492      | 1PRB-2A      | W Nbfd66S                     | RP         |                  | 1C-151-155 | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 493      | 1PRB-2B      | W Nbfd66S                     | RP         |                  | 1C-161-165 | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 494      | 1PY-4044-LLA | FOXBORO NO152CK - N-2AO-L2C-R | MS         | 1MS-2019-M       | 1C-170-173 | 1C-171                     | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 495      | 1PY-4044-LLB | FOXBORO NO152CK - N-2AO-L2C-R | MS         | 1MS-2020-M       | 1C-170-173 | 1C-171                     | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 496      | 1RC-1A       | W Nbfd42S                     | RP         |                  | 1C-151-155 | 1C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 497      | 1RC-1B       | W Nbfd42S                     | RP         |                  | 1C-161-165 | 1C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 498      | 1RC-2A       | W Nbfd42S                     | RP         |                  | 1C-151-155 | 1C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 499      | 1RC-2B       | W Nbfd42S                     | RP         |                  | 1C-161-165 | 1C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 500      | 1RC-3A       | W Nbfd42S                     | RP         |                  | 1C-151-155 | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 501      | 1RC-3B       | W Nbfd42S                     | RP         |                  | 1C-161-165 | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID  | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE<br>{w/ note #} | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-----------|------------|--------|------------|------------------|----------|-------------------------------|------------------------|--|--|--------|
| 502 | 1RC-4A    | W Nbfd42S  | RP     |            | 1C-151-155       | 1C-153   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 503 | 1RC-4B    | W Nbfd42S  | RP     |            | 1C-161-165       | 1C-163   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 504 | 1RCP-A-XA | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-151   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 505 | 1RCP-A-XB | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-161   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 506 | 1RCP-B-XA | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-152   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 507 | 1RCP-B-XB | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-162   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 508 | 1RT-10A   | W Nbfd31S  | RP     |            | 1C-151-155       | 1C-154   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 509 | 1RT-10B   | W Nbfd31S  | RP     |            | 1C-161-165       | 1C-164   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 510 | 1RT-11A   | W Nbfd31S  | RP     |            | 1C-151-155       | 1C-154   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 511 | 1RT-11B   | W Nbfd31S  | RP     |            | 1C-161-165       | 1C-164   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 512 | 1RT-12A   | W Nbfd31S  | RP     |            | 1C-151-155       | 1C-154   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 513 | 1RT-12B   | W Nbfd31S  | RP     |            | 1C-161-165       | 1C-164   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 514 | 1RT-1A    | W Nbfd31S  | RP     |            | 1C-151-155       | 1C-151   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 515 | 1RT-1B    | W Nbfd31S  | RP     |            | 1C-161-165       | 1C-161   | SS                            | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|------------|-----------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|--------|
| 516      | 1RT-2A     | W Nbfd31s | RP         |                  | 1C-151-155 | 1C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 517      | 1RT-2B     | W Nbfd31s | RP         |                  | 1C-161-165 | 1C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 518      | 1RT-3A     | W Nbfd31s | RP         |                  | 1C-151-155 | 1C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 519      | 1RT-3B     | W Nbfd31s | RP         |                  | 1C-161-165 | 1C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 520      | 1RT-4A     | W Nbfd31s | RP         |                  | 1C-151-155 | 1C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 521      | 1RT-4B     | W Nbfd31s | RP         |                  | 1C-161-165 | 1C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 522      | 1RT-5A     | W Nbfd31s | RP         |                  | 1C-151-155 | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 523      | 1RT-5B     | W Nbfd31s | RP         |                  | 1C-161-165 | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 524      | 1RT-6A     | W Nbfd31s | RP         |                  | 1C-151-155 | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 525      | 1RT-6B     | W Nbfd31s | RP         |                  | 1C-161-165 | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 526      | 1RT-7A     | W Nbfd31s | RP         |                  | 1C-151-155 | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 527      | 1RT-7B     | W Nbfd31s | RP         |                  | 1C-161-165 | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 528      | 1RT-8A     | W Nbfd31s | RP         |                  | 1C-151-155 | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 529      | 1RT-8B     | W Nbfd31s | RP         |                  | 1C-161-165 | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM     | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|-------------|------------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|--|--------|
| 530      | 1RT-9A      | W Nbfd31s  | RP         |                  | 1C-151-155     | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd   5.00)   ANSI C37.98        | Yes    |
| 531      | 1RT-9B      | W Nbfd31s  | RP         |                  | 1C-161-165     | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd   5.00)   ANSI C37.98        | Yes    |
| 532      | 1SI-10X     | W BFD84S   | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD   9.00)   Modified Relay GERS | Yes    |
| 533      | 1SI-10X1    | ASEA RXMA1 | 125VDC     | D-07             | 2C-20          | 2C-20                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (ASEA RXMA1   10.00)   ANSI C37.98             | Yes    |
| 534      | 1SI-11X     | W BFD84S   | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD   9.00)   Modified Relay GERS | Yes    |
| 535      | 1SI-11X-AXA | W Nbfd66S  | RP         |                  | 1C-151-155     | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd   5.00)   ANSI C37.98        | Yes    |
| 536      | 1SI-11X-AXB | W Nbfd66S  | RP         |                  | 1C-161-165     | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd   5.00)   ANSI C37.98        | Yes    |
| 537      | 1SI-12X     | W BFD84S   | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD   9.00)   Modified Relay GERS | Yes    |
| 538      | 1SI-13X     | W BFD84S   | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD   9.00)   Modified Relay GERS | Yes    |
| 539      | 1SI-14X     | W BFD84S   | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD   9.00)   Modified Relay GERS | Yes    |
| 540      | 1SI-20X     | W BFD84S   | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD   9.00)   Modified Relay GERS | Yes    |
| 541      | 1SI-20X1    | ASEA RXMA1 | 125VDC     | D-08             | 2C-20          | 2C-20                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (ASEA RXMA1   10.00)   ANSI C37.98             | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 542 | 1SI-21X     | W BFD84S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00    Modified Relay GERS | Yes    |
| 543 | 1SI-21X-BXA | W NBFD66S  | RP     |            | 1C-151-155       | 1C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00    ANSI C37.98        | Yes    |
| 544 | 1SI-21X-BXB | W NBFD66S  | RP     |            | 1C-161-165       | 1C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00    ANSI C37.98        | Yes    |
| 545 | 1SI-22X     | W BFD84S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00    Modified Relay GERS | Yes    |
| 546 | 1SI-23X     | W BFD84S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00    Modified Relay GERS | Yes    |
| 547 | 1SI-24X     | W BFD84S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00    Modified Relay GERS | Yes    |
| 548 | 1SIA-A      | W MG-6     | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98   | Yes    |
| 549 | 1SIA-B      | W MG-6     | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98   | Yes    |
| 550 | 1SIB-A      | W BFD75S   | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00    Modified Relay GERS | Yes    |
| 551 | 1SIB-B      | W BFD75S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00    Modified Relay GERS | Yes    |
| 552 | 1SIM-A      | W MG-6     | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98   | Yes    |
| 553 | 1SIM-B      | W MG-6     | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98   | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 554 | 1SIR-A      | W Nbfd65NR | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 555 | 1SIR-B      | W Nbfd65NR | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 556 | 1SRB-1A     | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 557 | 1SRB-1B     | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 558 | 1SRB-2A     | W Nbfd66S  | RP     |            | 1C-151-155       | 1C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 559 | 1SRB-2B     | W Nbfd66S  | RP     |            | 1C-161-165       | 1C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 560 | 1SW-A       | W Bfd22S   | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 561 | 1SW-AX      | W Bfd42S   | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 562 | 1SW-B       | W Bfd22S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 563 | 1SW-BX      | W Bfd42S   | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 564 | 1TC-401D-XA | W Bf66F    | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse Bf) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 565 | 1TC-401D-XB | W Bf66F    | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse Bf) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM  | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS   |     |
|----------|-------------|---------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|--|--|-----|
| 566      | 1TC-402D-XA | W BF66F | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 567      | 1TC-402D-XB | W BF66F | ESF        |                  | 1C-158/156/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 568      | 1TC-403D-XA | W BF66F | ESF        |                  | 1C-156-157     | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 569      | 1TC-403D-XB | W BF66F | ESF        |                  | 1C-158/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 570      | 1TC-404D-XA | W BF66F | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 571      | 1TC-404D-XB | W BF66F | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 572      | 1TC-405A-XA | W BF66F | RP         |                  | 1C-151-155     | 1C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 573      | 1TC-405A-XB | W BF66F | RP         |                  | 1C-161-165     | 1C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 574      | 1TC-405C-XA | W BF66F | RP         |                  | 1C-151-155     | 1C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 575      | 1TC-405C-XB | W BF66F | RP         |                  | 1C-161-165     | 1C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 576      | 1TC-406A-XA | W BF66F | RP         |                  | 1C-151-155     | 1C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 577      | 1TC-406A-XB | W BF66F | RP         |                  | 1C-161-165     | 1C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 578      | 1TC-406C-XA | W BF66F | RP         |                  | 1C-151-155     | 1C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |
| 579      | 1TC-406C-XB | W BF66F | RP         |                  | 1C-161-165     | 1C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|-------------|----------------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|--------|
| 580      | 1TC-407A-XA | W BF66F        | RP         |                  | 1C-151-155 | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98             | Yes    |
| 581      | 1TC-407A-XB | W BF66F        | RP         |                  | 1C-161-165 | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98             | Yes    |
| 582      | 1TC-407C-XA | W BF66F        | RP         |                  | 1C-151-155 | 1C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98             | Yes    |
| 583      | 1TC-407C-XB | W BF66F        | RP         |                  | 1C-161-165 | 1C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98             | Yes    |
| 584      | 1TC-408A-XA | W BF66F        | RP         |                  | 1C-151-155 | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98             | Yes    |
| 585      | 1TC-408A-XB | W BF66F        | RP         |                  | 1C-161-165 | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98             | Yes    |
| 586      | 1TC-408C-XA | W BF66F        | RP         |                  | 1C-151-155 | 1C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98             | Yes    |
| 587      | 1TC-408C-XB | W BF66F        | RP         |                  | 1C-161-165 | 1C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98             | Yes    |
| 588      | 1TDR-10     | AGASTAT 2412PD | ESF        |                  | 1C-156-157 | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50   ANSI C37.98 | Yes    |
| 589      | 1TDR-11     | AGASTAT 2412PD | ESF        |                  | 1C-156-157 | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50   ANSI C37.98 | Yes    |
| 590      | 1TDR-12     | AGASTAT 2412PE | ESF        |                  | 1C-156-157 | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50   ANSI C37.98 | Yes    |
| 591      | 1TDR-13     | AGASTAT 2412PD | ESF        |                  | 1C-156-157 | 1C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID | RELAY MAKE     | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|----------|----------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 592 | 1TDR-14  | AGASTAT 2412PD | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 593 | 1TDR-15  | AGASTAT 2412PE | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 594 | 1TDR-16  | AGASTAT 2412PE | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 595 | 1TDR-17  | AGASTAT 2412PE | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 596 | 1TDR-18  | AGASTAT 2412PD | ESF    |            | 1C-156-157       | 1C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 597 | 1TDR-19  | AGASTAT 2412PE | ESF    |            | 1C-156-157       | 1C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 598 | 1TDR-20  | AGASTAT 2412PD | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 599 | 1TDR-21  | AGASTAT 2412PD | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 600 | 1TDR-22  | AGASTAT 2412PE | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 601 | 1TDR-23  | AGASTAT 2412PD | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 602 | 1TDR-24  | AGASTAT 2412PD | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID  | RELAY MAKE     | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|-----------|----------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 603 | 1TDR-25   | AGASTAT 2412PE | ESF    |            | 1C-158/166/167   | 1C-165   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50) ANSI C37.98 | Yes    |
| 604 | 1TDR-26   | AGASTAT 2412PE | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50) ANSI C37.98 | Yes    |
| 605 | 1TDR-27   | AGASTAT 2412PE | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50) ANSI C37.98 | Yes    |
| 606 | 1TDR-28   | AGASTAT 2412PD | ESF    |            | 1C-158/166/167   | 1C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50) ANSI C37.98 | Yes    |
| 607 | 1TDR-29   | AGASTAT 2412PE | ESF    |            | 1C-158/166/167   | 1C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50) ANSI C37.98 | Yes    |
| 608 | 1TDRA/A05 | AGASTAT 7014   | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00) ANSI C37.98   | Yes    |
| 609 | 1TDRA/A06 | AGASTAT 7014   | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00) ANSI C37.98   | Yes    |
| 610 | 1TDRB/A05 | AGASTAT 7014   | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00) ANSI C37.98   | Yes    |
| 611 | 1TDRB/A06 | AGASTAT 7014   | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00) ANSI C37.98   | Yes    |
| 612 | 1TDRC/A05 | AGASTAT 7014   | UV     | 1A-05      | 1A-05            | 1A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00) ANSI C37.98   | Yes    |
| 613 | 1TDRC/A06 | AGASTAT 7014   | UV     | 1A-06      | 1A-06            | 1A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00) ANSI C37.98   | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM   | SUB-SYSTEM | RELAY CABINET ID | LOCATION       | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|--------------|----------|------------|------------------|----------------|----------------------------|------------------------|--------------------------------|---|--------|
| 614      | 1V-10X       | W BFD24S | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 615      | 1V-20X       | W BFD24S | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 616      | 1VA          | W MG-6   | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00   ANSI C37.98   | Yes    |
| 617      | 1VB          | W MG-6   | ESF        |                  | 1C-158/166/167 | 1C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00   ANSI C37.98   | Yes    |
| 618      | 1XAT1        | W BFD11S | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 619      | 1XAT2        | W BFD11S | ESF        |                  | 1C-156-157     | 1C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 620      | 1XBT1        | W BFD11S | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 621      | 1XBT2        | W BFD11S | ESF        |                  | 1C-158/166/167 | 1C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 622      | 2-1/N-31B-XA | W BF66F  | RP         |                  | 2C-151-155     | 2C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 623      | 2-1/N-31B-XB | W BF66F  | RP         |                  | 2C-161-165     | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 624      | 2-1/N-32B-XA | W BF66F  | RP         |                  | 2C-151-155     | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 625      | 2-1/N-32B-XB | W BF66F  | RP         |                  | 2C-161-165     | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID     | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|--------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 626 | 2-1/N-33A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 627 | 2-1/N-33B-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 628 | 2-1/N-35A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 629 | 2-1/N-35A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 630 | 2-1/N-36A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 631 | 2-1/N-36A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 632 | 2-1/N-38A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 633 | 2-1/N-38B-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 634 | 2-1/N-39A-XA | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 635 | 2-1/N-39A-XB | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 636 | 2-1/N-39B-XA | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 637 | 2-1/N-39B-XB | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 638 | 2-1/N-41K-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 639 | 2-1/N-41K-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID     | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|--------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 640 | 2-1/N-42K-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 641 | 2-1/N-42K-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 642 | 2-1/N-43K-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 643 | 2-1/N-43K-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 644 | 2-1/N-44K-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 645 | 2-1/N-44K-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 646 | 2-1/N-47A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 647 | 2-1/N-47B-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 648 | 2-2019X      | W BFD66S   | MS     | 2MS-2019-M | C-01-1(2)C-04    | 2C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 649 | 2-2020X      | W BFD66S   | MS     | 2MS-2020-M | C-01-1(2)C-04    | 2C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 650 | 2-271/A05    | ITE-27D    | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27) Non-operate, normally open   15.00   ANSI C37.98                   | Yes    |
| 651 | 2-271/A06    | ITE-27D    | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27) Non-operate, normally open   15.00   ANSI C37.98                   | Yes    |
| 652 | 2-271/B03    | ITE-27D    | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27) Non-operate, normally open   15.00   ANSI C37.98                   | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 653 | 2-271/B04   | ITE-27D    | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 654 | 2-271X/B03  | W MG-6     | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 655 | 2-271X/B04  | W MG-6     | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 656 | 2-271X1/A05 | W MG-6     | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 657 | 2-271X1/A06 | W MG-6     | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 658 | 2-271X1/B03 | W MG-6     | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 659 | 2-271X1/B04 | W MG-6     | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 660 | 2-271X2/A05 | W MG-6     | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 661 | 2-271X2/A06 | W MG-6     | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 662 | 2-271X2/B03 | W MG-6     | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 663 | 2-271X2/B04 | W MG-6     | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 664 | 2-271X3/B03 | W MG-6     | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 665 | 2-271X3/B04 | W MG-6     | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 666 | 2-271X4/B03 | W MG-6     | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 667 | 2-271X4/B04 | W MG-6     | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 668 | 2-272/A05   | ITE-27D    | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 669 | 2-272/A06   | ITE-27D    | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 670 | 2-272/B03   | ITE-27D    | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 671 | 2-272/B04   | ITE-27D    | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 672 | 2-272X/B03  | W MG-6     | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 673 | 2-272X/B04  | W MG-6     | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 674 | 2-272X1/A05 | W MG-6     | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 675 | 2-272X1/A06 | W MG-6     | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 676 | 2-272X1/B03 | W MG-6     | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 677 | 2-272X1/B04 | W MG-6     | UV     | 2B-04      | 2B-04            | 2B-04    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 678 | 2-272X2/A05 | W MG-6     | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 679 | 2-272X2/A06 | W MG-6     | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 680 | 2-272X2/B03 | W MG-6     | UV     | 2B-03      | 2B-03            | 2B-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|--------------|-----------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|---|--------|
| 681      | 2-272X2/B04  | W MG-6    | UV         | 2B-04            | 2B-04      | 2B-04                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 682      | 2-272X3/B03  | W MG-6    | UV         | 2B-03            | 2B-03      | 2B-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 683      | 2-272X3/B04  | W MG-6    | UV         | 2B-04            | 2B-04      | 2B-04                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 684      | 2-272X4/B03  | W MG-6    | UV         | 2B-03            | 2B-03      | 2B-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 685      | 2-272X4/B04  | W MG-6    | UV         | 2B-04            | 2B-04      | 2B-04                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 686      | 2-273/A01-XA | W Nbfd66S | RP         |                  | 2C-151-155 | 2C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98    | Yes    |
| 687      | 2-273/A01-XC | W Nbfd66S | RP         |                  | 2C-161-165 | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98    | Yes    |
| 688      | 2-273/A02-XA | W Nbfd66S | RP         |                  | 2C-151-155 | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98    | Yes    |
| 689      | 2-273/A02-XB | W Nbfd66S | RP         |                  | 2C-161-165 | 2C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98    | Yes    |
| 690      | 2-273/A05    | ITE-27D   | UV         | 2A-05            | 2A-05      | 2A-05                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98               | Yes    |
| 691      | 2-273/A06    | ITE-27D   | UV         | 2A-06            | 2A-06      | 2A-06                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98               | Yes    |
| 692      | 2-273/B03    | ITE-27D   | UV         | 2B-03            | 2B-03      | 2B-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98               | Yes    |
| 693      | 2-273/B04    | ITE-27D   | UV         | 2B-04            | 2B-04      | 2B-04                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>15.00 (ITE 27   Non-operate, normally open   15.00)   ANSI C37.98               | Yes    |
| 694      | 2-273X/B03   | W MG-6    | UV         | 2B-03            | 2B-03      | 2B-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM          | SUB-SYSTEM | RELAY CABINET ID | LOCATION      | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|--------------|-----------------|------------|------------------|---------------|----------------------------|------------------------|--------------------------------|---|--------|
| 695      | 2-273X/B04   | W MG-6          | UV         | 2B-04            | 2B-04         | 2B-04                      | SS                     | LRF                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 696      | 2-274/A01-XA | W BF66F         | RP         |                  | 2C-151-155    | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes    |
| 697      | 2-274/A01-XB | W Nbfd66S       | RP         |                  | 2C-161-165    | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 698      | 2-274/A02-XA | W Nbfd66S       | RP         |                  | 2C-151-155    | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 699      | 2-274/A02-XB | W Nbfd66S       | RP         |                  | 2C-161-165    | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 700      | 2-274/A05    | ITE-27D         | UV         | 2A-05            | 2A-05         | 2A-05                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 701      | 2-274/A06    | ITE-27D         | UV         | 2A-06            | 2A-06         | 2A-06                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 702      | 2-275/A05    | ITE-27D         | UV         | 2A-05            | 2A-05         | 2A-05                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 703      | 2-275/A06    | ITE-27D         | UV         | 2A-06            | 2A-06         | 2A-06                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>15.00 (ITE 27 Non-operate, normally open   15.00)   ANSI C37.98                 | Yes    |
| 704      | 2-33AC-SL-XA | W Nbfd66S       | RP         |                  | 2C-151-155    | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 705      | 2-33AC-SL-XB | W Nbfd66S       | RP         |                  | 2C-161-165    | 2C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 706      | 2-33AC-SR-XA | W Nbfd66S       | RP         |                  | 2C-151-155    | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 707      | 2-33AC-SR-XB | W Nbfd66S       | RP         |                  | 2C-161-165    | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd Non-operate, normally closed   5.00)   ANSI C37.98      | Yes    |
| 708      | 2-62/4044A   | AGASTAT 7014 PC | MS         | 2MS-2019-M       | C-01-1(2)C-04 | 2C-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Agastat E7014, 7014, 2414 Non-operate, normally closed                   | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION      | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS   |     |
|----------|--------------|----------------|------------|------------------|---------------|----------------------------|------------------------|--------------------------------|--|--|-----|
|          |              |                |            |                  |               |                            |                        |                                | 10.00  ANSI C37.98                                 |  |     |
| 709      | 2-62/4044B   | AGASTAT 7014PC | MS         | 2MS-2020-M       | C-01-112 C-04 | 2C-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally closed   10.00)  ANSI C37.98 | Yes |
| 710      | 2-62/P2A     | AGASTAT 2412PC | 480V       | 2B52-37A         | 2B-03         | 2B52-37A                   | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally open   12.50)  ANSI C37.98   | Yes |
| 711      | 2-62/P2B     | AGASTAT 2412PC | 480V       | 2B52-37B         | 2B-03         | 2B52-37B                   | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally open   12.50)  ANSI C37.98   | Yes |
| 712      | 2-63/AST3-XA | W Nbfd66S      | RP         |                  | 2C-151-155    | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98           | Yes |
| 713      | 2-63/AST3-XB | W Nbfd66S      | RP         |                  | 2C-161-165    | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98           | Yes |
| 714      | 2-63/AST4-XA | W Nbfd66S      | RP         |                  | 2C-151-155    | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98           | Yes |
| 715      | 2-63/AST4-XB | W Nbfd66S      | RP         |                  | 2C-161-165    | 2C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98           | Yes |
| 716      | 2-63/AST5-XA | W Nbfd66S      | RP         |                  | 2C-151-155    | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98           | Yes |
| 717      | 2-63/AST5-XB | W Nbfd66S      | RP         |                  | 2C-161-165    | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98           | Yes |
| 718      | 2-71A/BAT    | W Bfd44S       | ESF        |                  | 2C-156-158    | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd  Non-operate, normally closed   9.00)  Modified Relay GERS    | Yes |
| 719      | 2-71B/BAT    | W Bfd44S       | ESF        |                  | 2C-166-167    | 2C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd  Non-operate, normally closed   9.00)  Modified Relay GERS    | Yes |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM       | SUB-SYSTEM | RELAY CABINET ID | LOCATION      | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS  |     |
|----------|------------|--------------|------------|------------------|---------------|----------------------------|------------------------|--------------------------------|--|---|-----|
| 720      | 2-86/A05   | W WL         | 4160V      | 2A-05            | 2A-05         | 2A-05                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse WL (DC) Non-operate, normally open   10.00)   Modified Relay GERS | Yes |
| 721      | 2-86/A06   | W WL         | 4160V      | 2A-06            | 2A-06         | 2A-06                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse WL (DC) Non-operate, normally open   10.00)   Modified Relay GERS | Yes |
| 722      | 2-86/B03   | W WL         | 480V       | 2B-03            | C-01-1(2)C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse WL (DC) Non-operate, normally open   10.00)   Modified Relay GERS | Yes |
| 723      | 2-86/B04   | W WL         | 480V       | 2B-04            | C-01-1(2)C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse WL (DC) Non-operate, normally open   10.00)   Modified Relay GERS | Yes |
| 724      | 2-86X/A05  | W SG (DE NO) | 4160V      | 2A-05            | 2A-05         | 2A-05                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (SG (DC voltage) Non-operate, normally open   9.00)   Modified Relay GERS        | Yes |
| 725      | 2-86X/A06  | W SG (DE NO) | 4160V      | 2A-06            | 2A-06         | 2A-06                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (SG (DC voltage) Non-operate, normally open   9.00)   Modified Relay GERS        | Yes |
| 726      | 2-86X/B03  | W NBDF65NR   | 480V       | 2B-03            | 2B-03         | 2B-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD Non-operate, normally closed   5.00)   ANSI C37.98            | Yes |
| 727      | 2-86X/B04  | W NBDF65NR   | 480V       | 2B-04            | 2B-04         | 2B-04                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD Non-operate, normally closed   5.00)   ANSI C37.98            | Yes |
| 728      | 2-87A/A05  | W CA-16      | 4160V      | 2A-05            | 2A-05         | 2A-05                      | SS                     | LRR                            |  | Unknown capacity  | No  |
| 729      | 2-87A/A06  | W CA-16      | 4160V      | 2A-06            | 2A-06         | 2A-06                      | SS                     | LRR                            |  | Unknown capacity  | No  |
| 730      | 2-87B/A05  | W CA-16      | 4160V      | 2A-05            | 2A-05         | 2A-05                      | SS                     | LRR                            |  | Unknown capacity  | No  |
| 731      | 2-87B/A06  | W CA-16      | 4160V      | 2A-06            | 2A-06         | 2A-06                      | SS                     | LRR                            |  | Unknown capacity  | No  |
| 732      | 2-87C/A05  | W CA-16      | 4160V      | 2A-05            | 2A-05         | 2A-05                      | SS                     | LRR                            |  | Unknown capacity  | No  |
| 733      | 2-87C/A06  | W CA-16      | 4160V      | 2A-06            | 2A-06         | 2A-06                      | SS                     | LRR                            |  | Unknown capacity  | No  |
| 734      | 27-13213L  | W BF22F      | 480V       | 1B52-3213L       | 1B-32         | 1B-32                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98              | Yes |
| 735      | 27-24212M  | W BF22F      | 480V       | 2B52-4212M       | 2B-42         | 2B-42                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98              | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 736 | 2A52-06-XA | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 737 | 2A52-06-XB | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 738 | 2A52-12-XA | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 739 | 2A52-12-XB | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd)   Non-operate, normally closed   5.00   ANSI C37.98        | Yes    |
| 740 | 2A52-68    |            | SI     | 2P-15B-M   | 2A-06            | 2A52-68  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box                         |   | Yes    |
| 741 | 2A52-74    |            | SI     | 2P-15A-M   | 2A-05            | 2A52-74  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box                         |   | Yes    |
| 742 | 2AFW-12X   | W Bfd22S   | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd)   Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 743 | 2AFW-22X   | W Bfd22S   | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd)   Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 744 | 2B42-3210F | CONTACTOR  | SW     | 2SW-2907-M | 2B-32            | 2B32-10F | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1)   Non-operate, normally open   4.50   Main Contactors                  | Yes    |
| 745 | 2B42-3210J | CONTACTOR  | CV     | 2CV-112B-M | 2B-32            | 2B32-10J | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1)   Non-operate, normally open   4.50   Main Contactors                  | Yes    |
| 746 | 2B42-3210M | CONTACTOR  | FO     | FO-3930-M  | 2B-32            | 2B32-10M | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1)   Non-operate, normally open   4.50   Main Contactors                  | Yes    |
| 747 | 2B42-321F  | CONTACTOR  | SI     | 2SI-852A-M | 2B-32            | 2B32-1F  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1)   Non-operate, normally open   4.50   Main Contactors                  | Yes    |
| 748 | 2B42-321J  | CONTACTOR  | SI     | 2SI-866A-M | 2B-32            | 2B32-1J  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1)   Non-operate, normally open   4.50   Main Contactors                  | Yes    |
| 749 | 2B42-321M  | CONTACTOR  | SI     | 2SI-860A-M | 2B-32            | 2B32-1M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1)   Non-operate, normally open   4.50   Main Contactors                  | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS   |     |
|----------|------------|-----------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|--|--|-----|
| 750      | 2B42-322C  | CONTACTOR | SI         | 2SI-896A-M       | 2B-32    | 2B32-2C                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 751      | 2B42-322F  | CONTACTOR | SI         | 2SI-878D-M       | 2B-32    | 2B32-2F                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 752      | 2B42-322J  | CONTACTOR | SI         | 2SI-878A-M       | 2B-32    | 2B32-2J                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 753      | 2B42-322M  | CONTACTOR | SI         | 2SI-860C-M       | 2B-32    | 2B32-2M                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 754      | 2B42-323C  | CONTACTOR | SI         | 2SI-851A-M       | 2B-32    | 2B32-3C                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 755      | 2B42-323M  | CONTACTOR | SI         | 2SI-871A-M       | 2B-32    | 2B32-3M                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 756      | 2B42-324C  | CONTACTOR | SI         | 2SI-825A-M       | 2B-32    | 2B32-4C                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 757      | 2B42-325F  | CONTACTOR | SI         | 2SI-826C-M       | 2B-32    | 2B32-5F                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 758      | 2B42-326C  | CONTACTOR | CC         | 2CC-754A-M       | 2B-32    | 2B32-6C                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 759      | 2B42-326F  | CONTACTOR | CC         | 2CC-759A-M       | 2B-32    | 2B32-6F                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 760      | 2B42-326J  | CONTACTOR | CC         | 2CC-754B-M       | 2B-32    | 2B32-6J                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 761      | 2B42-326M  | CONTACTOR | CC         | 2CC-759B-M       | 2B-32    | 2B32-6M                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 762      | 2B42-327M  | CONTACTOR | CC         | 2CC-815-M        | 2B-32    | 2B32-7M                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |
| 763      | 2B42-328C  | CONTACTOR | AF         | AF-4022-M        | 2B-32    | 2B32-8C                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|------------|------------|--------|------------|------------------|------------|----------------------------|------------------------|--|--|--------|
| 764 | 2B42-329H  | CONTACTOR  | VNDG   | W-12B-M    | 2B-32            | 2B32-9H    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 765 | 2B42-391   | CONTACTOR  | 125VDC | D-09       | 2B42-391         | 2B39-1     | SS                         | LRR                    | Level 4: Current Standards/Licensing Criteria      |  | Yes    |
| 766 | 2B42-394   | CONTACTOR  | 125VDC | D-107      | 2B42-394         | 2B39-4     | SS                         | LRR                    | Level 4: Current Standards/Licensing Criteria      |  | Yes    |
| 767 | 2B42-4210C | CONTACTOR  | SW     | 2SW-2908-M | 2B-42            | 2B42-10C   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 768 | 2B42-4210F | CONTACTOR  | SW     | SW-2817-M  | 2B-42            | 2B42-10F   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 769 | 2B42-4210J | CONTACTOR  | SW     | SW-2869-M  | 2B-42            | 2B42-10J   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 770 | 2B42-4210M | CONTACTOR  | SW     | SW-2890-M  | 2B-42            | 2B42-10M   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 771 | 2B42-4212B | CONTACTOR  | 125VDC | D-109      | 2B42-4212B       | 2B42-4212B | SS                         | LRR                    | Level 4: Current Standards/Licensing Criteria      |  | Yes    |
| 772 | 2B42-4212G | CONTACTOR  | SW     | 2SW-2880-M | 2B-42            | 2B42-12G   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 773 | 2B42-4212M | CONTACTOR  | 480V   | 2B52-4212M | 2B-42            | 2B42-12M   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Operate, normally closed   4.50)   Main Contactors   | Yes    |
| 774 | 2B42-421F  | CONTACTOR  | SI     | 2SI-852B-M | 2B-42            | 2B42-1F    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 775 | 2B42-421J  | CONTACTOR  | SI     | 2SI-866B-M | 2B-42            | 2B42-1J    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 776 | 2B42-421M  | CONTACTOR  | SI     | 2SI-860B-M | 2B-42            | 2B42-1M    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 777 | 2B42-422C  | CONTACTOR  | SI     | 2SI-896B-M | 2B-42            | 2B42-2C    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 778 | 2B42-422F   | CONTACTOR  | SI     | 2SI-878C-M | 2B-42            | 2B42-2F  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 779 | 2B42-422J   | CONTACTOR  | SI     | 2SI-878B-M | 2B-42            | 2B42-2J  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 780 | 2B42-422M   | CONTACTOR  | SI     | 2SI-860D-M | 2B-42            | 2B42-2M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 781 | 2B42-423C   | CONTACTOR  | SI     | 2SI-851B-M | 2B-42            | 2B42-3C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 782 | 2B42-423M   | CONTACTOR  | SI     | 2SI-871B-M | 2B-42            | 2B42-3M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 783 | 2B42-424C   | CONTACTOR  | SI     | 2SI-825B-M | 2B-42            | 2B42-4C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 784 | 2B42-425J   | CONTACTOR  | SI     | 2SI-826B-M | 2B-42            | 2B42-5J  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 785 | 2B42-426C   | CONTACTOR  | CC     | 2CC-719-M  | 2B-42            | 2B42-6C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 786 | 2B42-427M   | CONTACTOR  | AF     | 2AF-4006-M | 2B-42            | 2B42-7M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 787 | 2B42-426C   | CONTACTOR  | AF     | AF-4016-M  | 2B-42            | 2B42-8C  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 788 | 2B42-428F   | CONTACTOR  | AF     | AF-4020-M  | 2B-42            | 2B42-8F  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 789 | 2B42-429M   | CONTACTOR  | VNDG   | W-12D-M    | 2B-42            | 2B42-9M  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |
| 790 | 2B42-491    | CONTACTOR  | 125VDC | D-08       | 2B42-491         | 2B49-1   | SS                         | LRR                    | Level 4: Current Standards/Licensing Criteria      |  | Yes    |
| 791 | 2B42/S-2019 | CONTACTOR  | MS     | 2MS-2019-M | 2SMS-2019        | 2S-2019  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)   Main Contactors | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 792 | 2B42/S-2020 | CONTACTOR  | MS     | 2MS-2020-M | 2SMS-2020        | 2S-2020  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.50 (Main1   Non-operate, normally open   4.50)    Main Contactors                  | Yes    |
| 793 | 2CI-10X     | W BFD48S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)    Modified Relay GERS | Yes    |
| 794 | 2CI-11X     | W BFD48S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)    Modified Relay GERS | Yes    |
| 795 | 2CI-12X     | W BFD48S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)    Modified Relay GERS | Yes    |
| 796 | 2CI-20X     | W BFD48S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)    Modified Relay GERS | Yes    |
| 797 | 2CI-21X     | W BFD48S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)    Modified Relay GERS | Yes    |
| 798 | 2CI-22X     | W BFD48S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)    Modified Relay GERS | Yes    |
| 799 | 2CI-A       | W MG-6     | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)    ANSI C37.98   | Yes    |
| 800 | 2CI-B       | W MG-6     | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)    ANSI C37.98   | Yes    |
| 801 | 2CIR-A      | W BFD22S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)    Modified Relay GERS | Yes    |
| 802 | 2CIR-B      | W BFD22S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)    Modified Relay GERS | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM     | SUB-SYSTEM | RELAY CABINET ID | LOCATION      | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS  |     |
|----------|------------|------------|------------|------------------|---------------|----------------------------|------------------------|--------------------------------|--|---|-----|
| 803      | 2CP-A      | W Nbfd65nr | ESF        |                  | 2C-156-158    | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.96        | Yes |
| 804      | 2CP-A-X    | W Nbfd65nr | ESF        |                  | C-01-1(2)C-04 | 2C-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.96        | Yes |
| 805      | 2CP-B      | W Nbfd65nr | ESF        |                  | 2C-166-167    | 2C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.96        | Yes |
| 806      | 2CP-B-X    | W Nbfd65nr | ESF        |                  | C-01-1(2)C-04 | 2C-03                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.96        | Yes |
| 807      | 2CS-10X    | W Bfd64s   | ESF        |                  | 2C-156-158    | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes |
| 808      | 2CS-20X    | W Bfd64s   | ESF        |                  | 2C-166-167    | 2C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes |
| 809      | 2CS-A      | W MG-6     | ESF        |                  | 2C-156-158    | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00     ANSI C37.98   | Yes |
| 810      | 2CS-B      | W MG-6     | ESF        |                  | 2C-166-167    | 2C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00     ANSI C37.98   | Yes |
| 811      | 2F-10X     | W Bfd33s   | ESF        |                  | 2C-156-158    | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes |
| 812      | 2F-20X     | W Bfd33s   | ESF        |                  | 2C-166-167    | 2C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes |
| 813      | 2F-30X     | W Bfd33s   | ESF        |                  | 2C-156-158    | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes |
| 814      | 2F-40X     | W Bfd33s   | ESF        |                  | 2C-166-167    | 2C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM  | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS  |     |
|----------|------------|---------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|---|-----|
| B15      | 2FA-1      | W MG-6  | ESF        |                  | 2C-156-158 | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| B16      | 2FA-2      | W MG-6  | ESF        |                  | 2C-156-158 | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| B17      | 2FB-1      | W MG-6  | ESF        |                  | 2C-166-167 | 2C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| B18      | 2FB-2      | W MG-6  | ESF        |                  | 2C-166-167 | 2C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC) Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| B19      | 2FC-411-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B20      | 2FC-411-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B21      | 2FC-412-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B22      | 2FC-412-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B23      | 2FC-413-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B24      | 2FC-413-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B25      | 2FC-414-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B26      | 2FC-414-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B27      | 2FC-415-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |
| B28      | 2FC-415-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98        | Yes |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 829 | 2FC-416-XA  | W BF66F    | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 830 | 2FC-416-XB  | W BF66F    | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 831 | 2FC-464A-XA | W BF44F    | ESF    |            | 2C-158-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 832 | 2FC-464A-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 833 | 2FC-464B-XA | W BF44F    | ESF    |            | 2C-158-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 834 | 2FC-464B-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 835 | 2FC-465A-XA | W BF44F    | ESF    |            | 2C-158-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 836 | 2FC-465A-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 837 | 2FC-465B-XA | W BF44F    | ESF    |            | 2C-158-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 838 | 2FC-465B-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 839 | 2FC-466C-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 840 | 2FC-466C-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 841 | 2FC-467B-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 842 | 2FC-467B-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 843 | 2FC-474A-XA | W BF44F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 844 | 2FC-474A-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 845 | 2FC-474B-XA | W BF44F    | ESF    |            | 2C-156-158       | 2C-158   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 846 | 2FC-474B-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 847 | 2FC-475A-XA | W BF44F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 848 | 2FC-475A-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 849 | 2FC-475B-XA | W BF44F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 850 | 2FC-475B-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 851 | 2FC-476C-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 852 | 2FC-476C-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 853 | 2FC-477B-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 854 | 2FC-477B-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 855 | 2IRB-1A     | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 856 | 2IRB-1B     | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|-------------|-----------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|--------|
| 857      | 2IRB-2A     | W Nbfd66S | RP         |                  | 2C-151-155 | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 858      | 2IRB-2B     | W Nbfd66S | RP         |                  | 2C-161-165 | 2C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 859      | 2LC-102C-XA | W BF42F   | ESF        |                  | 2C-156-158 | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 860      | 2LC-102C-XB | W BF42F   | ESF        |                  | 2C-166-167 | 2C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 861      | 2LC-106C-XA | W BF42F   | ESF        |                  | 2C-156-158 | 2C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 862      | 2LC-106C-XB | W BF42F   | ESF        |                  | 2C-166-167 | 2C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 863      | 2LC-112B-X  | W BF24F   | CV         | 2CV-112B-M       | 2C-156-158 | 2C-158                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 864      | 2LC-141B-X  | W BF24F   | CV         | 2CV-112B-M       | 2C-156-158 | 2C-158                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 865      | 2LC-171C-XA | W BF42F   | ESF        |                  | 2C-156-158 | 2C-156                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 866      | 2LC-171C-XB | W BF42F   | ESF        |                  | 2C-166-167 | 2C-166                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 867      | 2LC-172C-XA | W BF42F   | ESF        |                  | 2C-156-158 | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 868      | 2LC-172C-XB | W BF42F   | ESF        |                  | 2C-166-167 | 2C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 869      | 2LC-189C-XA | W BF42F   | ESF        |                  | 2C-156-158 | 2C-157                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 870      | 2LC-189C-XB | W BF42F   | ESF        |                  | 2C-166-167 | 2C-167                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 871 | 2LC-190C-XA | W BF42F    | ESF    |            | 2C-156-15B       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 872 | 2LC-190C-XB | W BF42F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 873 | 2LC-426A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 874 | 2LC-426A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 875 | 2LC-426B-XA | W BF46F    | ESF    |            | 2C-156-15B       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 876 | 2LC-426B-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 877 | 2LC-427A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 878 | 2LC-427A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 879 | 2LC-427C-XA | W BF46F    | ESF    |            | 2C-156-15B       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 880 | 2LC-427C-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 881 | 2LC-428A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 882 | 2LC-428A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 883 | 2LC-428E-XA | W BF46F    | ESF    |            | 2C-156-15B       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 884 | 2LC-428E-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 885 | 2LC-461A-XA | W BF44F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 886 | 2LC-461A-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 887 | 2LC-461B-XA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 888 | 2LC-461B-XA | W BF57F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 889 | 2LC-461B-XB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 890 | 2LC-461B-XB | W BF57F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 891 | 2LC-461B-YA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 892 | 2LC-461B-YB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 893 | 2LC-462A-XA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 894 | 2LC-462A-XA | W BF57F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 895 | 2LC-462A-XB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 896 | 2LC-462A-XB | W BF57F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 897 | 2LC-462A-YA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 898 | 2LC-462A-YB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 899 | 2LC-462B-XA | W BF55F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 900 | 2LC-462B-XB | W BF55F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 901 | 2LC-462C-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 902 | 2LC-462C-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 903 | 2LC-463C-XA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 904 | 2LC-463C-XA | W BF57F    | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 905 | 2LC-463C-XB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 906 | 2LC-463C-XB | W BF57F    | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 907 | 2LC-463C-YA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 908 | 2LC-463C-YB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 909 | 2LC-463D-XA | W BF55F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 910 | 2LC-463D-XB | W BF55F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 911 | 2LC-463E-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |
| 912 | 2LC-463E-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00    ANSI C37.9B | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 913 | 2LC-471A-XA | W BF44F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 914 | 2LC-471A-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 915 | 2LC-471B-XA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 916 | 2LC-471B-XA | W BF57F    | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 917 | 2LC-471B-XB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 918 | 2LC-471B-XB | W BF57F    | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 919 | 2LC-471B-YA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 920 | 2LC-471B-YB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 921 | 2LC-472A-XA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 922 | 2LC-472A-XA | W BF57F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 923 | 2LC-472A-XB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 924 | 2LC-472A-XB | W BF57F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 925 | 2LC-472A-YA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |
| 926 | 2LC-472A-YB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed [ 4.00]   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 927 | 2LC-472B-XA | W BF55F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 928 | 2LC-472B-XB | W BF55F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 929 | 2LC-472C-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 930 | 2LC-472C-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 931 | 2LC-473C-XA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 932 | 2LC-473C-XA | W BF57F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 933 | 2LC-473C-XB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 934 | 2LC-473C-XB | W BF57F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 935 | 2LC-473C-YA | W BF57F    | AF     | AF-4022-M  | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 936 | 2LC-473C-YB | W BF57F    | AF     | AF-4020-M  | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 937 | 2LC-473D-XA | W BF55F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 938 | 2LC-473D-XB | W BF55F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 939 | 2LC-473E-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 940 | 2LC-473E-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 941 | 2LCAA      | W BFD44S   | AF     | AF-4022-M  | C-01-1(2)C-04    | 2C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 942 | 2LCAB      | W BFD44S   | AF     | AF-4020-M  | C-01-1(2)C-04    | 2C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 943 | 2LCBA      | W BFD44S   | AF     | AF-4022-M  | C-01-1(2)C-04    | 2C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 944 | 2LCBB      | W BFD44S   | AF     | AF-4020-M  | C-01-1(2)C-04    | 2C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 945 | 2MS-A1     | W BFD33S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 946 | 2MS-A2     | W BFD33S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 947 | 2MS-B1     | W BFD33S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LP                     | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 948 | 2MS-B2     | W BFD33S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 949 | 2NC-31D-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 950 | 2NC-31D-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |
| 951 | 2NC-32D-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98          | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|     | RELAY ID   | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|-----|------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 952 | 2NC-32D-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 953 | 2NC-35D-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 954 | 2NC-35D-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 955 | 2NC-35F-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 956 | 2NC-35F-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 957 | 2NC-36D-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: CERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 958 | 2NC-36D-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 959 | 2NC-36F-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 960 | 2NC-36F-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 961 | 2NC-41K-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 962 | 2NC-41K-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 963 | 2NC-41M-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 964 | 2NC-41M-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 965 | 2NC-41N-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM  | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|------------|---------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 966      | 2NC-41N-XB | W BF66F | RP         | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 967      | 2NC-41P-XA | W BF57F | RP         | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 968      | 2NC-41P-XB | W BF66F | RP         | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 969      | 2NC-41R-XA | W BF66F | RP         | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 970      | 2NC-41R-XB | W BF66F | RP         | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 971      | 2NC-41S-XA | W BF66F | RP         | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 972      | 2NC-41S-XB | W BF66F | RP         | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 973      | 2NC-42K-XA | W BF66F | RP         | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 974      | 2NC-42K-XB | W BF66F | RP         | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 975      | 2NC-42M-XA | W BF66F | RP         | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 976      | 2NC-42M-XB | W BF66F | RP         | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 977      | 2NC-42N-XA | W BF66F | RP         | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 978      | 2NC-42N-XB | W BF66F | RP         | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 979      | 2NC-42P-XA | W BF66F | RP         | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM  | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|------------|---------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 980      | 2NC-42P-XB | W BF66F | RP         | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 981      | 2NC-42R-XA | W BF66F | RP         | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 982      | 2NC-42R-XB | W BF66F | RP         | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 983      | 2NC-42S-XA | W BF66F | RP         | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 984      | 2NC-42S-XB | W BF66F | RP         | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 985      | 2NC-43K-XA | W BF66F | RP         | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 986      | 2NC-43K-XB | W BF66F | RP         | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 987      | 2NC-43M-XA | W BF66F | RP         | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 988      | 2NC-43M-XB | W BF66F | RP         | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 989      | 2NC-43N-XA | W BF66F | RP         | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 990      | 2NC-43N-XB | W BF66F | RP         | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 991      | 2NC-43P-XA | W BF66F | RP         | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 992      | 2NC-43P-XB | W BF66F | RP         | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |
| 993      | 2NC-43R-XA | W BF66F | RP         | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM  | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|------------|---------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|--------|
| 994      | 2NC-43R-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 995      | 2NC-43S-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 996      | 2NC-43S-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-163                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 997      | 2NC-44K-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 998      | 2NC-44K-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 999      | 2NC-44M-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 1000     | 2NC-44M-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 1001     | 2NC-44N-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 1002     | 2NC-44N-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 1003     | 2NC-44P-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 1004     | 2NC-44P-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 1005     | 2NC-44R-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 1006     | 2NC-44R-XB | W BF66F | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |
| 1007     | 2NC-44S-XA | W BF66F | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|------------|-----------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|--------|
| 1008     | 2NC-44S-XB | W BF66F   | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1009     | 2P07-1A    | W Nbfd84S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1010     | 2P07-1B    | W Nbfd84D | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse N3FD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1011     | 2P07-2A    | W Nbfd84S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1012     | 2P07-2B    | W Nbfd84D | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1013     | 2P07-3A    | W Nbfd66S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1014     | 2P07-3B    | W Nbfd66S | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1015     | 2P08-1A    | W Nbfd66S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1016     | 2P08-1B    | W Nbfd66S | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1017     | 2P08-2A    | W Nbfd66S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1018     | 2P08-2B    | W Nbfd66S | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1019     | 2P09-1A    | W Nbfd66S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1020     | 2P09-1B    | W Nbfd66S | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1021     | 2P09-2A    | W Nbfd66S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|------|----------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1022 | 2P09-2B  | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1023 | 2P10-1A  | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1024 | 2P10-1B  | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1025 | 2P10-2A  | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1026 | 2P10-2B  | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |
| 1027 | 2P32A-XA | W BF62F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1028 | 2P32A-XB | W BF62F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1029 | 2P32B-XA | W BF62F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1030 | 2P32B-XB | W BF62F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1031 | 2P32C-XA | W BF62F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1032 | 2P32C-XB | W BF62F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1033 | 2P32D-XA | W BF62F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1034 | 2P32D-XB | W BF62F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |
| 1035 | 2P32E-XA | W BF62F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98   | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1036 | 2P32E-XB    | W BF62F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1037 | 2P32F-XA    | W BF62F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1038 | 2P32F-XB    | W BF62F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1039 | 2PC-428B-XA | W BF53F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1040 | 2PC-428B-XB | W BF53F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1041 | 2PC-429A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1042 | 2PC-429A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1043 | 2PC-429C-XA | W BF46F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1044 | 2PC-429C-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1045 | 2PC-429E-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1046 | 2PC-429E-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1047 | 2PC-430A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1048 | 2PC-430A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1049 | 2PC-430E-XA | W BF46F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1050 | 2PC-430E-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1051 | 2PC-430F-XA | W BF66F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1052 | 2PC-430F-XB | W BF66F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1053 | 2PC-430H-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1054 | 2PC-430H-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1055 | 2PC-431A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1056 | 2PC-431A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1057 | 2PC-431G-XA | W BF46F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1058 | 2PC-431G-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1059 | 2PC-431I-XA | W BF66F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1060 | 2PC-431I-XB | W BF66F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1061 | 2PC-431J-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1062 | 2PC-431J-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1063 | 2PC-449A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1064 | 2PC-449A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1065 | 2PC-468A-XA | W BF46F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1066 | 2PC-468A-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1067 | 2PC-469A-XA | W BF48F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1068 | 2PC-469A-XB | W BF48F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1069 | 2PC-478A-XA | W BF46F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1070 | 2PC-478A-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1071 | 2PC-479A-XA | W BF48F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1072 | 2PC-479A-XB | W BF48F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1073 | 2PC-482A-XA | W BF48F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1074 | 2PC-482A-XB | W BF48F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1075 | 2PC-483A-XA | W BF48F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1076 | 2PC-483A-XB | W BF48F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98    | Yes    |
| 1077 | 2PC-484A-XA | W NBF66S   | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBF66) Non-operate, normally closed   5.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1078 | 2PC-484A-XB | W Nbfd86S  | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98        | Yes    |
| 1079 | 2PC-485A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1080 | 2PC-485A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1081 | 2PC-486A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1082 | 2PC-486A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1083 | 2PC-628-XA  | W BF22F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1084 | 2PC-629-XB  | W BF22F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1085 | 2PC-639-X1  | W BFD24S   | CC     | 2P-11A-M   | 2C-156-158       | 2C-158   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1086 | 2PC-639-X2  | W BFD11S   | CC     | 2P-11B-M   | C-01-1(2)C-04    | 2C-03    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1087 | 2PC-945A-XA | W BF46F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1088 | 2PC-945A-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1089 | 2PC-945B-XA | W BF44F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1090 | 2PC-945B-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1091 | 2PC-946A-XA | W BF46F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1092 | 2PC-946A-XB | W BF46F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1093 | 2PC-946B-XA | W BF44F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1094 | 2PC-946B-XB | W BF44F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1095 | 2PC-947A-XA | W BF48F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1096 | 2PC-947A-XB | W BF48F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1097 | 2PC-947B-XA | W BF55F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1098 | 2PC-947B-XB | W BF55F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1099 | 2PC-948A-XA | W BF48F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1100 | 2PC-948A-XB | W BF48F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1101 | 2PC-948B-XA | W BF55F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1102 | 2PC-948B-XB | W BF55F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1103 | 2PC-949A-XA | W BF48F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |
| 1104 | 2PC-949A-XB | W BF48F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00     ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM                        | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS   |     |
|----------|--------------|-------------------------------|------------|------------------|------------|----------------------------|------------------------|--|--|--|-----|
| 1105     | 2PC-949B-XA  | W BF55F                       | ESF        | 2C-156-158       | 2C-157     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98   | Yes  |     |
| 1106     | 2PC-949B-XB  | W BF55F                       | ESF        | 2C-166-167       | 2C-167     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98   | Yes  |     |
| 1107     | 2PC-950A-XA  | W BF48F                       | ESF        | 2C-156-158       | 2C-157     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98   | Yes  |     |
| 1108     | 2PC-950A-XB  | W BF48F                       | ESF        | 2C-166-167       | 2C-167     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98   | Yes  |     |
| 1109     | 2PC-950B-XA  | W BF55F                       | ESF        | 2C-156-158       | 2C-157     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98   | Yes  |     |
| 1110     | 2PC-950B-XB  | W BF55F                       | ESF        | 2C-166-167       | 2C-167     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF  Non-operate, normally closed   4.00)  ANSI C37.98   | Yes  |     |
| 1111     | 2PIC-639     | BARTON Model 288A             | CC         | 2P-11A-M         | 2PIC-639   | 2PIC-639                   | SS24                   | LRR  | Level 2: GERS/TRS v. Conservative FRS * Amp Factor                         | 3.00 (Barton Models 288 & 289) Operate, normally open   3.00)  ANSI C37.98 | Yes |
| 1112     | 2PRB-1A      | W Nbfd66S                     | RP         | 2C-151-155       | 2C-154     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98 | Yes  |     |
| 1113     | 2PRB-1B      | W Nbfd66S                     | RP         | 2C-161-165       | 2C-164     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98 | Yes  |     |
| 1114     | 2PRB-2A      | W Nbfd66S                     | RP         | 2C-151-155       | 2C-154     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98 | Yes  |     |
| 1115     | 2PRB-2B      | W Nbfd66S                     | RP         | 2C-161-165       | 2C-164     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd  Non-operate, normally closed   5.00)  ANSI C37.98 | Yes  |     |
| 1116     | 2PY-4044-LLA | FOXBORO NO152CK - N-2A0-L2C-R | MS         | 2MS-2019-M       | 2C-170-173 | 2C-171                     | SS                     | LRR  | Level 4: Current Standards/Licensing Criteria                              | Yes  |     |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM                              | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                              | STATUS   |     |
|----------|--------------|-------------------------------------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|--|-----|
| 1117     | 2PY-4044-LLB | FOXBORO<br>NO152CK -<br>N-2A0-L2C-R | MS         | 2MS-<br>2020-M   | 2C-170-173 | 2C-171                     | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria            | Yes  |     |
| 1118     | 2RC-1A       | W NBFD42S                           | RP         |                  | 2C-151-155 | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1119     | 2RC-1B       | W NBFD42S                           | RP         |                  | 2C-161-165 | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1120     | 2RC-2A       | W NBFD42S                           | RP         |                  | 2C-151-155 | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1121     | 2RC-2B       | W NBFD42S                           | RP         |                  | 2C-161-165 | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1122     | 2RC-3A       | W NBFD42S                           | RP         |                  | 2C-151-155 | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1123     | 2RC-3B       | W NBFD42S                           | RP         |                  | 2C-161-165 | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1124     | 2RC-4A       | W NBFD42S                           | RP         |                  | 2C-151-155 | 2C-153                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1125     | 2RC-4B       | W NBFD42S                           | RP         |                  | 2C-161-165 | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1126     | 2RCP-A-XA    | W NBFD66S                           | RP         |                  | 2C-151-155 | 2C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1127     | 2RCP-A-XB    | W NBFD66S                           | RP         |                  | 2C-161-165 | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1128     | 2RCP-B-XA    | W NBFD66S                           | RP         |                  | 2C-151-155 | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |
| 1129     | 2RCP-B-XB    | W NBFD66S                           | RP         |                  | 2C-161-165 | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v.<br>Conservative FRS * Amp<br>Factor | 5.00 (Westinghouse NBFD  <br>Non-operate, normally closed<br>  5.00)   ANSI C37.98 | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM    | SUB-SYSTEM | RELAY CABINET ID | LOCATION   | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS   |     |
|----------|------------|-----------|------------|------------------|------------|----------------------------|------------------------|--------------------------------|--|--|-----|
| 1130     | 2RT-10A    | W NBFD31S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1131     | 2RT-10B    | W NBFD31S | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1132     | 2RT-11A    | W NBFD31S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1133     | 2RT-11B    | W NBFD31S | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1134     | 2RT-12A    | W NBFD31S | RP         |                  | 2C-151-155 | 2C-154                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1135     | 2RT-12B    | W NBFD31S | RP         |                  | 2C-161-165 | 2C-164                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1136     | 2RT-1A     | W NBFD31S | RP         |                  | 2C-151-155 | 2C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.93 | Yes |
| 1137     | 2RT-1B     | W NBFD31S | RP         |                  | 2C-161-165 | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1138     | 2RT-2A     | W NBFD31S | RP         |                  | 2C-151-155 | 2C-151                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1139     | 2RT-2B     | W NBFD31S | RP         |                  | 2C-161-165 | 2C-161                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1140     | 2RT-3A     | W NBFD31S | RP         |                  | 2C-151-155 | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1141     | 2RT-3B     | W NBFD31S | RP         |                  | 2C-161-165 | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1142     | 2RT-4A     | W NBFD31S | RP         |                  | 2C-151-155 | 2C-152                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |
| 1143     | 2RT-4B     | W NBFD31S | RP         |                  | 2C-161-165 | 2C-162                     | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98 | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|----------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1144 | 2RT-5A   | W Nbfd31S  | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1145 | 2RT-5B   | W Nbfd31S  | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1146 | 2RT-6A   | W Nbfd31S  | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1147 | 2RT-6B   | W Nbfd31S  | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1148 | 2RT-7A   | W Nbfd31S  | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1149 | 2RT-7B   | W Nbfd31S  | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1150 | 2RT-8A   | W Nbfd31S  | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1151 | 2RT-8B   | W Nbfd31S  | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1152 | 2RT-9A   | W Nbfd31S  | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1153 | 2RT-9B   | W Nbfd31S  | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.9B        | Yes    |
| 1154 | 2SI-10X  | W Bfd84S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1155 | 2SI-10X1 | ASEA RXMA1 | 125VDC | D-07       | 2C-20            | 2C-20    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (ASEA RXMA1   Operate, normally closed   10.00)   ANSI C37.9B                 | Yes    |
| 1156 | 2SI-11X  | W Bfd84S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1157 | 2SI-11X-AXA | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 1158 | 2SI-11X-AXB | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 1159 | 2SI-12X     | W Bfd84S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |
| 1160 | 2SI-13X     | W Bfd84S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |
| 1161 | 2SI-14X     | W Bfd84S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |
| 1162 | 2SI-20X     | W Bfd84S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FPS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |
| 1163 | 2SI-20X1    | ASEA RXMA1 | 125VDC | D-08       | 2C-20            | 2C-20    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (ASEA RXMA1) Operate, normally closed   10.00     ANSI C37.98                 | Yes    |
| 1164 | 2SI-21X     | W Bfd84S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |
| 1165 | 2SI-21X-BXA | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 1166 | 2SI-21X-BXB | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd) Non-operate, normally closed   5.00     ANSI C37.98        | Yes    |
| 1167 | 2SI-22X     | W Bfd84S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd) Non-operate, normally closed   9.00     Modified Relay GERS | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|----------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1168 | 2SI-23X  | W BFD84S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes    |
| 1169 | 2SI-24X  | W BFD84S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes    |
| 1170 | 2SIA-A   | W MG-6     | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1171 | 2SIA-B   | W MG-6     | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1172 | 2SIB-A   | W BFD75S   | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes    |
| 1173 | 2SIB-B   | W BFD75S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS | Yes    |
| 1174 | 2SIM-A   | W MG-6     | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1175 | 2SIM-B   | W MG-6     | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1176 | 2SIR-A   | W NBFD65NR | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD  Non-operate, normally closed   5.00)  ANSI C37.98        | Yes    |
| 1177 | 2SIR-B   | W NBFD65NR | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD  Non-operate, normally closed   5.00)  ANSI C37.98        | Yes    |
| 1178 | 2SRB-1A  | W NBFD66S  | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD  Non-operate, normally closed   5.00)  ANSI C37.98        | Yes    |
| 1179 | 2SRB-1B  | W NBFD66S  | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD  Non-operate, normally closed   5.00)  ANSI C37.98        | Yes    |



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ESSENTIAL RELAY LIST

|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1180 | 2SRB-2A     | W Nbfd66S  | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98        | Yes    |
| 1181 | 2SRB-2B     | W Nbfd66S  | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse Nbfd   Non-operate, normally closed   5.00)   ANSI C37.98        | Yes    |
| 1182 | 2SW-A       | W Bfd22S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1183 | 2SW-AX      | W Bfd42S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1184 | 2SW-B       | W Bfd22S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1185 | 2SW-BX      | W Bfd42S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse Bfd   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1186 | 2TC-401D-XA | W Bf66F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse Bf   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1187 | 2TC-401D-XB | W Bf66F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse Bf   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1188 | 2TC-402D-XA | W Bf66F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse Bf   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1189 | 2TC-402D-XB | W Bf66F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse Bf   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1190 | 2TC-403D-XA | W Bf66F    | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse Bf   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1191 | 2TC-403D-XB | W Bf66F    | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse Bf   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |



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|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1192 | 2TC-404D-XA | W BF66F    | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1193 | 2TC-404D-XB | W BF66F    | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1194 | 2TC-405A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1195 | 2TC-405A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1196 | 2TC-405C-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-151   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1197 | 2TC-405C-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-161   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1198 | 2TC-406A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1199 | 2TC-406A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1200 | 2TC-406C-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-152   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1201 | 2TC-406C-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-162   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1202 | 2TC-407A-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1203 | 2TC-407A-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1204 | 2TC-407C-XA | W BF66F    | RP     |            | 2C-151-155       | 2C-153   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |
| 1205 | 2TC-407C-XB | W BF66F    | RP     |            | 2C-161-165       | 2C-163   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF) Non-operate, normally closed   4.00   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|-------------|----------------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1206     | 2TC-40BA-XA | W BF66F        | RP         | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98              | Yes    |
| 1207     | 2TC-40BA-XB | W BF66F        | RP         | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98              | Yes    |
| 1208     | 2TC-408C-XA | W BF66F        | RP         | 2C-151-155       | 2C-154   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98              | Yes    |
| 1209     | 2TC-408C-XB | W BF66F        | RP         | 2C-161-165       | 2C-164   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF Non-operate, normally closed   4.00)   ANSI C37.98              | Yes    |
| 1210     | 2TDR-10     | AGASTAT 2412PD | ESF        | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 1211     | 2TDR-11     | AGASTAT 2412PD | ESF        | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 1212     | 2TDR-12     | AGASTAT 2412PE | ESF        | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 1213     | 2TDR-13     | AGASTAT 2412PD | ESF        | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 1214     | 2TDR-14     | AGASTAT 2412PD | ESF        | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 1215     | 2TDR-15     | AGASTAT 2412PE | ESF        | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 1216     | 2TDR-16     | AGASTAT 2412PE | ESF        | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |
| 1217     | 2TDR-17     | AGASTAT 2412PE | ESF        | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally closed   12.50)   ANSI C37.98 | Yes    |



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|----------|------------------------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
|          |                              |        |            |                  |          |                            |                        |  | 12.50  ANSI C37.98   |        |
| 1218     | 2TDR-18<br>AGASTAT<br>2412PD | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1219     | 2TDR-19<br>AGASTAT<br>2412PE | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1220     | 2TDR-20<br>AGASTAT<br>2412PD | ESF    |            | 2C-166-137       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1221     | 2TDR-21<br>AGASTAT<br>2412PD | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1222     | 2TDR-22<br>AGASTAT<br>2412PE | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1223     | 2TDR-23<br>AGASTAT<br>2412PD | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1224     | 2TDR-24<br>AGASTAT<br>2412PD | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1225     | 2TDR-25<br>AGASTAT<br>2412PE | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1226     | 2TDR-26<br>AGASTAT<br>2412PE | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1227     | 2TDR-27<br>AGASTAT<br>2412PE | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |



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ESSENTIAL RELAY LIST

|      | RELAY ID  | RELAY MAKE     | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|------|-----------|----------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1228 | 2TDR-28   | AGASTAT 2412PD | ESF    |            | 2C-156-158       | 2C-156   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1229 | 2TDR-29   | AGASTAT 2412PE | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally closed   12.50)  ANSI C37.98 | Yes    |
| 1230 | 2TDRA/A05 | AGASTAT 7014   | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1231 | 2TDRA/A06 | AGASTAT 7014   | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1232 | 2TDRB/A05 | AGASTAT 7014   | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1233 | 2TDRB/A06 | AGASTAT 7014   | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1234 | 2TDRC/A05 | AGASTAT 7014   | UV     | 2A-05      | 2A-05            | 2A-05    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1235 | 2TDRC/A06 | AGASTAT 7014   | UV     | 2A-06      | 2A-06            | 2A-06    | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally open   10.00)  ANSI C37.98   | Yes    |
| 1236 | 2V-10X    | W BFD24S       | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate normally closed   9.00)  Modified Relay GERS     | Yes    |
| 1237 | 2V-20X    | W BFD24S       | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD  Non-operate, normally closed   9.00)  Modified Relay GERS    | Yes    |
| 1238 | 2VA       | W MG-6         | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)  ANSI C37.98      | Yes    |



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ESSENTIAL RELAY LIST

|      | RELAY ID    | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|-------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1239 | 2VB         | W MG-6     | ESF    |            | 2C-166-167       | 2C-166   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98   | Yes    |
| 1240 | 2XAT1       | W BFD11S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1241 | 2XAT2       | W BFD11S   | ESF    |            | 2C-156-158       | 2C-157   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1242 | 2XBT1       | W BFD11S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1243 | 2XBT2       | W BFD11S   | ESF    |            | 2C-166-167       | 2C-167   | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1244 | 33X/1-V870A | W BF82F    | SI     | 1SI-871A-M | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1245 | 33X/1-V870B | W BF82F    | SI     | 1SI-871B-M | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1246 | 33X/1-V897A | W BFD62S   | SI     | 1SI-851A-M | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1247 | 33X/1-V897B | W BFD62S   | SI     | 1SI-851A-M | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD   Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1248 | 33X/2-V870A | W BF82F    | SI     | 2SI-871A-M | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |
| 1249 | 33X/2-V870B | W BF82F    | SI     | 2SI-871B-M | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Westinghouse BF   Non-operate, normally closed   4.00)   ANSI C37.98          | Yes    |





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ESSENTIAL RELAY LIST

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|----------|-------------|--------------|------------|------------------|---------------|----------------------------|------------------------|--------------------------------|--|---|-----|
| 1250     | 33X/2-V897A | W BFD62S     | SI         | 2SI-851A-M       | C-01-1121C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes |
| 1251     | 33X/2-V897B | W BFD62S     | SI         | 2SI-851A-M       | C-01-1121C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes |
| 1252     | 3CR         | PB KRP11D    | 480V       | 2B52-29C         | K-3B          | C-54                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1253     | 4020X       | W NBFD65NR   | AF         | AF-4020-M        | C-01-1121C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98        | Yes |
| 1254     | 4021X       | W NBFD65NR   | AF         | AF-4021-M        | C-01-1121C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98        | Yes |
| 1255     | 4022X       | W NBFD65NR   | AF         | AF-4022-M        | C-01-1121C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98        | Yes |
| 1256     | 4023X       | W NBFD65NR   | AF         | AF-4023-M        | C-01-1121C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 5.00 (Westinghouse NBFD) Non-operate, normally closed   5.00   ANSI C37.98        | Yes |
| 1257     | 40T/G01     | SQ D TYPE EQ | DG         | G-01             | C-34          | C-34                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1258     | 40T/G02     | SQ D TYPE EQ | DG         | G-02             | C-35          | C-35                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1259     | 40V/G01     | W AV         | DG         | G-01             | C-34          | C-34                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1260     | 40V/G02     | W AV         | DG         | G-02             | C-35          | C-35                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1261     | 42X-13212H  | ASEA RXMA1   | 125VDC     | D-109            | 2C-20         | 2C-20                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (ASEA RXMA1) Operate, normally closed   10.00   ANSI C37.98                 | Yes |
| 1262     | 42X-1491    | ASEA RXMA1   | 125VDC     | D-09             | 2C-20         | 2C-20                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (ASEA RXMA1) Operate, normally closed   10.00   ANSI C37.98                 | Yes |
| 1263     | 42X-2091    | ASEA RXMA1   | 125VDC     | D-09             | 2C-20         | 2C-20                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (ASEA RXMA1) Operate, normally closed   10.00   ANSI C37.98                 | Yes |
| 1264     | 42X-24212B  | ASEA RXMA1   | 125VDC     | D-109            | 2C-20         | 2C-20                      | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (ASEA RXMA1) Operate, normally closed   10.00   ANSI C37.98                 | Yes |



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|----------|-------------|----------------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|--|--------|
| 1265     | 42Y-13212H  | SQD 8501 HO-33 | 125VDC     | D-109            | 1B-32    | 1B32-12H                   | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 1266     | 42Y-1391    | SQD 8501 HO-33 | 125VDC     | D-07             | 1B42-391 | 1B42-391                   | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 1267     | 42Y-1491    | SQD 8501 HO-33 | 125VDC     | D-09             | 1B42-491 | 1B42-491                   | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 1268     | 42Y-1494    | SQD 8501 HO-33 | 125VDC     | D-108            | 1B42-494 | 1B42-494                   | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 1269     | 42Y-2391    | SQD 8501 HO-33 | 125VDC     | D-09             | 2B42-391 | 2B42-391                   | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 1270     | 42Y-2394    | SQD 8501 HO-33 | 125VDC     | D-107            | 2B42-394 | 2B42-394                   | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 1271     | 42Y-24212B  | SQD 8501 HO-33 | 125VDC     | D-109            | 2B-42    | 2B42-12B                   | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 1272     | 42Y-2491    | SQD 8501 HO-33 | 125VDC     | D-08             | 2B42-491 | 2B42-491                   | SS                     | LRR                            | Level 4: Current Standards/Licensing Criteria  | Yes    |
| 1273     | 50G/1A52-58 | W ITH          | 4160V      | 1A52-58          | 1A-05    | 1A52-58                    | SS                     | No                             | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (Westinghouse ITH  Non-operate, normally open   3.00)   ANSI C37.98 | No     |
| 1274     | 50G/1A52-59 | W ITH          | SI         | 1P-15A-M         | 1A-05    | 1A52-59                    | SS                     | No                             | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (Westinghouse ITH  Non-operate, normally open   3.00)   ANSI C37.98 | No     |
| 1275     | 50G/1A52-64 | W ITH          | 4160V      | 1A52-64          | 1A-06    | 1A52-64                    | SS                     | No                             | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (Westinghouse ITH  Non-operate, normally open   3.00)   ANSI C37.98 | No     |
| 1276     | 50G/1A52-65 | W ITH          | SI         | 1P-15B-M         | 1A-06    | 1A52-65                    | SS                     | No                             | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (Westinghouse ITH  Non-operate, normally open   3.00)   ANSI C37.98 | No     |
| 1277     | 50G/2A52-68 | W ITH          | SI         | 2P-15B-M         | 2A-06    | 2A52-68                    | SS                     | No                             | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (Westinghouse ITH  Non-operate, normally open   3.00)   ANSI C37.98 | No     |
| 1278     | 50G/2A52-69 | W ITH          | 4160V      | 2A52-69          | 2A-06    | 2A52-69                    | SS                     | No                             | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (Westinghouse ITH  Non-operate, normally open   3.00)   ANSI C37.98 | No     |



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|----------|----------------|---------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|--|--------|
| 1279     | 50G/2A52-74    | W ITH   | SI         | 2P-15A-M         | 2A-05    | 2A52-74                    | SS                     | No                             | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (Westinghouse ITH  Non-operate, normally open   3.00)   ANSI C37.98                             | No     |
| 1280     | 50G/2A52-75    | W ITH   | 4160V      | 2A52-75          | 2A-05    | 2A52-75                    | SS                     | No                             | Level 2: GERS/TRS v. Conservative FRS * Amp; Factor<br>3.00 (Westinghouse ITH  Non-operate, normally open   3.00)   ANSI C37.98                            | No     |
| 1281     | 51/1A52-60     | W CO-5  | DG         | 1A52-60          | 1A-05    | 1A52-60                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)   ANSI C37.98                      | Yes    |
| 1282     | 51/1A52-66     | W CO-5  | DG         | 1A52-66          | 1A-06    | 1A52-66                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)   ANSI C37.98                      | Yes    |
| 1283     | 51/2A52-67     | W CO-5  | DG         | 2A52-67          | 2A-06    | 2A52-67                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)   ANSI C37.98                      | Yes    |
| 1284     | 51/2A52-73     | W CO-5  | DG         | 2A52-73          | 2A-05    | 2A52-73                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)   ANSI C37.98                      | Yes    |
| 1285     | 51/50A/1A52-58 | W CO    | 4160V      | 1A52-58          | 1A-05    | 1A52-58                    | SS                     | LRR                            | Unknown capacity   | No     |
| 1286     | 51/50A/1A52-59 | W COM 5 | SI         | 1P-15A-M         | 1A-05    | 1A52-59                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)  Non-operate, normally open   3.00)   ANSI C37.98 | Yes    |
| 1287     | 51/50A/1A52-64 | W CO    | 4160V      | 1A52-64          | 1A-06    | 1A52-64                    | SS                     | LRR                            | Unknown capacity   | No     |
| 1288     | 51/50A/1A52-65 | W COM 5 | SI         | 1P-15B-M         | 1A-06    | 1A52-65                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)  Non-operate, normally open   3.00)   ANSI C37.98 | Yes    |
| 1289     | 51/50A/2A52-68 | W COM 5 | SI         | 2P-15B-M         | 2A-06    | 2A52-68                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)  Non-operate, normally open   3.00)   ANSI C37.98 | Yes    |
| 1290     | 51/50A/2A52-69 | W CO    | 4160V      | 2A52-69          | 2A-06    | 2A52-69                    | SS                     | LRR                            | Unknown capacity   | No     |
| 1291     | 51/50A/2A52-74 | W COM 5 | SI         | 2P-15A-M         | 2A-05    | 2A52-74                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)  Non-operate, normally open   3.00)   ANSI C37.98 | Yes    |
| 1292     | 51/50A/2A52-75 | W CO    | 4160V      | 2A52-75          | 2A-05    | 2A52-75                    | SS                     | LRR                            | Unknown capacity   | No     |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID       | RELAY MAKE | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|------|----------------|------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1293 | 51/50B/1A52-58 | W CO       | 4160V  | 1A52-58    | 1A-05            | 1A52-58  | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1294 | 51/50B/1A52-59 | W COM 5    | SI     | 1P-15A-M   | 1A-05            | 1A52-59  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)) Non-operate, normally open   3.00  ANSI C37.98 | Yes    |
| 1295 | 51/50B/1A52-64 | W CO       | 4160V  | 1A52-64    | 1A-06            | 1A52-64  | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1296 | 51/50B/1A52-65 | W COM 5    | SI     | 1P-15B-M   | 1A-06            | 1A52-65  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)) Non-operate, normally open   3.00  ANSI C37.98 | Yes    |
| 1297 | 51/50B/2A52-68 | W COM 5    | SI     | 2P-15B-M   | 2A-06            | 2A52-68  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)) Non-operate, normally open   3.00  ANSI C37.98 | Yes    |
| 1298 | 51/50B/2A52-69 | W CO       | 4160V  | 2A52-69    | 2A-06            | 2A52-69  | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1299 | 51/50B/2A52-74 | W COM 5    | SI     | 2P-15A-M   | 2A-05            | 2A52-74  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)) Non-operate, normally open   3.00  ANSI C37.98 | Yes    |
| 1300 | 51/50B/2A52-75 | W CO       | 4160V  | 2A52-75    | 2A-05            | 2A52-75  | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1301 | 51/50C/1A52-58 | W CO       | 4160V  | 1A52-58    | 1A-05            | 1A52-58  | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1302 | 51/50C/1A52-59 | W COM 5    | SI     | 1P-15A-M   | 1A-05            | 1A52-59  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)) Non-operate, normally open   3.00  ANSI C37.98 | Yes    |
| 1303 | 51/50C/1A52-64 | W CO       | 4160V  | 1A52-64    | 1A-06            | 1A52-64  | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1304 | 51/50C/1A52-65 | W COM 5    | SI     | 1P-15B-M   | 1A-06            | 1A52-65  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)) Non-operate, normally open   3.00  ANSI C37.98 | Yes    |
| 1305 | 51/50C/2A52-68 | W COM 5    | SI     | 2P-15B-M   | 2A-06            | 2A52-68  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)) Non-operate, normally open   3.00  ANSI C37.98 | Yes    |
| 1306 | 51/50C/2A52-69 | W CO       | 4160V  | 2A52-69    | 2A-06            | 2A52-69  | SS                         | LRR                    |  | Unknown capacity   | No     |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID       | RELAY MAKE     | SYSTEM | SUB-SYSTEM   | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|----------------|----------------|--------|--------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1307 | 51/50C/2A52-74 | W COM 5        | SI     | 2P-15A-M     | 2A-05            | 2A52-74  | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 3.00 (COM-5 (Style # 289B355A11, WEST I.L. 41-102)  Non-operate, normally open   3.00)  ANSI C37.98 | Yes    |
| 1308 | 51/50C/2A52-75 | W CO           | 4160V  | 2A52-75      | 2A-05            | 2A52-75  | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1309 | 51C/G01        | W CO-5         | DG     | G-01         | C-34             | C-34     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)  ANSI C37.98                      | Yes    |
| 1310 | 51C/G02        | W CO-5         | DG     | G-02         | C-35             | C-35     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)  ANSI C37.98                      | Yes    |
| 1311 | 52V/G01        | SQ D TYPE EQ   | DG     | G-01         | C-34             | C-34     | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1312 | 52V/G02        | SQ D TYPE EQ   | DG     | G-02         | C-35             | C-35     | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1313 | 51A/G01        | W CO-5         | DG     | G-01         | C-34             | C-34     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)  ANSI C37.98                      | Yes    |
| 1314 | 51A/G02        | W CO-5         | DG     | G-02         | C-35             | C-35     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)  ANSI C37.98                      | Yes    |
| 1315 | 51B/G01        | W CO-5         | DG     | G-01         | C-34             | C-34     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)  ANSI C37.98                      | Yes    |
| 1316 | 51B/G02        | W CO-5         | DG     | G-02         | C-35             | C-35     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 6.00 (CO-5 (WEST I.L. 41-102)  Non-operate, normally open   6.00)  ANSI C37.98                      | Yes    |
| 1317 | 62/4042        | AGASTAT 7014PC | AF     | P-38A-M      | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally closed   10.00)  ANSI C37.98                | Yes    |
| 1318 | 62/4043        | AGASTAT 7014PC | AF     | P-38B-M      | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Agastat E7014, 7014, 2414  Non-operate, normally closed   10.00)  ANSI C37.98                | Yes    |
| 1319 | 62/VNDG-4883   | AGASTAT 2412AD | VNDG   | VNDG-4883A-S | C-32             | C-32     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412  Non-operate, normally open   12.50)  ANSI C37.98                  | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID     | RELAY MAKE     | SYSTEM | SUB-SYSTEM   | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|------|--------------|----------------|--------|--------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1320 | 62/VNDG-4884 | AGASTAT 2412AD | VNDG   | VNDG-4884A-S | C-36             | C-36     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50    ANSI C37.98 | Yes    |
| 1321 | 67P1/G01     | W CW           | DG     | G-01         | C-34             | C-34     | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1322 | 67P1/G02     | W CW           | DG     | G-02         | C-35             | C-35     | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1323 | 67P3/G01     | W CW           | DG     | G-01         | C-34             | C-34     | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1324 | 67P3/G02     | W CW           | DG     | G-02         | C-35             | C-35     | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1325 | 67RP/G01     | W CW           | DG     | G-01         | C-34             | C-34     | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1326 | 67RP/G02     | W CW           | DG     | G-02         | C-35             | C-35     | SS                         | LRR                    |  | Unknown capacity  | No     |
| 1327 | 86/1A52-58   | W MG-6         | 4160V  | 1A52-58      | 1A-05            | 1A52-58  | SS16                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1328 | 86/1A52-60   | W MG-6         | DG     | 1A52-60      | 1A-05            | 1A52-60  | SS16                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1329 | 86/1A52-64   | W MG-6         | 4160V  | 1A52-64      | 1A-06            | 1A52-64  | SS16                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1330 | 86/1A52-66   | W MG-6         | DG     | 1A52-66      | 1A-06            | 1A52-66  | SS16                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1331 | 86/1B52-10A  | W MG-6         | CC     | 1P-11A-M     | 1B-03            | 1B52-10A | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1332 | 86/1B52-12B  | W MG-6         | 480V   | 1B52-12B     | 1B-03            | 1B52-12B | SS16                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1333 | 86/1B52-13B  | W MG-6         | 480V   | 1B52-13B     | 1B-03            | 1B52-13B | SS16                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1334 | 86/1B52-20A  | W MG-6         | 480V   | 1B52-20A     | 1B-04            | 1B52-20A | SS16                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1335 | 86/1B52-21B  | W MG-6         | 480V   | 1B52-21B     | 1B-04            | 1B52-21B | SS16                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |
| 1336 | 86/1B52-23B  | W MG-6         | CC     | 1P-11B-M     | 1B-04            | 1B52-23B | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)) Non-operate, normally open   10.00    ANSI C37.98    | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS   |     |
|----------|-------------|--------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|--|--|-----|
| 1337     | 86/2A52-67  | W MG-6 | DG         | 2A52-67          | 2A-06    | 2A52-67                    | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1338     | 86/2A52-69  | W MG-6 | 4180V      | 2A52-69          | 2A-06    | 2A52-69                    | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1339     | 86/2A52-73  | W MG-6 | DG         | 2A52-73          | 2A-05    | 2A52-73                    | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1340     | 86/2A52-75  | W MG-6 | 4180V      | 2A52-75          | 2A-05    | 2A52-75                    | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1341     | 86/2B52-28A | W MG-6 | 480V       | 2B52-28A         | 2B-04    | 2B52-28A                   | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1342     | 86/2B52-28B | W MG-6 | CC         | 2P-11B-M         | 2B-04    | 2B52-28B                   | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1343     | 86/2B52-29B | W MG-6 | 480V       | 2B52-29B         | 2B-04    | 2B52-29B                   | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1344     | 86/2B52-34A | W MG-6 | CC         | 2P-11A-M         | 2B-03    | 2B52-34A                   | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1345     | 86/2B52-36B | W MG-6 | 480V       | 2B52-36B         | 2B-03    | 2B52-36B                   | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1346     | 86/2B52-37A | W MG-6 | 480V       | 2B52-37A         | 2B-03    | 2B52-37A                   | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1347     | 86/2B52-37B | W MG-6 | 480V       | 2B52-37B         | 2B-03    | 2B52-37B                   | SS16                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1348     | 86/A52-59   | W MG-6 | SI         | 1P-15A-M         | 1A-05    | 1A52-59                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1349     | 86/A52-65   | W MG-6 | SI         | 1P-15B-M         | 1A-06    | 1A52-65                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1350     | 86/A52-68   | W MG-6 | SI         | 2P-15B-M         | 2A-06    | 2A52-68                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)  Non-operate, normally open   10.00)   ANSI C37.98 | Yes |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE      | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS  |     |
|----------|-----------------|----------------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|--|---|-----|
| 1351     | 86/A52-74       | W MG-6         | SI         | 2P-15A-M         | 2A-05    | 2A52-74                    | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes |
| 1352     | AC CONT./G01    | SQ D FAL       | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1353     | AC CONT./G02    | SQ D FAL       | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1354     | AIR COMP./G01   |                | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1355     | AIR COMP./G02   |                | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1356     | ALARM CONT./G01 | SQ D FAL       | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1357     | ALARM CONT./G02 | SQ D FAL       | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1358     | ALCP/G01        | VC 38530082-01 | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1359     | ALCP/G02        | VC 38530082-01 | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1360     | AP1/G01         |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1361     | AP1/G02         |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1362     | AP2/G01         |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1363     | AP2/G02         |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1364     | CB FT/G01       | SQ D FAL       | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1365     | CB FT/G02       | SQ D FAL       | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1366     | COPS/G01        |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1367     | COPS/G02        |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1368     | CPM/G01         | SQ D FAL       | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1369     | CPM/G02         | SQ D FAL       | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |
| 1370     | CPMC/G01        | CH MODEL 6     | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |   | Yes |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE     | SYSTEM           | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS   |     |
|----------|----------------|------------------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|--|--|-----|
| 1371     | CPMC/G02       | CH MODEL 6       | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes  |     |
| 1372     | CPS/G01        |                  | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes  |     |
| 1373     | CPS/G02        |                  | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes  |     |
| 1374     | DC CONTROL/G01 | SQ D FAL         | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1375     | DC CONTROL/G02 | SQ D FAL         | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1376     | DCCP/G01       | VC 36530082-01   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1377     | DCCP/G02       | VC 36530082-01   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1378     | ECR/G01        | AGASTAT 2412     | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50   ANSI C37.98 | Yes |
| 1379     | ECR/G02        | AGASTAT 2412     | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50   ANSI C37.98 | Yes |
| 1380     | ECRA/G01       | SQ D TYPE FSD022 | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1381     | ECRA/G02       | SQ D TYPE FSD022 | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1382     | ESR1/G01       | SQ D TYPE PO     | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1383     | ESR1/G02       | SQ D TYPE PO     | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1384     | ESR2/G01       | SQ D TYPE PO     | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1385     | ESR2/G02       | SQ D TYPE PO     | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity                                   | No   |     |
| 1386     | ESTD/G01       | AGASTAT 2422     | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Agastat E7022, 7022, 2422) Transition, normally open   4.00   ANSI C37.98    | Yes |
| 1397     | ESTD/G02       | AGASTAT 2422     | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 4.00 (Agastat E7022, 7022, 2422) Transition, normally open   4.00   ANSI C37.98    | Yes |



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ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|------------|----------------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|---|--------|
| 1388     | ESTR/G01   | SQ D TYPE PO   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1389     | ESTR/G02   | SQ D TYPE PO   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1390     | ESTX/G01   | W MG-6         | DG         | G-01             | C-34     | C-34                       | SS20                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 1391     | ESTX/G02   | W MG-6         | DG         | G-02             | C-35     | C-35                       | SS20                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 1392     | ETS/G01    |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment   | Yes    |
| 1393     | ETS/G02    |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment   | Yes    |
| 1394     | EXC/G01    | SQ D FAL       | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1395     | EXC/G02    | SQ D FAL       | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1396     | FFC/G01    | SQ D TYPE EQ   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1397     | FFC/G02    | SQ D TYPE EQ   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1398     | FFV/G01    | VC 36530082-01 | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1399     | FFV/G02    | VC 36530082-01 | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1400     | FPD/G01    | SQ D TYPE EQ   | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment   | Yes    |
| 1401     | FPD/G02    | SQ D TYPE EQ   | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment   | Yes    |
| 1402     | FPR/G01    | VC 12-8336     | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1403     | FPR/G02    | VC 12-8336     | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1404     | FSR1/G01   | SQ D TYPE PO   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1405     | FSR1/G02   | SQ D TYPE PO   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1406     | FSR2/G01   | SQ D TYPE PO   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1407     | FSR2/G02   | SQ D TYPE PO   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1408     | FSX/G01    | W MG-6         | DG         | G-01             | C-34     | C-34                       | SS20                   | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|------------|----------------|------------|------------------|----------|----------------------------|------------------------|--|---|--------|
| 1409     | FSX/G02    | W MG-6         | DG         | G-02             | C-35     | SS20                       | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 10.00 (Westinghouse MG-6 (DC)   Non-operate, normally open   10.00)   ANSI C37.98 | Yes    |
| 1410     | FTC1/G01   | CH MODEL 6     | DG         | G-01             | G-01     | C-64                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1411     | FTC1/G02   | CH MODEL 6     | DG         | G-02             | G-02     | C-65                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1412     | FTC2/G01   | CH MODEL 6     | DG         | G-01             | G-01     | C-64                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1413     | FTC2/G02   | CH MODEL 6     | DG         | G-02             | G-02     | C-65                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1414     | FTH/G01    | VC 36530082-01 | DG         | G-01             | G-01     | C-64                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1415     | FTH/G02    | VC 36530082-01 | DG         | G-02             | G-02     | C-65                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1416     | FTL/G01    | VC 36530082-01 | DG         | G-01             | G-01     | C-64                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1417     | FTL/G02    | VC 36530082-01 | DG         | G-02             | G-02     | C-65                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1418     | FTS1/G01   | MAGNETROL      | DG         | G-01             | G-01     | G-01                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1419     | FTS1/G02   | MAGNETROL      | DG         | G-02             | G-02     | G-02                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1420     | FTSL/G01   | MAGNETROL      | DG         | G-01             | G-01     | G-01                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1421     | FTSL/G02   | MAGNETROL      | DG         | G-02             | G-02     | G-02                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1422     | FTSN/G01   | MAGNETROL      | DG         | G-01             | G-01     | G-01                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1423     | FTSN/G02   | MAGNETROL      | DG         | G-02             | G-02     | G-02                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1424     | FTT/G01    | W BF42F        | DG         | G-01             | G-01     | C-64                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1425     | FTT/G02    | W BF42F        | DG         | G-02             | G-02     | C-65                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1426     | GCS L/G01  |                | DG         | G-01             | G-01     | C-64                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1427     | GCS L/G02  |                | DG         | G-02             | G-02     | C-65                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |
| 1428     | GCS R/G01  |                | DG         | G-01             | G-01     | C-64                       | SS                     | N/A  | Relays mounted on vibrating equipment   | Yes    |



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ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE   | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS  |     |
|----------|--------------|----------------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|--|---|-----|
| 1429     | GCS R/G02    |                | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1430     | GOV. SOL/G01 |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1431     | GOV. SOL/G02 |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1432     | GP/G01       | VC 36530082-01 | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1433     | GP/G02       | VC 36530082-01 | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1434     | GPA/G01      | W BFD225       | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes |
| 1435     | GPA/G02      | W BFD225       | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes |
| 1436     | GS/G01       | VC 36530082-01 | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1437     | GS/G02       | VC 36530082-01 | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity  | No  |
| 1438     | H5/G01       |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1439     | H5/G02       |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1440     | IHC/G01      | CH 9560ED139   | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1441     | IHC/G02      | CH 9560ED139   | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1442     | LFP1/G01     |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1443     | LFP1/G02     |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1444     | LFP2/G01     |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1445     | LFP2/G02     |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |
| 1446     | LOL/G01      |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment              | Yes   |     |



RELAY EVALUATION REPORT

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| RELAY ID | RELAY MAKE | SYSTEM       | SUB-SYSTEM | RELAY CABINET ID | LOCATION      | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|------------|--------------|------------|------------------|---------------|----------------------------|------------------------|--------------------------------|--|--------|
| 1447     | LC/G02     |              | DG         | G-02             | G-02          | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1448     | LOTS/G01   |              | DG         | G-01             | G-01          | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1449     | LOTS/G02   |              | DG         | G-02             | G-02          | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1450     | LS/3930AX  | W BFD44S     | FO         | FO-3930-M        | C-01-1(2)C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * A.np Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 1451     | LS/3931AX  | W BFD44S     | FO         | FO-3931-M        | C-01-1(2)C-04 | C-01                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS  | Yes    |
| 1452     | LS/G01     |              | DG         | G-01             | G-01          | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1453     | LS/G02     |              | DG         | G-02             | G-02          | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1454     | LWD/G01    | AGASTAT 2412 | DG         | G-01             | C-34          | C-34                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50   ANSI C37.98 | Yes    |
| 1455     | LWD/G02    | AGASTAT 2412 | DG         | G-02             | C-35          | C-35                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50   ANSI C37.98 | Yes    |
| 1456     | LWS/G01    |              | DG         | G-01             | G-01          | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1457     | LWS/G02    |              | DG         | G-02             | G-02          | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1458     | MB1/G01    |              | DG         | G-01             | G-01          | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1459     | MB1/G02    |              | DG         | G-02             | G-02          | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1460     | MB2/G01    |              | DG         | G-01             | G-01          | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1461     | MB2/G02    |              | DG         | G-02             | G-02          | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1462     | MB3/G01    |              | DG         | G-01             | G-01          | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |
| 1463     | MB3/G02    |              | DG         | G-02             | G-02          | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment  | Yes    |



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ESSENTIAL RELAY LIST

|      | RELAY ID  | RELAY MAKE        | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS        | RELAY GERS SEISMIC CAPACITY | STATUS |
|------|-----------|-------------------|--------|------------|------------------|----------|----------------------------|------------------------|---------------------------------------|-----------------------------|--------|
| 1464 | MB4/G01   |                   | DG     | G-01       | G-01             | G-01     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1465 | MB4/G02   |                   | DG     | G-02       | G-02             | G-02     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1466 | MBX1/G01  | VC<br>36530082-01 | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |                                       | Unknown capacity            | No     |
| 1467 | MBX1/G02  | VC<br>36530082-01 | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |                                       | Unknown capacity            | No     |
| 1468 | MBX2/G01  | VC<br>36530082-01 | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |                                       | Unknown capacity            | No     |
| 1469 | MBX2/G02  | VC<br>36530082-01 | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |                                       | Unknown capacity            | No     |
| 1470 | MFP1/G01  |                   | DG     | G-01       | G-01             | G-01     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1471 | MFP1/G02  |                   | DG     | G-02       | G-02             | G-02     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1472 | MFP2/G01  |                   | DG     | G-01       | G-01             | G-01     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1473 | MFP2/G02  |                   | DG     | G-02       | G-02             | G-02     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1474 | MSR1/G01  | SQ D TYPE<br>PO   | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |                                       | Unknown capacity            | No     |
| 1475 | MSR1/G02  | SQ D TYPE<br>PO   | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |                                       | Unknown capacity            | No     |
| 1476 | MSR2/G01  | SQ D TYPE<br>PO   | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |                                       | Unknown capacity            | No     |
| 1477 | MSR2/G02  | SQ D TYPE<br>PO   | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |                                       | Unknown capacity            | No     |
| 1478 | MVST1/G01 |                   | DG     | G-01       | G-01             | G-01     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1479 | MVST1/G02 |                   | DG     | G-02       | G-02             | G-02     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1480 | MVST2/G01 |                   | DG     | G-01       | G-01             | G-01     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1481 | MVST2/G02 |                   | DG     | G-02       | G-02             | G-02     | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1482 | NFLD/G01  | DELTA<br>CONTROLS | DG     | G-01       | G-01             | C-64A    | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |
| 1483 | NFLD/G02  | DELTA<br>CONTROLS | DG     | G-02       | G-02             | C-65A    | SS                         | N/A                    | Relays mounted on vibrating equipment |                             | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY           | STATUS |
|----------|------------|----------------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|---------------------------------------|--------|
| 1484     | NFLDA/G01  | DELTA CONTROLS | DG         | G-01             | G-01     | C-64A                      | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1485     | NFLDA/G02  | DELTA CONTROLS | DG         | G-02             | G-02     | C-65A                      | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1486     | OC/G01     | DELTA CONTROLS | DG         | G-01             | G-01     | C-64A                      | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1487     | OC/G02     | DELTA CONTROLS | DG         | G-02             | G-02     | C-65A                      | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1488     | OL CPM/G01 | DELTA CONTROLS | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1489     | OL CPM/G02 | DELTA CONTROLS | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1490     | OL SPM/G01 | THERMAL OL     | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1491     | OL SPM/G02 | THERMAL OL     | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1492     | OL1/G01    | THERMAL OL     | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1493     | OL1/G02    | THERMAL OL     | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1494     | OL2/G01    | THERMAL OL     | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1495     | OL2/G02    | THERMAL OL     | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1496     | OLIH/G01   | THERMAL OL     | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1497     | OLIH/G02   | THERMAL OL     | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1498     | OT/G01     | DELTA CONTROLS | DG         | G-01             | G-01     | C-64A                      | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1499     | OT/G02     | DELTA CONTROLS | DG         | G-02             | G-02     | C-65A                      | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1500     | OTR/G01    | SQ D TYPE PO   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity                      | No     |
| 1501     | OTR/G02    | SQ D TYPE PO   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity                      | No     |
| 1502     | OTS/G01    |                | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |
| 1503     | OTS/G02    |                | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID  | RELAY MAKE   | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|------|-----------|--------------|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1504 | P38A-1X   | W BFD31S     | AF     | AF-4023-M  | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1505 | P38A-2X   | W BFD31S     | AF     | AF-4022-M  | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1506 | P38A-3X   | W BFD66S     | AF     | P-38A-M    | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1507 | P38B-1X   | W BFD31S     | AF     | AF-4021-M  | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1508 | P38B-2X   | W BFD31S     | AF     | AF-4020-M  | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1509 | P38B-3X   | W BFD66S     | AF     | P-38B-M    | C-01-1(2)C-04    | C-01     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 9.00 (Westinghouse BFD) Non-operate, normally closed   9.00)   Modified Relay GERS | Yes    |
| 1510 | PFD1/G01  | SQ D TYPE EQ | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1511 | PFD1/G02  | SQ D TYPE EQ | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1512 | PFD2/G01  | SQ D TYPE EQ | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1513 | PFD2/G02  | SQ D TYPE EQ | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1514 | PFDA1/G01 | SQ D TYPE EQ | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1515 | PFDA1/G02 | SQ D TYPE EQ | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1516 | PFDA2/G01 | SQ D TYPE EQ | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |  | Unknown capacity   | No     |
| 1517 | PFDA2/G02 | SQ D TYPE EQ | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |  | Unknown capacity   | No     |





RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE  | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS                     | RELAY GERS SEISMIC CAPACITY  | STATUS |
|----------|---|--------|------------|------------------|----------|----------------------------|------------------------|--|--|--------|
| 1518     | PY-4042-LL<br>FOXBORO<br>NO152CK -<br>N-2AO-L2C-R | AF     | P-38A-M    | 1C-170-173       | 1C-171   | SS                         | LRR                    | Level 4: Current Standards/Licensing Criteria      |  | Yes    |
| 1519     | PY-4043-LL<br>FOXBORO<br>NO152CK -<br>N-2AO-L2C-R | AF     | P-38B-M    | 2C-170-173       | 2C-173   | SS                         | LRR                    | Level 4: Current Standards/Licensing Criteria      |  | Yes    |
| 1520     | RP/G01<br>DELTA<br>CONTROLS                       | DG     | G-01       | G-01             | C-64A    | SS                         | N/A                    | Relays mounted on vibrating equipment              |  | Yes    |
| 1521     | RP/G02<br>DELTA<br>CONTROLS                       | DG     | G-02       | G-02             | C-65A    | SS                         | N/A                    | Relays mounted on vibrating equipment              |  | Yes    |
| 1522     | RWS/G01   | DG     | G-01       | G-01             | G-01     | SS                         | N/A                    | Relays mounted on vibrating equipment              |  | Yes    |
| 1523     | RWS/G02   | DG     | G-02       | G-02             | G-02     | SS                         | N/A                    | Relays mounted on vibrating equipment              |  | Yes    |
| 1524     | SCR/G01<br>SQ D TYPE<br>EQ                        | DG     | G-01       | G-01             | C-64     | SS                         | N/A                    | Relays mounted on vibrating equipment              |  | Yes    |
| 1525     | SCR/G02<br>SQ D TYPE<br>EQ                        | DG     | G-02       | G-02             | C-65     | SS                         | N/A                    | Relays mounted on vibrating equipment              |  | Yes    |
| 1526     | SFA/G01<br>DELTA<br>CONTROLS                      | DG     | G-01       | G-01             | C-64A    | SS                         | N/A                    | Relays mounted on vibrating equipment              |  | Yes    |
| 1527     | SFA/G02<br>DELTA<br>CONTROLS                      | DG     | G-02       | G-02             | C-65A    | SS                         | N/A                    | Relays mounted on vibrating equipment              |  | Yes    |
| 1528     | SFB1/G01<br>AGASTAT<br>7012                       | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412   Non-operate, normally open   12.50)   ANSI C37.98 | Yes    |
| 1529     | SFB1/G02<br>AGASTAT<br>7012                       | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412   Non-operate, normally open   12.50)   ANSI C37.98 | Yes    |
| 1530     | SFB2/G01<br>AGASTAT<br>7012                       | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412   Non-operate, normally open   12.50)   ANSI C37.98 | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM         | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY                        | STATUS   |     |
|----------|------------|----------------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|--|--|-----|
| 1531     | SFB2/G02   | AGASTAT 7012   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor | 12.50 (Agastat E7012, 7012, 2412) Non-operate, normally open   12.50   ANSI C37.98 | Yes |
| 1532     | SFD1/G01   | SQ D TYPE EQ   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1533     | SFD1/G02   | SQ D TYPE EQ   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1534     | SFD2/G01   | SQ D TYPE EQ   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1535     | SFD2/G02   | SQ D TYPE EQ   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1536     | SPMC/G01   | CH TYPE M      | DG         | G-01             | G-01     | C-64                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |  | Yes |
| 1537     | SPMC/G02   | CH TYPE M      | DG         | G-02             | G-02     | C-65                       | SS                     | N/A                            | Relays mounted on vibrating equipment              |  | Yes |
| 1538     | SSP1/G01   | EMD            | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1539     | SSP1/G02   | EMD            | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1540     | SSP2/G01   | EMD            | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1541     | SSP2/G02   | EMD            | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1542     | START1/G01 | SQ D FAL       | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1543     | START1/G02 | SQ D FAL       | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1544     | START2/G01 | SQ D FAL       | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1545     | START2/G02 | SQ D FAL       | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1546     | STCP1/G01  | VC 38530082-01 | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1547     | STCP1/G02  | VC 38530082-01 | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1548     | STCP2/G01  | VC 36530082-01 | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1549     | STCP2/G02  | VC 36530082-01 | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1550     | STL01/G01  | SQ D TYPE EQ   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1551     | STL01/G02  | SQ D TYPE EQ   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1552     | STL02/G01  | SQ D TYPE EQ   | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            |  | Unknown capacity   | No  |
| 1553     | STL02/G02  | SQ D TYPE EQ   | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            |  | Unknown capacity   | No  |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

| RELAY ID | RELAY MAKE | SYSTEM                | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY   | STATUS |
|----------|------------|-----------------------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|---|--------|
| 1554     | STR1/G01   | VC 36530082-01        | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1555     | STR1/G02   | VC 36530082-01        | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1556     | STR2/G01   | VC 12-8336            | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1557     | STR2/G02   | VC 12-8336            | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1558     | TB/G01     | TEMP SW               | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment   | Yes    |
| 1559     | TB/G02     | TEMP SW               | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment   | Yes    |
| 1560     | TOS/G01    |                       | DG         | G-01             | G-01     | G-01                       | SS                     | N/A                            | Relays mounted on vibrating equipment   | Yes    |
| 1561     | TOS/G02    |                       | DG         | G-02             | G-02     | G-02                       | SS                     | N/A                            | Relays mounted on vibrating equipment   | Yes    |
| 1562     | TR         | W BFD44S              | 480V       | 1B52-22A         | N-06     | N-06                       | SS                     | LRR                            | Level 2: GERS/TRS v. Conservative FRS * Amp Factor<br>9.00 (Westinghouse BFD) Non-operate, normally closed   9.00   Modified Relay GERS | Yes    |
| 1563     | VSD1/G01   | SQ D TYPE EQ          | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1564     | VSD1/G02   | SQ D TYPE EQ          | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1565     | VSD2/G01   | SQ D TYPE EQ          | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1566     | VSD2/G02   | SQ D TYPE EQ          | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1567     | VSR1/G01   | SQ D TYPE PO          | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1568     | VSR1/G02   | SQ D TYPE PO          | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1569     | VSR2/G01   | SQ D TYPE PO          | DG         | G-01             | C-34     | C-34                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1570     | VSR2/G02   | SQ D TYPE PO          | DG         | G-02             | C-35     | C-35                       | SS                     | LRR                            | Unknown capacity  | No     |
| 1571     | X/1A52-58  | W Life Line Contactor | 4160V      | 1A52-58          | 1A-05    | 1A52-58                    | SWGR                   | LRR                            | Switchgear Rule-of-the-Box  | Yes    |
| 1572     | X/1A52-60  | W Life Line Contactor | DG         | 1A52-60          | 1A-05    | 1A52-60                    | SWGR                   | LRR                            | Switchgear Rule-of-the-Box  | Yes    |
| 1573     | X/1A52-61  | W Life Line Contactor | 4160V      | 1A52-61          | 1A-05    | 1A52-61                    | SWGR                   | LRR                            | Switchgear Rule-of-the-Box  | Yes    |



RELAY EVALUATION REPORT

ESSENTIAL RELAY LIST

|      | RELAY ID   | RELAY MAKE            | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY | STATUS |
|------|------------|-----------------------|--------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|-----------------------------|--------|
| 1574 | X/1A52-64  | W Life Line Contactor | 4160V  | 1A52-64    | 1A-06            | 1A52-64  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1575 | X/1A52-66  | W Life Line Contactor | DG     | 1A52-66    | 1A-06            | 1A52-66  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1576 | X/1B52-10A | W Type M              | CC     | 1P-11A-M   | 1B-03            | 1B52-10A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1577 | X/1B52-11B | W Type M              | 480V   | 1B52-11B   | 1B-03            | 1B52-11B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1578 | X/1B52-12A | W Type M              | 480V   | 1B52-12A   | 1B-03            | 1B52-12A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1579 | X/1B52-12C | W Type M              | AF     | P-3BA-M    | 1B-03            | 1B52-12C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1580 | X/1B52-13A | W Type M              | 480V   | 1B52-13A   | 1B-03            | 1B52-13A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1581 | X/1B52-13B | W Type M              | 480V   | 1B52-13B   | 1B-03            | 1B52-13B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1582 | X/1B52-13C | W Type M              | 480V   | 1B52-13C   | 1B-03            | 1B52-13C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1583 | X/1B52-14A | W Type M              | 480V   | 1B52-14A   | 1B-03            | 1B52-14A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1584 | X/1B52-14B | W Type M              | 480V   | 1B52-14B   | 1B-03            | 1B52-14B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1585 | X/1B52-15A | W Type M              | VNCC   | 1W-1A1     | 1B-03            | 1B52-15A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1586 | X/1B52-15B | W Type M              | VNCC   | 1W-1B1     | 1B-03            | 1B52-15B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1587 | X/1B52-16B | W Type M              | 480V   | 1B52-16B   | 1B-03            | 1B52-16B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1588 | X/1B52-17B | W Type M              | 480V   | 1B52-17B   | 1B-04            | 1B52-17B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1589 | X/1B52-18A | W Type M              | VNCC   | 1W-1C1     | 1B-04            | 1B52-18A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1590 | X/1B52-18B | W Type M              | VNCC   | 1W-1D1     | 1B-04            | 1B52-18B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1591 | X/1B52-19A | W Type M              | 480V   | 1B52-19A   | 1B-04            | 1B52-19A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1592 | X/1B52-20A | W Type M              | 480V   | 1B52-20A   | 1B-04            | 1B52-20A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1593 | X/1B52-21A | W Type M              | 480V   | 1B52-21A   | 1B-04            | 1B52-21A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |



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|      | RELAY ID   | RELAY MAKE            | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY | STATUS |
|------|------------|-----------------------|--------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|-----------------------------|--------|
| 1594 | X/1B52-23A | W Type M              | 480V   | 1B52-23A   | 1B-04            | 1B52-23A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1595 | X/1B52-23B | W Type M              | CC     | 1P-11B-M   | 1B-04            | 1B52-23B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1596 | X/1B52-23C | W Type M              | 480V   | 1B52-23C   | 1B-04            | 1B52-23C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1597 | X/1B52-24C | W Type M              | 480V   | 1B52-24C   | 1B-04            | 1B52-24C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1598 | X/2A52-67  | W Life Line Contactor | DG     | 2A52-67    | 2A-06            | 2A52-67  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1599 | X/2A52-69  | W Life Line Contactor | 4160V  | 2A52-69    | 2A-06            | 2A52-69  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1600 | X/2A52-72  | W Life Line Contactor | 4160V  | 2A52-72    | 2A-06            | 2A52-72  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1601 | X/2A52-73  | W Life Line Contactor | DG     | 2A52-73    | 2A-05            | 2A52-73  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1602 | X/2A52-75  | W Life Line Contactor | 4160V  | 2A52-75    | 2A-05            | 2A52-75  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1603 | X/2B52-25B | W Type M              | 480V   | 2B52-25B   | 2B-04            | 2B52-25B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1604 | X/2B52-26A | W Type M              | VNCC   | 2W-1C1     | 2B-04            | 2B52-26A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1605 | X/2B52-26B | W Type M              | VNCC   | 2W-1D1     | 2B-04            | 2B52-26B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1606 | X/2B52-27A | W Type M              | 480V   | 2B52-27A   | 2B-04            | 2B52-27A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1607 | X/2B52-28A | W Type M              | 480V   | 2B52-28A   | 2B-04            | 2B52-28A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1608 | X/2B52-28B | W Type M              | CC     | 2P-11B-M   | 2B-04            | 2B52-28B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1609 | X/2B52-29A | W Type M              | 480V   | 2B52-29A   | 2B-04            | 2B52-29A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1610 | X/2B52-31A | W Type M              | 480V   | 2B52-31A   | 2B-04            | 2B52-31A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1611 | X/2B52-31B | W Type M              | 480V   | 2B52-31B   | 2B-04            | 2B52-31B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1612 | X/2B52-31C | W Type M              | AF     | P-38B-M    | 2B-04            | 2B52-31C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1613 | X/2B52-32C | W Type M              | 480V   | 2B52-32C   | 2B-04            | 2B52-32C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |



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|      | RELAY ID   | RELAY MAKE            | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY | STATUS |
|------|------------|-----------------------|--------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|-----------------------------|--------|
| 1614 | X/2B52-33C | W Type M              | 480V   | 2B52-33C   | 2B-03            | 2B52-33C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1615 | X/2B52-34A | W Type M              | CC     | 2P-11A-M   | 2B-03            | 2B52-34A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1616 | X/2B52-35C | W Type M              | 480V   | 2B52-35C   | 2B-03            | 2B52-35C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1617 | X/2B52-36A | W Type M              | 480V   | 2B52-36A   | 2B-03            | 2B52-36A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1618 | X/2B52-36C | W Type M              | 480V   | 2B52-36C   | 2B-03            | 2B52-36C | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1619 | X/2B52-37A | W Type M              | 480V   | 2B52-37A   | 2B-03            | 2B52-37A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1620 | X/2B52-37B | W Type M              | 480V   | 2B52-37B   | 2B-03            | 2B52-37B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1621 | X/2B52-38A | W Type M              | 480V   | 2B52-38A   | 2B-03            | 2B52-38A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1622 | X/2B52-38B | W Type M              | 480V   | 2B52-38B   | 2B-03            | 2B52-38B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1623 | X/2B52-39A | W Type M              | VNCC   | 2W-1A1     | 2B-03            | 2B52-39A | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1624 | X/2B52-39B | W Type M              | VNCC   | 2W-1B1     | 2B-03            | 2B52-39B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1625 | X/2B52-40B | W Type M              | 480V   | 2B52-40B   | 2B-03            | 2B52-40B | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1626 | Y/1A52-58  | W Life Line Contactor | 4160V  | 1A52-58    | 1A-05            | 1A52-58  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1627 | Y/1A52-60  | W Life Line Contactor | DG     | 1A52-60    | 1A-05            | 1A52-60  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1628 | Y/1A52-61  | W Life Line Contactor | 4160V  | 1A52-61    | 1A-05            | 1A52-61  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1629 | Y/1A52-64  | W Life Line Contactor | 4160V  | 1A52-64    | 1A-06            | 1A52-64  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1630 | Y/1A52-66  | W Life Line Contactor | DG     | 1A52-66    | 1A-06            | 1A52-66  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1631 | Y/2A52-67  | W Life Line Contactor | DG     | 2A52-67    | 2A-06            | 2A52-67  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1632 | Y/2A52-69  | W Life Line Contactor | 4160V  | 2A52-69    | 2A-06            | 2A52-69  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1633 | Y/2A52-72  | W Life Line Contactor | 4160V  | 2A52-72    | 2A-06            | 2A52-72  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |



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|      | RELAY ID  | RELAY MAKE            | SYSTEM | SUB-SYSTEM | RELAY CABINET ID | LOCATION | SCREENING CODE (w/ note #) | LOW RUGGED RELAY CHECK | RELAY CAPACITY SCREENING BASIS | RELAY GERS SEISMIC CAPACITY | STATUS |
|------|-----------|-----------------------|--------|------------|------------------|----------|----------------------------|------------------------|--------------------------------|-----------------------------|--------|
| 1634 | Y/2A52-73 | W Life Line Contactor | DG     | 2A52-73    | 2A-05            | 2A52-73  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1635 | Y/2A52-75 | W Life Line Contactor | 4160V  | 2A52-75    | 2A-05            | 2A52-75  | SWGR                       | LRR                    | Switchgear Rule-of-the-Box     |                             | Yes    |
| 1636 | ZSR1/G01  | SQ D TYPE PO          | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |                                | Unknown capacity            | No     |
| 1637 | ZSR1/G02  | SQ D TYPE PO          | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |                                | Unknown capacity            | No     |
| 1638 | ZSR2/G01  | SQ D TYPE PO          | DG     | G-01       | C-34             | C-34     | SS                         | LRR                    |                                | Unknown capacity            | No     |
| 1639 | ZSR2/G02  | SQ D TYPE PO          | DG     | G-02       | C-35             | C-35     | SS                         | LRR                    |                                | Unknown capacity            | No     |



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The following is the index of the specific evaluation discussions provided in Appendix F

- F.1 THE PBNP SAFE SHUTDOWN EARTHQUAKE EVENT AND EXPECTED PLANT RESPONSE
- F.2 WESTINGHOUSE MG-6 CHATTER ACCEPTABILITY IN SWITCHGEAR
- F.3 EVALUATION OF THE WESTINGHOUSE ITH SEISMIC CAPACITY
- F.4 EMERGENCY DIESEL LOADING DUE TO THE INADVERTENT START OF NON-ESSENTIAL ELECTRICAL LOADS
- F.5 WESTINGHOUSE MG-6 CHATTER ACCEPTABILITY IN ENGINEERED SAFEGUARDS SYSTEMS





F.1 THE PBNP SAFE SHUTDOWN EARTHQUAKE EVENT AND EXPECTED PLANT RESPONSE

As stated in Section II.3.1.2 of the GIP, offsite power may or may not be available for up to 72 hours following the earthquake.

The initial strong motion associated with the PBNP SSE event is expected to last for 30 seconds. The following electrical power system response is expected to occur. The response is described using the equipment from Unit 1, however, the Unit 2 equipment is expected to respond in kind. The sequence shows that either offsite or emergency power will be maintained to the 4160 VAC safety-related buses, 1A-05 and 1A-06.

The SSE is expected to result in a unit trip. If a unit turbine generator trip occurs, the non safety-related buses, 1A-01 and 1A-02, are transferred by a fast bus transfer scheme (using stored energy breakers) to the unit's station low voltage auxiliary transformer (1X-04) [6.20, Section 8.2.2]. The power supply breakers, 1A52-01 and 1A52-17, to 1A-01 and 1A-02 respectively, open. The 1A-01/1A-03 tie breaker, 1A52-37, and 1A-02/1A-04 tie breaker, 1A52-55, will shut if the following conditions are met. Control power for the breakers is from the 125 VDC distribution subsystem.

1. No Unit 2 train A or train B SI signal.
2. For the 1A-01/1A-03 bus tie (1A52-37) - the 1A-03/2A-03 bus tie breaker 1A52-40 is open or the 2A-01/2A-03 bus tie breaker 2A52-44 is open.
3. For the 1A-02/1A-04 bus tie (1A52-55) - the 1A-04/2A-04 bus tie breaker 1A52-52 is open or the 2A-02/2A-04 bus tie breaker 2A52-48 is open.
4. Bus synchronizing relays detect the buses in synchronism.
5. The associated bus lock out devices are not tripped.

This prohibitive scheme prevents overloading the 1X-04 transformer and prevents any unit supply bus from automatically assuming total associated load of both units and assures a dedicated normal engineered safeguards power supply to a unit experiencing a safety injection. The scheme also ensures that power is maintained to the 1A-05 and 1A-06 buses without introducing a fault which may be present on the non safety-related 4160 VAC buses. The components associated with the fast bus transfer scheme are not safety-related and therefore, are not included on the SSEL. The safety-related buses are protected by their associated degraded voltage, under-voltage and phase differential relays.



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In the event that voltage on 1A-05 or 1A-06 is degraded or lost, the associated degraded voltage relays (273/A05, 274/A05, 275/A05, 273/A06, 274/A06, 275/A06), using two out of three logic, will disconnect the buses from their normal (offsite) power supply to prevent the operation of connected loads at damaging (low) voltages.

When the voltage is lost on the 4160 VAC safety-related buses, the associated under-voltage relays (271/A05, 272/A05, 271/A06, 272/A06) will disconnect the buses from their normal (offsite) power supply. In addition, the relays will provide a signal to start the emergency diesel generators and transfer the buses to this emergency power supply.

With the occurrence of under-voltage on 4160 VAC bus 1A-05, the automatic sequence is as follows:

1. Trip bus 1A-05 supply breaker 1A52-57 to isolate bus 1A-05 from bus 1A-03.
2. All feeder breakers on 480 VAC bus 1B-03, except for the component cooling water pump motor, auxiliary feedwater pump motor, feeder breaker to 1B-39 and the safeguards motor control center 1B-32, are tripped by under-voltage. The tie breakers to buses 1B-01 and 1B-04 are tripped by under-voltage also.
3. Start the emergency diesel generators G-01 and G-02, the normal and alternate emergency power supplies.
4. After the EDGs come up to speed and voltage, close the emergency diesel generator output breaker 1A52-60. The alternate EDG (G-02) will run unloaded until stopped manually if power to 1A-06 is still available.
5. If the motor-driven auxiliary feedwater pump or the component cooling water pump had been operating prior to the loss of voltage, they would be automatically restarted upon return of bus voltage. If either had not been running, it would be subject to its automatic starting logic.
6. After automatic loading, manually start any auxiliary equipment as required for safe plant operation. If there is a requirement for engineered safety features operation coincident with under-voltage, step 4, above, is automatically followed by the sequential starting of engineered safety features equipment. This loading sequence for



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emergency diesel generator G-01 is as follows, continuing from step 4.\* The time lapse for Step 3 to Step 4 is 10 seconds. This is the maximum allowed by design per the FSAR.

Time Lapse after Step 4\*

|   |         |
|---|---------|
| a. Start Safety Injection Pump 1P-15A       | 0 sec.  |
| b. Start Residual Heat Removal Pump 1P-10A  | 5 sec.  |
| c. Start Auxiliary Feedwater Pump P-38A     | 10 sec. |
| d. Start Service Water Pump P-32A           | 15 sec. |
| e. Start Service Water Pump P-32B           | 20 sec. |
| f. Start Service Water Pump P-32F           | 25 sec. |
| g. Start Containment Ventilation Fan 1W-1A1 | 30 sec. |

\* Relative time to initiation of the breaker closing signal following loss of voltage and a requirement for engineering safety features. Starting of containment spray pumps, if initiated automatically by high containment pressure, is accomplished with any of the above steps following the starting of the residual heat removal pump.

The emergency diesel generator automatic loading sequence, including engine starting, will be accomplished in approximately 60 seconds. Safeguards motor control centers are energized and injection valves are opened at the same time that the 480 VAC power is restored to bus 1B-03.

The automatic sequences for bus 2A-05 and for buses 1A-06 and 2A-06, associated with emergency generator G-02 are similar to that described for bus 1A-05.



## F.2 WESTINGHOUSE MG-6 CHATTER ACCEPTABILITY IN SWITCHGEAR

The Westinghouse MG-6 Relay is used as a lockout relay for the 4160 VAC and 480 VAC switchgear breakers. The MG-6 relay has a de-energized normally closed contact pair in the circuit breaker closing circuit and a de-energized normally open contact pair in the circuit breaker tripping circuit. The seismic capacity of the de-energized normally closed contact pair is 3.0g [6.12]. The seismic capacity of the normally open contact pair is 10.0g [6.12]. As a result of the low seismic capacity of the normally closed contact pair, this chatter acceptability evaluation is developed. The chatter is only considered to occur during the period of the earthquake strong motion [Section 3.2.3], after which the relay is considered to function normally.

The normally closed contact pair in the breaker closing circuit functions to prevent the closure of the breaker prior to resetting the relay, in the event of a lockout signal. The lockout signal energizes the MG-6 relay, opening the normally closed contact pair in the breaker closing circuit. The MG-6 relay also has a normally opened contact pair which shuts, maintaining the MG-6 relay energized until it is reset.

Relay chatter of the de-energized normally closed contact pair in the breaker closing circuit only affects the breaker's function if a breaker closing signal is received while the relay is chattering. If this occurs, the relay chatter could prevent the breaker from closing. A breaker will fit into one of the following three categories for determining chatter acceptability of the MG-6 lockout relay.

1. The breaker is normally closed and remains closed upon the receipt of a bus under-voltage signal. The component cooling water pump (1P-11A) breaker, 1B52-10A, is an example.

For breakers that are closed and remain closed, a closing signal is never generated. Therefore, the MG-6 de-energized normally closed contact pair chatter is acceptable.

2. The breaker is normally closed and is tripped open upon the receipt of a bus under-voltage signal. The breaker is required to remain open because its electrical load was not considered in the diesel generator loading analysis [6-21]. The electric fire pump (P-35A) breaker, 1B52-10B, is an example.

For breakers that do not receive an automatic close signal, there is no urgency for the load to be re-energized. If the operator manually closes the breaker during the period of potential relay chatter, the breaker may not close due to the chatter of the MG-6 normally closed contact pair. The



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operator will maintain the control switch in the closed position until indication is received that the breaker is closed. Therefore, relay chatter in this situation will only temporarily delay closing of the affected breaker, and will not adversely affect the ability to safely shutdown the plant.

3. The breaker is normally open and required to close upon the receipt of an automatic actuation signal. The auxiliary feed pump (P-38A) breaker, 1B52-12C, is an example.

Based on a review of the FSAR Chapter 14 accident analysis [6-20], three accidents requiring engineered safeguards system actuation are considered possible following an earthquake; 1) Loss of External Electrical Load, 2) Loss of Normal Feedwater and 3) Loss of All AC Power to Auxiliaries. In each case, the engineered safeguards system actuation is not expected until after the 30 second period of earthquake strong motion is over. Therefore relay chatter is considered acceptable during the period of the earthquake strong motion.



### F.3 EVALUATION OF THE WESTINGHOUSE ITH RELAY SEISMIC CAPACITY

The Westinghouse ITH Relay is used as a ground instantaneous current relay (50G ITH) for the 4160 VAC switchgear breakers for equipment on the safe shutdown equipment list [West 499B466 Sh 201, Rev 9]. The Westinghouse ITH relay has a de-energized normally open contact pair in the circuit breaker over-current protection circuit. The contact pair is in the direct control path of the lockout relay 86 of the breaker trip circuit. The contact pair also has an associated seal-in relay (ICS) such that once the ITH relay actuates, the ICS relay and contact pair maintains power to the lockout relay 86 in the breaker trip circuit. Once the lockout relay is energized, it must be manually reset prior to shutting the associated circuit breaker. The function of the Westinghouse ITH relay in the breaker control circuit is such that relay chatter is not acceptable. The relay can not be evaluated using the "Switchgear Rule-of-the-Box" because it directly controls a switchgear lockout device [6.7]. Therefore the relay must have a relay specific seismic capacity screening.

The Westinghouse ITH relay is listed as a low ruggedness relay [6.7, Appendix E]. A review of the reference material for the low ruggedness determination, [6.17] indicates that the relay is on the low ruggedness list because it is susceptible to chatter resulting from mechanical shock. Subsequent to the relay being placed on the low ruggedness list, it was tested as part of the SQUG Relay GERS test program. The relay seismic fragility data indicates that the relay seismic capacity is 3.0g for the de-energized normally open contact pair configuration and 10.0g for the energized normally open or normally closed contact pair configuration [6.13]. The available information indicates that the relay has some capacity in the natural frequency ranges required to be checked by for USI A-46 (i.e., 4-16 Hz, and ZPA), however, it is susceptible to chatter due to high frequency accelerations (i.e., mechanical shock).

Based on the available information, the relay is considered a low ruggedness relay. For USI A-46, however, the relay is not automatically targeted for replacement. Its capacity is being evaluated based on the information in EPRI NP-7147 Volume 2: Addendum 1.



F.4 EMERGENCY DIESEL LOADING DUE TO THE INADVERTENT START OF  
NON-ESSENTIAL ELECTRICAL LOADS

The Emergency Diesel Generator loading is analyzed for the maximum loading conditions during a safety injection actuation in response to a LOCA [WE Calculation N-91-016, Ref. 6-21]. The analysis considers the different electrical loading during each of the two response phases, the injection phase and the recirculation phase.

For the USI A-46 postulated seismic event, the potential exists for the loss of off-site power and emergency diesel generator operation, coincident with a safety injection actuation. To ensure that the emergency diesel generators will not be loaded in excess of that analyzed for in the diesel generator loading analysis, a relay review of the 4160 VAC (A-05 and A-06) and the 480 VAC (B-03 and B-04) buses' under-voltage and lockout relays was performed. Non-essential loads are stripped from the bus in three situations; 1) bus under-voltage, 2) safety injection actuation, and 3) bus under-voltage coincident with safety injection actuation. In addition to the loads being stripped, the loads are also locked out and require operator action to reset the lockout prior to re-energizing the load. Table B.3-1 provides a listing of the breakers for the non-essential electrical loads on the 480 VAC and 4160 VAC buses that were screened via the under-voltage and lockout relay review.

MCC loads did not have a relay review based on the size of the electrical load. The K-2 A&B Instrument Air Compressors are exceptions because they are 100 Hp loads which would significantly affect diesel loading.

For the breakers listed in Table F.4-1, the X & Y coils (for the 4160 VAC breakers) and the X coil (for the 480 VAC breakers) were identified in the opening and closing circuits of the breaker. The X & Y coils are mounted in each breaker cubicle for the associated breaker and are considered seismically adequate based on the "switchgear rule-of-the-box".



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**TABLE F.4-1 NON-ESSENTIAL ELECTRICAL LOADS SCREENED  
 VIA UNDER-VOLTAGE AND LOCKOUT RELAY REVIEW**

|    | BUS         | BREAKER NUMBER | BREAKER DESCRIPTION                              | ELEMENTARY | UV TRIP | UV LOCKOUT | SI TRIP/LOCKOUT | UV/SI COINCIDENT TRIP |
|----|-------------|----------------|--|------------|---------|------------|-----------------|-----------------------|
| 1  | 1B-03       | 1B52-10B       | P-35A Fire Pump                                  | SH 371     | X       |            | X               |                       |
| 2  | 1B-03       | 1B52-12B       | PP14 Pzr Htr Backup Group C                      | SH 324     |         | X          | X               |                       |
| 3  | 1B-03       | 1B52-14C       | MCC 1B-31 Primary Auxiliary Building             | SH 357     | X       |            | X               |                       |
| 4  | 1B-03       | 1B52-15C       | Tie to Bus 1B-01                                 | SH 353     | X       |            | X               |                       |
| 5  | 1B-03       | 1B52-16C       | Tie to Bus 1B-04                                 | SH 354     | X       |            | X               |                       |
| 6  | 1B-04       | 1B52-18C       | Tie to Bus 1B-02                                 | SH 353     | X       |            | X               |                       |
| 7  | 1B-04       | 1B52-21B       | PP13 Pzr Htr Backup Group D                      | SH 324A    |         | X          | X               |                       |
| 8  | 1B-04       | 1B52-21C       | MCC B43 Primary Auxiliary Building Common Loads  | SH 357     | X       |            | X               |                       |
| 9  | 1B-04       | 1B52-22C       | PP12 Pzr Htr Control Group E                     | SH 323     | X       |            | X               |                       |
| 10 | 2B-03       | 2B52-33C       | Multi-Amp Feeder                                 | SH 371     | X       |            | X               |                       |
| 11 | 2B-03       | 2B52-36B       | PP19 Pzr Htr Backup Group C                      | SH 340A    |         | X          | X               |                       |
| 12 | 2B-03       | 2B52-37C       | MCC B-33 Primary Auxiliary Building Common Loads | SH 387     | X       |            | X               |                       |
| 13 | 2B-03       | 2B52-38C       | MCC 2B-31 Primary Auxiliary Building             | SH 387     | X       |            | X               |                       |
| 14 | 2B-03       | 2B52-39C       | Tie to Bus 2B-01                                 | SH 383     | X       |            | X               |                       |
| 15 | 2B-03       | 2B52-40C       | Tie to Bus 2B-04                                 | SH 384     | X       |            | X               |                       |
| 16 | 2B-04       | 2B52-26C       | Tie to Bus 2B-02                                 | SH 383     | X       |            | X               |                       |
| 17 | 2B-04       | 2B52-28C       | MCC B-21 South Service Building                  | SH 387     | X       |            | X               |                       |
| 18 | 2B-04       | 2B52-29B       | PP18 Pzr Htr Backup Group D                      | SH 340     |         | X          | X               |                       |
| 19 | 2B-04       | 2B52-30B       | Turbine Building Crane Z-14                      | SH 393     | X       |            | X               |                       |
| 20 | 2B-04       | 2B52-30C       | PP17 Pzr Htr Control Group E                     | SH 339     | X       |            | X               |                       |
| 21 | 1A-05       | 1A52-57        | Tie to Bus 1A-03                                 | SH 265     | X       |            | X               |                       |
| 22 | 1A-06 (old) | 1A52-63        | Tie to Bus 1A-04                                 | SH 265     | X       |            | X               |                       |
| 23 | 2A-05       | 2A52-76        | Tie to Bus 2A-03                                 | SH 295     | X       |            | X               |                       |
| 24 | 2A-06 (old) | 2A52-70        | Tie to Bus 2A-04                                 | SH 295     | X       |            | X               |                       |





F.5 WESTINGHOUSE MG-6 CHATTER ACCEPTABILITY IN ENGINEERED SAFEGUARDS SYSTEMS

The MG-6 relays in the Engineered Safeguards System are normally de-energized. The relays have both normally open and normally closed contact pairs. All of the normally closed contact pairs were found to be associated with annunciators and solenoid valves and therefore chatter acceptable. All of the MG-6 relays in the Engineered Safeguards System are considered to have a GERS capacity of 10 g based on the non-operate normally open contact pair.



F.6 SEISMIC CAPACITY OF THE WESTINGHOUSE CO-5 RELAY

The Westinghouse CO-5 relay is used in the applications listed in Table F.6-1 in the Emergency Diesel Generator and 4160 VAC breaker control circuits.

TABLE F.6-1

WESTINGHOUSE CO-5 OVER-CURRENT PROTECTION RELAYS

|    | RELAY ID   | SYSTEM/<br>COMPONENT | RELAY<br>CABINET ID |
|----|------------|----------------------|---------------------|
| 1  | 51/1A52-60 | DG/ 1A52-60          | 1A-05               |
| 2  | 51/1A52-66 | DG/ 1A52-66          | 1A-06               |
| 3  | 51/1A52-67 | DG/ 1A52-67          | 2A-06               |
| 4  | 51/1A52-73 | DG/ 1A52-73          | 2A-05               |
| 5  | 51A/G01    | DG/ G-01             | C-34                |
| 6  | 51A/G02    | DG/ G-02             | C-35                |
| 7  | 51B/G01    | DG/ G-01             | C-34                |
| 8  | 51B/G02    | DG/ G-02             | C-35                |
| 9  | 51C/G01    | DG/ G-01             | C-34                |
| 10 | 51C/G02    | DG/ G-02             | C-35                |

The CO-5 relay consists of a CO and an ICS unit. The CO unit is the only one required to be seismically screened for the relay functionality review. The capacity of the W CO-5 relay of 6 g's is used based on the capacity of the CO unit in the W COM-5 relay tested as part of test group 7 in EPRI NP-7147 Volume 2: Addendum 1 [6.13]. A comparison of the W COM-5, Style # 289B355A, documented in Westinghouse Instruction Leaflet (I.L.) 41-102 and the W CO-5, Style # 1875238 documented in W I.L. 41-101 was made. The units are identical and therefore are considered to have the same seismic capacity.