

COMBINED LICENSE
ENRICO FERMI NUCLEAR PLANT UNIT 3
DTE ELECTRIC COMPANY

Docket No. 52-033

License No. NPF-[XXX]

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for a combined license (COL) for Enrico Fermi Nuclear Plant Unit 3 (Fermi 3) filed by DTE Electric Company, acting on behalf of itself, herein referred to as "the Fermi owner," which incorporates by reference Appendix E to 10 CFR Part 52, complies with the applicable standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission regulations set forth in 10 CFR Chapter I, and all required notifications to other agencies or bodies have been duly made;
 - B. There is reasonable assurance that the facility will be constructed and will operate in conformity with the application, as amended, the provisions of the Act, and the Commission regulations set forth in 10 CFR Chapter I, except as exempted from compliance in Section 2.F below;
 - C. There is reasonable assurance (i) that the activities authorized by this COL can be conducted without endangering the health and safety of the public and (ii) that such activities will be conducted in compliance with the Commission regulations set forth in 10 CFR Chapter I, except as exempted from compliance in Section 2.F below;
 - D. DTE Electric Company is technically qualified to engage in the activities authorized by this license in accordance with the Commission regulations set forth in 10 CFR Chapter I.
 - I. The Fermi owner is financially qualified to engage in the activities authorized by this COL in accordance with the Commission regulations set forth in 10 CFR Chapter I;
 - E. The Fermi owner has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements;"
 - F. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public;
 - G. After weighing the environmental, economic, technical, and other benefits of the facility against environmental and other costs and considering reasonable available alternatives, the issuance of this license subject to the conditions for protection of the environment set forth herein is in accordance with Subpart A of 10 CFR Part 51 and all applicable requirements have been satisfied; and

- H. The receipt, possession, and use of source, byproduct, and special nuclear material as authorized by this license will be in accordance with the applicable regulations in 10 CFR Parts 30, 40, and 70.
2. On the basis of the foregoing findings regarding this facility, COL No. NPF-[XXX] is hereby issued to DTE Electric Company (the licensee), to read as follows:
- A. This COL applies to the Fermi Unit 3, a light-water nuclear reactor and associated equipment (the facility), owned by DTE Electric Company. The facility would be located on the existing Enrico Fermi Nuclear Plant; adjacent to existing Units 1 and 2 on the western end of Lake Erie, at Lagoon Beach in Frenchtown Township, Monroe County, Michigan; approximately 8 miles northeast of Monroe, Michigan; 30 miles southwest of Detroit, Michigan; and 25 miles northeast of Toledo, Ohio and is described in the licensee's final safety analysis report (FSAR), as supplemented and amended.
- B. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses:
- (1) (a) DTE Electric Company, pursuant to Sections 103 and 185b. of the Act and 10 CFR Part 52, to construct, possess, use, and operate the facility at the designated location in accordance with the procedures and limitations set forth in this license;
- (b) DTE Electric Company, pursuant to the Act and 10 CFR Part 52, to possess but not operate the facility at the designated location in Monroe County, Michigan, in accordance with the procedures and limitations set forth in this license;
- (2) (a) DTE Electric Company, pursuant to the Act and 10 CFR Part 70, to receive and possess at any time, special nuclear material as reactor fuel, in accordance with the limitations for storage and in amounts necessary for reactor operation, described in the FSAR, as supplemented and amended;
- (b) DTE Electric Company, pursuant to the Act and 10 CFR Part 70, to use special nuclear material as reactor fuel, after a Commission finding under 10 CFR 52.103(g) has been made, in accordance with the limitations for storage and in amounts necessary for reactor operation, described in the FSAR, as supplemented and amended;
- (3) (a) DTE Electric Company, pursuant to the Act and 10 CFR Parts 30 and 70, to receive, possess, and use, at any time before a Commission finding under 10 CFR 52.103(g), such byproduct and special nuclear material as sealed neutron sources for reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts, as necessary;
- (b) DTE Electric Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use, after a Commission finding under 10 CFR 52.103(g), any byproduct, source, and special nuclear material as sealed neutron sources for

reactor startup, sealed sources for reactor instrumentation and radiation monitoring equipment calibration, and as fission detectors in amounts as necessary;

- (4) (a) DTE Electric Company, pursuant to the Act and 10 CFR Parts 30 and 70, to receive, possess, and use, before a Commission finding under 10 CFR 52.103(g), in amounts not exceeding those specified in 10 CFR 30.35(d) and 10 CFR 70.25(d) required for establishing decommissioning financial assurance, any byproduct or special nuclear material that is (1) in unsealed form; (2) on foils or plated surfaces, or (3) sealed in glass, for sample analysis or instrument calibration or other activity associated with radioactive apparatus or components;

(b) DTE Electric Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to receive, possess, and use, after a Commission finding under 10 CFR 52.103(g), in amounts as necessary, any byproduct, source, or special nuclear material without restriction as to chemical or physical form, for sample analysis or instrument calibration or other activity associated with radioactive apparatus or components but not uranium hexafluoride; and

- (5) DTE Electric Company, pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.

C. The license is subject to, and the licensees shall comply with, all applicable provisions of the Act and the rules, regulations, and orders of the Commission, including the conditions set forth in 10 CFR Chapter I, now or hereafter in effect.

D. The license is subject to, and DTE Electric Company shall comply with, the conditions specified and incorporated below:

(1) Changes during Construction

(a) DTE Electric Company may request use of a preliminary acceptability review (PAR) process, for license amendments, at any time before a Commission finding under 10 CFR 52.103(g). To use the PAR process, DTE Electric Company shall submit a written request to the Office of New Reactors (NRO) in accordance with COL-ISG-025, "Changes during Construction under Part 52."

(b) Before NRO's issuance of a written PAR notification, DTE Electric Company shall submit the license amendment request (LAR). Thereafter, NRO will issue a written PAR notification, setting forth whether DTE Electric Company may proceed in accordance with the PAR, LAR, and COL-ISG-025. If DTE elects to proceed and the LAR is subsequently denied, DTE Electric Company shall return the facility to its current licensing basis.

(2) [RESERVED]

(3) Nuclear Fuel Loading and Pre-Critical Testing

(a) [RESERVED]

(b) Upon a Commission finding in accordance with 10 CFR 52.103(g) that all the acceptance criteria in the ITAAC in Appendix C to this license are met, DTE Electric Company is authorized to perform pre-critical tests in accordance with the conditions specified herein;

(c) DTE Electric Company shall perform the pre-critical tests identified in ESBWR DCD Rev. 10, Section 14.2.6 and 14.2.8.2;

(d) DTE Electric Company shall review and evaluate the results of the tests identified in Condition 2.D.(3)(c) of this license and confirm that these test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specified functions in accordance with ESBWR DCD Rev. 10, Section 14.2.8.2; and

(e) DTE Electric Company shall notify the Director of NRO, or the Director's designee, in writing, upon successful completion of the pre-critical tests identified in Condition 2.D. (3)(c) of this license.

(4) Initial Criticality and Low-Power Testing

(a) Upon submission of the notification required by Condition 2.D.(3)(e) of this license, DTE Electric Company is authorized to operate the facility at reactor steady-state core power levels not to exceed 5-percent thermal power in accordance with the conditions specified herein;

(b) DTE Electric Company shall perform:

1. the initial criticality and low-power tests identified in ESBWR DCD Rev. 10, Sections 14.2.6, "Initial Fuel Loading and Initial Criticality," 14.2.7, "Test Program Schedule and Sequence," tests and
2. the Reactor Pre Critical Heatup with Reactor Water Cleanup/Shutdown Cooling (RWCU/SDC) Natural Core Circulation Test (first of a kind test as identified in ESBWR DCD, Rev. 10, Section 14.2.8.2.35.1), and the Isolation Condenser Performance Test and Heatup and Steady State Operation Test (first of a kind test) as identified in ESBWR DCD Rev. 10, Sections 14.2.8.2.34 and 14.2.8.2.35.2.

(c) DTE Electric Company shall review and evaluate the results of the tests identified in:

1. Condition 2.D.(4)(b)1. of this license and confirm that these test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specified functions in accordance with ESBWR DCD Rev. 10, Section 14.2.6, 14.2.7, 14.2.8.2; and
2. Condition 2.D.(4)(b)2. of this license and confirm that these test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specified functions in accordance with ESBWR DCD Rev. 10, Section 14.2.8.2; and

(d) DTE Electric Company shall notify the Director of NRO, or the Director's designee, in writing, upon successful completion of initial criticality and low-power tests identified in Condition 2.D.(4)(b) of this license, including the design-specific tests identified therein.

(5) Power Ascension Testing

(a) Upon submission of the notification required by Condition 2.D.(4)(d) of this license, DTE Electric Company is authorized to operate the facility at reactor steady-state core power levels not to exceed 100-percent thermal power in accordance with the conditions specified herein, but only for the purpose of performing power ascension testing;

(b) DTE Electric Company shall perform:

1. the power ascension tests identified in the ESBWR DCD Rev. 10, Section 14.2.8.2 and Table 14.2-1; and
2. the design-specific startup tests identified below:
 - (i) Core Performance Test (first of a kind test as identified in ESBWR Design Control Document (DCD), Rev. 10, Section 14.2.8.2.7);
 - (ii) Power Maneuvering in the Feedwater (FW) Temperature Operation Domain Test (first of a kind test as identified in ESBWR DCD Rev. 10, Section 14.2.8.2.35.3);
 - (iii) Load Maneuvering Capability Test (first of a kind test as identified in ESBWR DCD Rev. 10, Section 14.2.8.2.35.4); and
 - (iv) Defense-In-Depth Stability Solution Evaluation Test (first of a kind plant test as identified in ESBWR DCD Rev. 10, Section 14.2.8.2.35.5).

(c) DTE Electric Company shall review and evaluate the results of the tests identified in:

1. Condition 2.D.(5)(b)1. of this license and confirm that these test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specified functions in accordance with ESBWR DCD Rev.10, Section 14.2.8.2; and
2. Condition 2.D.(5)(b)2. of this license and confirm that these test results are within the range of acceptable values predicted or otherwise confirm that the tested systems perform their specified functions in accordance with ESBWR DCD Rev. 10, Section 14.2.8.2; and

(d) DTE Electric Company shall notify the Director of NRO, or the Director's designee, in writing, upon successful completion of power ascension tests identified in Condition 2.D.(5)(b) of this license, including the design-specific tests identified therein.

(6) Maximum Power Level

Upon submission of the notification required by Condition 2.D.(5)(d) of this license, DTE Electric Company is authorized to operate the facility at steady state reactor core power levels not to exceed 4500 MW thermal (100-percent thermal power), as described in the FSAR, in accordance with the conditions specified herein.

(7) Reporting Requirements

- (a) Within 30 days of a change to the initial test program described in FSAR Section 14, Initial Test Program, made in accordance with 10 CFR 50.59 or in accordance with 10 CFR Part 52, Appendix E, Section VIII, "Processes for Changes and Departures," DTE Electric Company shall report the change to the Director of NRO, or the Director's designee, in accordance with 10 CFR 50.59(d).
- (b) DTE Electric Company shall report any violation of a requirement in Conditions 2.D.(3), 2.D.(4), 2.D.(5), and 2.D.(6) of this license within 24 hours. Initial notification shall be made to the NRC Operations Center in accordance with 10 CFR 50.72, with written follow up in accordance with 10 CFR 50.73.

(8) Incorporation

The Technical Specifications, Environmental Protection Plan, and ITAAC in Appendices A, B, and C, respectively, of this license are hereby incorporated into this license.

(9) Technical Specifications

The technical specifications in Appendix A to this license become effective upon a Commission finding that the acceptance criteria in this license (ITAAC) are met in accordance with 10 CFR 52.103(g).

(10) Operational Program Implementation

- (a) Environmental Qualification Program implemented before initial fuel load;
- (b) Reactor Vessel Material Surveillance Program implemented before initial fuel load;
- (c) Preservice Testing Program implemented prior to initial fuel load;
- (d) Containment Leakage Rate Testing Program implemented before initial fuel load;
- (e) Fire Protection Program (for elements necessary to support receipt and storage of fuel) prior to initial receipt of fuel
 - 1. The fire protection measures in accordance with Regulatory Guide (RG) 1.189 for designated storage building areas (including adjacent fire areas that could affect the storage area) implemented before initial receipt of byproduct or special nuclear materials that are not fuel (excluding exempt quantities as described in 10 CFR 30.18);
 - 2. The fire protection measures in accordance with RG 1.189 for new fuel storage area (including adjacent fire areas that could affect the new fuel storage area) implemented before receipt of fuel onsite;
 - 3. Before receipt of fuel on site, a formal letter of agreement shall be in place with the local fire department specifying the arrangements in support of the Fire Protection Program;
 - 4. All fire protection program features implemented before initial fuel load;
- (f) Standard Radiological Effluent Controls implemented before initial fuel load;
- (g) Offsite Dose Calculation Manual implemented before initial fuel load;
- (h) Radiological Environmental Monitoring Program implemented before initial fuel load;
- (i) Process Control Program implemented before initial fuel load;

- (j) Radiation Protection Program (RPP) (including ALARA principle) or applicable portions as identified in FSAR Section 12.5 thereof:
 - 1. RPP features applicable to receipt of by-product, source, or special nuclear materials (excluding exempt quantities as described in 10 CFR 30.18) implemented before initial receipt of such materials;
 - 2. RPP features (including the ALARA principle) applicable to new fuel implemented before receipt of initial fuel on site;
 - 3. All other RPP features (including the ALARA principle) except for those applicable to control radioactive waste shipment implemented before initial fuel load; and
 - 4. RPP features (including the ALARA principle) applicable to radioactive waste shipment implemented before first shipment of radioactive waste;
- (k) Initial Test Program:
 - 1. Preoperational Test Program implemented 60 days before the first preoperational test;
 - 2. Startup Test Program implemented 60 days before initial fuel load;
- (l) Special Nuclear Material Control and Accounting Program implemented before initial receipt of special nuclear material; and
- (m) Special Nuclear Material Physical Protection Plan implemented before initial receipt of special nuclear material on site.

(11) Operational Program Implementation Schedule

No later than 12 months after issuance of the COL, DTE shall submit to the Director of NRO, or the Director's designee, a schedule for implementation of the operational programs listed in FSAR Table 13.4-201, including the associated estimated date for initial loading of fuel. The schedule shall be updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until all the operational programs listed in FSAR Table 13.4-201 have been fully implemented. This schedule shall also address:

- (a) The implementation of site specific Severe Accident Management Guidance, and
- (b) The spent fuel rack coupon monitoring program implementation.

(12) Site- and Unit-specific Conditions

(a) DTE Electric Company shall use tanks with a maximum capacity of 1000 gallons for the on-site storage of propane. No more than 1000 gallons of propane will be stored in any single location, and no storage location will be located closer than the minimum distance of 854 meters (2800 ft) from any safety-related structure and the Main Control Room.

(b) Steam Dryer Monitoring Plan

1. DTE Electric Company shall prepare a Steam Dryer Monitoring Plan (SDMP) and submit the SDMP to the NRC no later than 90 days before the scheduled date for initial fuel loading.
2. DTE Electric Company shall provide Power Ascension Test (PAT) procedures for steam dryer monitoring to the NRC resident inspectors at least 10 days before the scheduled date for initial fuel loading. The PAT procedures must include the following:
 - (i) Level 1 and Level 2 acceptance limits, as defined in Report NEDE-33313P (Revision 5, December 2013), for on-dryer strain gage and on-dryer accelerometer measurements to be used up to 100 percent power;
 - (ii) The power levels at which the steam dryer will be monitored (subject to Conditions 2.D.(12)(b)3. and 2.D.(12)(b)4. of this license) during power ascension, and the duration of monitoring at each power level;
 - (iii) A description of activities to be accomplished during monitoring at each power level;
 - (iv) Plant parameters to be monitored;
 - (v) A description of the actions to be taken if acceptance criteria are not satisfied; and
 - (vi) A description of the process for verification of the completion of commitments and planned actions specified in the PAT procedures.
3. DTE Electric Company shall complete the actions specified in Item 2 of the model license condition specified in paragraph (c) of Section 10.2, "Comprehensive Vibration Program Elements for a COL Applicant," in NEDE-33313P (Revision 5) between 65 and 75 percent thermal power.
4. DTE Electric Company shall measure, record, and evaluate pressures, strains, and accelerations from the steam dryer instrumentation at power

levels approximately 5 percent higher than the previous power level at which DTE Electric Company measured, recorded, and evaluated such parameters until 100 percent thermal power is reached. DTE Electric Company shall generate data trending and a projection of strain levels for each successive power level, including full power. DTE Electric Company shall use data trending analysis to assess whether the Level 1 or Level 2 acceptance limits would be exceeded at the next higher power level for which the PAT specifies monitoring. DTE Electric Company shall provide the data trending results and revised limit curves to the NRC project manager by facsimile or electronic transmission.

5. At each power level for which Conditions 2.D.(12)(b)3. and 2.D.(12)(b)4. of this license require steam dryer monitoring, DTE Electric Company shall measure and record pressure, strain, and acceleration responses over a range of plant conditions sufficient to confirm that loading and fatigue effects from normal variations in plant conditions at power levels up to and including 100 percent thermal power will not adversely affect the life of the dryer. DTE Electric Company shall include its evaluation of steam dryer performance during such variations in plant conditions, including during Power Maneuvering in the Feedwater Temperature Operating Domain testing, in the dryer structural response as part of the full stress analysis report described in Condition 2.D.(12)(b)9 of this license.
6. If a flow-induced resonance is identified at any power level at which Conditions 2.D.(12)(b)3. and 2.D.(12)(b)4. of this license require steam dryer monitoring, and the strains or vibrations exceed the pre-determined Level 1 or Level 2 limit curve, DTE Electric Company shall cease power ascension until completing the actions specified in Item 5 of the model license condition specified in paragraph (c) of Section 10.2 in NEDE-33313P (Revision 5) and the following:
 - (i) If a Level 1 limit curve is exceeded, DTE Electric Company shall reduce power to the last power level at which DTE Electric Company performed steam dryer monitoring pursuant to Conditions 2.D.(12)(b)3. and 2.D.(12)(b)4. of this license and at which the Level 1 limit curve was not exceeded. DTE Electric Company shall perform a stress analysis to develop a new Level 1 limit curve before increasing power to the next level at which Condition 2.D.(12)(b)4. of this license requires steam dryer monitoring.
 - (ii) If a Level 2 limit curve is exceeded, or if data trending indicates that a Level 1 limit curve may be challenged before the next power level at which Condition 2.D.(12)(b)4. of this license requires steam dryer monitoring is reached, DTE Electric Company shall evaluate the Level 1 and Level 2 limit curves and perform a stress analysis that demonstrates

that the stress acceptance limits are satisfied at the higher power level before power is increased.

7. DTE Electric Company shall determine end-to-end bias and uncertainties by comparing the predicted and measured strain or acceleration on the steam dryer at each power level at which DTE Electric Company performs steam dryer monitoring pursuant to Conditions 2.D.(12)(b)3. and 2.D.(12)(b)4. of this license and confirm the conservatism of the predicted dryer stress field. At each such power level, DTE Electric Company shall adjust the predicted strain and acceleration responses using the frequency-dependent end-to-end bias errors and uncertainty values. If any of the measured sensor data at that power level exceeds the adjusted predictions, DTE Electric Company shall either (a) modify the bias errors and uncertainty values and limit curves and ensure measured sensor responses do not exceed the adjusted predictions, or (b) quantitatively evaluate the effect on fatigue life.
8. At the initial power level at which Condition 2.D.(12)(b)3. of this license requires steam dryer monitoring and at approximately 85 and 95 percent power, DTE Electric Company shall provide the steam dryer data analysis and results to the NRC project manager by facsimile or electronic transmission; and shall not exceed the power level at which it performed the steam dryer monitoring for at least 72 hours after the NRC project manager has confirmed receipt of the transmission.
9. DTE Electric Company shall provide data collected from the steam dryer monitoring required by Condition 2.D.(12)(b)4. of this license at 100 percent power to the NRC project manager by facsimile or electronic transmission within 72 hours of completing the collection of that data, with receipt confirmation from the NRC project manager. DTE Electric Company shall submit a full stress analysis report and evaluation to the NRC document control desk in accordance with 10 CFR 52.4 within 90 days of first reaching 100 percent thermal power. The report must include the minimum stress ratio and the final dryer load definition using steam dryer data, and associated bias errors and uncertainties, and must demonstrate that the steam dryer will maintain its structural integrity over its design life considering variations in plant parameters, including, but not limited to, reactor pressure and core flow rate. If the structural integrity of the steam dryer for the full plant life is not demonstrated by the stress analysis, DTE Electric Company shall describe its compensatory actions, such as future dryer replacement, in the stress analysis report.
10. DTE Electric Company shall implement a periodic steam dryer inspection program as follows:

- (i) During the first two refueling outages after first reaching 100 percent thermal power, DTE Electric Company shall perform a visual inspection of all accessible areas and susceptible locations of the steam dryer in accordance with industry guidance on steam dryer inspections in the latest NRC staff-approved version of BWRVIP-139-A, "BWR Vessel and Internals Project, Steam Dryer Inspection and Flaw Evaluation Guidelines," with any conditions or limitations specified in the NRC staff approval. The results of these baseline inspections shall be submitted to the NRC within 60 days following startup after each outage.
 - (ii) At the end of the second refueling outage after reaching 100 percent thermal power, DTE Electric Company shall update the Steam Dryer Monitoring Program to include a long-term inspection plan based on plant-specific and industry operating experience, and shall submit the updated program to the NRC within 180 days following startup from the second refueling outage.
- (c) No later than 180 days before the date scheduled for initial fuel load as set forth in the notification submitted in accordance with 10 CFR 52.103(a), DTE Electric Company shall submit to the Director, or the Director's designee, in writing, a fully developed set of site-specific emergency action levels (EALs) for Fermi Unit 3 in accordance with Nuclear Energy Institute (NEI) 07-01, "Methodology for Development of Emergency Action Levels Advanced Passive Light Water Reactors," Revision 0, with no deviations.
- (d) DTE Electric Company shall conduct a detailed analysis of on-shift staffing, in accordance with the NRC endorsed version of NEI 10-05, "Assessment of On-Shift Emergency Response Organization Staffing and Capabilities," Revision 0, and DTE Electric Company shall incorporate any changes to the Emergency Plan needed to bring staffing to the required levels, prior to or concurrent with completion of EP ITAAC 2.0 of EP ITAAC Table 2.3.1.
- (e) Before initial fuel load, DTE Electric Company shall:
 - 1. Implement a surveillance program for explosively actuated valves (squib valves) in the Gravity Driven Cooling System and the Automatic Depressurization System at Fermi 3 that includes the following provisions in addition to the requirements specified in the ASME *Code for Operation and Maintenance of Nuclear Power Plants* (OM Code) as incorporated by reference in 10 CFR 50.55a. (Section 3.9 Mechanical Systems and Components)
 - (i) Preservice Testing

All explosively actuated valves shall be preservice tested by verifying the operational readiness of the actuation logic and associated electrical circuits for each explosively actuated valve with its pyrotechnic charge removed from the valve. This must include confirmation that sufficient electrical parameters (voltage, current, resistance) are available at the explosively actuated valve from each circuit that is relied upon to actuate the valve. In addition, a sample of at least 20 percent of the pyrotechnic charges in all explosively actuated valves shall be tested in the valve or a qualified test fixture to confirm the capability of each sampled pyrotechnic charge to provide the necessary motive force to operate the valve to perform its intended function without damage to the valve body or connected piping. The sampling must select at least one explosively actuated valve from each redundant safety train. Corrective action shall be taken to resolve any deficiencies identified in the operational readiness of the actuation logic or associated electrical circuits, or the capability of a pyrotechnic charge. If a charge fails to fire or its capability is not confirmed, all charges with the same batch number shall be removed, discarded, and replaced with charges from a different batch number that has demonstrated successful 20 percent sampling of the charges.

(ii) Operational Surveillance

Explosively actuated valves shall be subject to the following surveillance activities after commencing plant operation:

- a. At least once every 2 years, each explosively actuated valve shall undergo visual external examination and remote internal examination (including evaluation and removal of fluids or contaminants that may interfere with operation of the valve) to verify the operational readiness of the valve and its actuator. This examination shall also verify the appropriate position of the internal actuating mechanism and proper operation of remote position indicators. Corrective action shall be taken to resolve any deficiencies identified during the examination with post-maintenance testing conducted that satisfies the PST requirements.
- b. At least once every 10 years, each explosively actuated valve shall be disassembled for internal examination of the valve and actuator to verify the operational readiness of the valve assembly and the integrity of individual components and to remove any foreign material, fluid, or corrosion. The examination schedule shall provide for each valve design used for explosively actuated valves at the facility to be included among the explosively actuated valves to be disassembled and examined every 2 years. Corrective action shall be taken to

resolve any deficiencies identified during the examination with post-maintenance testing conducted that satisfies the PST requirements.

- c. For explosively actuated valves selected for test sampling every 2 years in accordance with the ASME OM Code, the operational readiness of the actuation logic and associated electrical circuits shall be verified for each sampled explosively actuated valve following removal of its charge. This must include confirmation that sufficient electrical parameters (voltage, current, resistance) are available for each valve actuation circuit. Corrective action shall be taken to resolve any deficiencies identified in the actuation logic or associated electrical circuits.
- d. For explosively actuated valves selected for test sampling every 2 years in accordance with the ASME OM Code, the sampling must select at least one explosively actuated valve from each redundant safety train. Each sampled pyrotechnic charge shall be tested in the valve or a qualified test fixture to confirm the capability of the charge to provide the necessary motive force to operate the valve to perform its intended function without damage to the valve body or connected piping. Corrective action shall be taken to resolve any deficiencies identified in the capability of a pyrotechnic charge in accordance with the PST requirements.

This license condition shall expire upon (1) incorporation of the above surveillance provisions for explosively actuated valves into the facility's inservice testing program, or (2) incorporation of inservice testing requirements for explosively actuated valves in new reactors (i.e., plants receiving a construction permit, or COL for construction and operation, after January 1, 2000) to be specified in a future edition of the ASME OM Code as incorporated by reference in 10 CFR 50.55a, including any conditions imposed by the NRC, into the facility's inservice testing program.

- (f) DTE Electric Company shall perform detailed geologic mapping of excavations for safety related structures; examine and evaluate geologic features discovered in these excavations; and shall notify the Director of NRO, or the Director's designee, in writing, once excavations for these safety related structures are open for examination.

(g) Mitigation Strategies for Beyond-Design-Basis External Events

1. DTE Electric Company shall complete development of an overall integrated plan of strategies to mitigate a beyond-design-basis external event at least 1 year before the completion of the last ITAAC on the schedule required by 10 CFR 52.99(a).
2. The overall integrated plan required by this condition must include guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities. The overall integrated plan must include provisions to ensure that all accident mitigation procedures and guidelines (including the guidance and strategies required by this section, emergency operating procedures, abnormal operating procedures, and extensive damage management guidelines) are coherent and comprehensive.
3. The guidance and strategies required by this condition must be capable of (i) mitigating a simultaneous loss of all alternating current (ac) power, both from the onsite and offsite power systems, and loss of normal access to the normal heat sink and (ii) providing for adequate capacity to perform the functions upon which the guidance and strategies rely for all units on the Fermi site and in all modes at each unit on the site.
4. Before initial fuel load, DTE Electric Company shall fully implement the guidance and strategies required by this condition, including:
 - (i) Procedures;
 - (ii) Training;
 - (iii) Acquisition, staging, or installation of equipment and consumables relied upon in the strategies; and
 - (iv) Configuration controls and provisions for maintenance and testing (including testing procedures and frequencies for preventative maintenance) of the equipment upon which the strategies and guidance required by this condition rely.
5. The training required by Condition 2.D.(12)(g)4.(ii) of this license must use a Systematic Approach to Training (SAT) to evaluate training for station personnel, and must be based upon plant equipment and procedures upon which the guidance and strategies required by this Condition rely.
6. DTE Electric Company shall maintain the guidance and strategies described in the application upon issuance of the license, and the integrated plan of

strategies upon its completion as required by Condition 2.D.(12)(g)(1) of this license. DTE Electric Company may change the strategies and guidelines required by this Condition provided that DTE Electric Company evaluates each such change to ensure that the provisions of Conditions 2.D.(12)(g)(2) and 2.D.(12)(g)(3) of this license continue to be satisfied and DTE Electric Company documents the evaluation in an auditable form.

(h) Reliable Spent Fuel Pool/Buffer Pool Level Instrumentation

Prior to initial fuel load, DTE Electric Company shall address the following requirements using the guidance contained in JLD-ISG-2012-03, "Compliance with Order EA-2012-051, Reliable Spent Fuel Pool Instrumentation," Revision 0:

The spent fuel pool/buffer pool instrumentation shall be maintained available and reliable through the development and implementation of a training program. The training program shall include provisions to ensure trained personnel can route the temporary power lines from the alternate power source to the appropriate connection points, and connect the alternate power source to the safety-related level instrument channels.

(i) Emergency Planning Actions

1. Communications

- (i) At least 18 months prior to the latest date set forth in the schedule for completing the inspections, test, and analyses in the ITAAC schedule submitted in accordance with 10 CFR 52.99(a), DTE Electric Company shall have performed an assessment of on-site and offsite communications systems and equipment required during an emergency event to ensure communications capabilities can be maintained during prolonged station blackout conditions. The communications capability assessment shall be performed in accordance with NEI 12-01, "Guidance for Assessing Beyond Design Basis Accident Response Staffing and Communications Capabilities," Revision 0.
- (ii) At least one hundred (180) days before the date scheduled for initial fuel load as set forth in the notification submitted in accordance with 10 CFR 52.103(a), DTE Electric Company shall complete implementation corrective actions identified in the communications capability assessment described above, including any related emergency plan and implementing procedure changes and associated training.

2. Staffing

- (i) At least 18 months prior to the latest date set forth in the schedule for completing the inspections, tests, and analyses in the ITAAC schedule submitted in accordance with 10 CFR 52.99(a), DTE Electric Company shall have performed assessments of the on-site and augmented staffing capability to satisfy the regulatory requirements for response to a multi-unit event. The staffing assessments will be performed in accordance with NEI 12-01, "Guideline for Assessing Beyond Design Basis Accident Response Staffing and Communications Capabilities," Revision 0.
- (ii) At least 180 days before the date scheduled for initial fuel load set forth in the notification submitted in accordance with 10 CFR 52.103(a), DTE Electric Company shall revise the Emergency Plan to include the following:
 - a. Incorporation of corrective actions identified in the staffing assessment in Condition 2.D.(12)(i)1.(i) of this license.
 - b. Identification of how the augmented staffing will be notified given degraded communications capabilities.
- (j) Prior to initial fuel load, DTE Electric Company shall execute formal Letters of Agreement with the following State and local agencies with emergency planning responsibilities:
 - 1. Michigan State Police
 - 2. Monroe County Emergency Management Division
 - 3. Wayne County Department of Homeland Security & Emergency Management
 - 4. Frenchtown Charter Township Fire Department
 - 5. Mercy Memorial Hospital Corporation
 - 6. Monroe Community Ambulance
 - 7. Oakwood Southshore Medical Center
 - 8. Ohio Emergency Management Agency
 - 9. Monroe County Community College

These Letters of Agreement shall identify the specific nature of arrangements in support of emergency preparedness for operation of Fermi Unit 3. The Emergency Plan shall be revised to include these Letters of Agreement after they have been executed.

E. DTE Electric Company shall have and maintain financial protection of such type and in such amounts as the Commission shall require in accordance with Section 170 of the Atomic Energy Act of 1954, as amended, to cover public liability claims.

F. Exemptions

(1) The following exemption from the regulations was granted in the rulemaking for the design certification rule that is referenced in the application. In accordance with 10 CFR Part 52, Appendix E, Section V, Applicable Regulations, Subsection B, and pursuant to 10 CFR 52.63(a)(5), the licensee is exempt from the regulation in Paragraph (f)(2)(iv) of 10 CFR 50.34—Plant Safety Parameter Display Console, as discussed in Section 18.8.3.2 of the ESBWR FSER.

(2) For the reasons set forth below, the following specific exemption which is outside the scope of the design certification rule referenced in the application is granted:

DTE Electric Company is exempt from the requirements of 10 CFR 70.22(b), 10 CFR 70.32(c), 10 CFR 74.31, 10 CFR 74.41, and 10 CFR 74.51 because DTE Electric Company meets the requirements of 10 CFR 70.17 and 74.7, as discussed in Section 1.4.4 of the SER. The exemption meets the requirements of 52.7 because it is authorized by law, will not present an undue risk to the public health or safety, and is consistent with the common defense and security. Additionally, special circumstances are present in that the application of the regulations in this particular circumstance is not necessary to achieve the underlying purpose of the rule (10 CFR 50.12(a)(2)(ii)) as described in the FSAR and the staff SER dated XXX.

G. DTE Electric Company shall maintain the guidance and strategies developed in accordance with 10 CFR 50.54(hh)(2).

H. This license is effective as of [*insert actual date of license issuance*] and shall expire at midnight on the date 40 years from the date that the Commission finds that the acceptance criteria in the combined license are met in accordance with 10 CFR 52.103(g).

FOR THE NUCLEAR REGULATORY
COMMISSION

December 4, 2014draft

Glenn M. Tracy, Director
Office of New Reactors

Appendices:

Appendix A – Technical Specifications

Appendix B – Environmental Protection Plan

Appendix C – Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)

DRAFT

APPENDIX A

ENRICO FERMI NUCLEAR PLANT UNIT 3

TECHNICAL SPECIFICATIONS

The unit-specific technical specifications from the Fermi COL Application, Part 4, will be included in Appendix A of the Fermi Unit 3 combined license. The unit-specific technical specifications from the Fermi COL application, Part 4, will be included in Appendix A of the Fermi Unit 3 combined license. These technical specifications will exceed 800 pages. Therefore, for ease of handling, the technical specifications are not included in this draft combined license, but can be viewed on the NRC's website at <http://www.nrc.gov/reactors/new-reactors/col/fermi/documents.html#application>

APPENDIX B
TO FACILITY OPERATING LICENSE NO. [XXX-XX]
ENRICO FERMI NUCLEAR PLANT UNIT 3
DTE ELECTRIC COMPANY
DOCKET NO. 52-033
ENVIRONMENTAL PROTECTION PLAN
(NONRADIOLOGICAL)
[DATE]

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1.0 Objective of the Environmental Protection Plan

The Environmental Protection Plan (EPP) objective is to ensure compliance with Biological Opinions issued pursuant to the Endangered Species Act of 1973, as amended (ESA), and to ensure that the Commission is kept informed of other environmental matters. The EPP is intended to be consistent with Federal, state, and local requirements for environmental protection.

2.0 Environmental Protection Issues

In the Final Environmental Impact Statement (FEIS) dated January 2013, the staff considered the environmental impacts associated with the construction and operation of Enrico Fermi Nuclear Plant Unit No. 3. This EPP applies to the licensee's actions affecting the protected environmental resources evaluated in the FEIS and the licensee's actions that may affect any newly discovered protected environmental resources.

2.1 Aquatic Resources Issues

Federal agencies other than the U.S. Nuclear Regulatory Commission (NRC), such as the U.S. Environmental Protection Agency (EPA) and the U.S. Army Corps of Engineers (ACE), have jurisdiction to regulate aquatic resources under the Federal Water Pollution Control Act (Clean Water Act or CWA) and the Rivers and Harbors Appropriation Act of 1899 (RHA). Water quality environmental concerns identified in the FEIS including effluent limitations, monitoring requirements, and mitigation measures are regulated under the licensee's CWA permits, such as National Pollutant Discharge Elimination System (NPDES) and Section 404 permits, and RHA Section 10 permit. Nothing within this EPP shall be construed to place additional requirements on the regulation of aquatic resources except the imposition of the requirements in a Biological Opinion under the ESA (see section 2.3). The licensee is required to inform the NRC of events or situations concerning aquatic resources pursuant to 10 CFR 50.72(b)(2)(xi), and this EPP does not expand any reporting requirement required by that regulation.

2.2 Terrestrial Resources Issues

Several statutes govern the regulation of terrestrial resources. For example, the U.S. Fish and Wildlife Service (FWS) regulates matters involving migratory birds and their nests in accordance with the Migratory Bird Treaty Act. Activities affecting migratory birds or their nests may require permits under the Migratory Bird Treaty Act. The FWS also regulates matters involving the protection and taking of bald and golden eagles in accordance with the Bald and Golden Eagle Protection Acts. The licensee shall inform NRC of any events or situations concerning terrestrial resources pursuant to 10 CFR 50.72(b)(2)(xi), and this EPP does not expand any reporting requirement required by that regulation.

2.3 Endangered Species Act of 1973

The NRC may be required to protect some aquatic resources and terrestrial resources in accordance with the ESA. If a Biological Opinion is issued to the NRC in accordance with ESA Section 7 prior to the issuance of the combined license, the licensee shall comply with the Terms and Conditions set forth in the Incidental Take Statement of the Biological Opinion. If any Federally listed species or critical habitat occurs in an area affected by construction or operation of the plant that was not previously identified as occurring in such areas, including species and critical habitat that were not previously Federally listed, the licensee shall inform the NRC within four hours of discovery. Similarly, the licensee shall inform the NRC within four hours of discovery of any take, as defined in the ESA, of a Federally listed species or destruction or adverse modification of critical habitat. These notifications shall be made to the NRC Operations Center via the Emergency Notification System. The licensee shall provide any necessary information to the NRC if the NRC initiates or reinitiates consultation under the ESA.

Unusual Event - The licensee shall inform the NRC of any onsite mortality, injury, or unusual occurrence of any species protected by the ESA within four hours of discovery, followed by a written report in accordance with Section 4.1. The time of discovery is identified as the specific time when a decision is made to notify another agency or to issue a press release. Such incidents shall be reported regardless of the licensee's assessment of causal relation to plant construction or operation.

3.0 Consistency Requirements

The licensee shall notify the NRC of proposed changes to permits or certifications concerning aquatic or terrestrial resources by providing the NRC with a copy of the proposed change at the same time it is submitted to the permitting agency. The licensee shall provide the NRC with a copy of the application for renewal of permits or certifications at the same time the application is submitted to the permitting agency.

Changes to or renewals of permits or certifications shall be reported to the NRC within 30 days following the later of the date the change or renewal is approved or the date the change becomes effective. If a permit or certification, in part or in its entirety, is appealed and stayed, the NRC shall be notified within 30 days following the date the stay is granted.

4.0 Administrative Procedures

4.1 Plant Reporting Requirements: Non-routine Reports

A written report shall be submitted to the NRC within 30 days of occurrence of any unusual event described in Section 2.3 of this EPP. The report shall (a) describe, analyze, and evaluate the event, including extent and magnitude of the impact and plant operating characteristics at the time of the event, (b) describe the probable cause of the event, (c) indicate the action taken to correct the reported event, (d) indicate the corrective action taken to preclude repetition of the event and to prevent similar occurrences involving similar components or systems, and (e) indicate the agencies notified and their preliminary responses.

Events reportable under this subsection, which also require reports to other Federal, state, or local agencies, shall be reported in accordance with those reporting requirements in lieu of the requirements of this subsection. The NRC shall be provided a copy of such report at the same time it is submitted to the other agency.

4.2 Review and Audit

The licensee shall provide for review and audit of compliance with Section 2.3 of the EPP. The audits shall be conducted independently of the individual or groups responsible for performing the specific activity. A description of the organizational structure utilized to achieve the independent review and audit function and results of the audit activities shall be maintained and made available for inspection.

4.3 Records Retention

Records required by this EPP shall be made and retained in a manner convenient for review and inspection. These records shall be made available to the NRC on request. The records, data, and logs relating to this EPP shall be retained for five years or, where applicable, in accordance with the requirements of other agencies.

4.4 Changes in Environmental Protection Plan

A request for a change in the EPP shall include an assessment of the environmental impact of the proposed change and a supporting justification. Implementation of such changes in the EPP shall not commence prior to NRC approval of the proposed changes in the form of a license amendment incorporating the appropriate revision to the EPP.

The licensee shall request a license amendment to incorporate the requirements of any Terms and Conditions set forth in the Incidental Take Statement of Biological Opinions issued subsequent to the effective date of this EPP.

APPENDIX C

ENRICO FERMİ NUCLEAR PLANT UNIT 3

INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA (ITAAC)

The ITAAC Master List is a table of unit-specific ITAAC, which are from the DCD and the Fermi COL. The consolidated set of unit-specific ITAAC will be included in Appendix C of the Fermi Unit 3 combined license. These unit-specific ITAAC details will exceed 170 pages. Therefore, for ease of handling, the ITAAC details are not included in this draft combined license, but can be viewed on the NRC's website at the following URLs:

- COL Application Part 10, Rev. 5 – <http://www.nrc.gov/reactors/new-reactors/col/fermi/documents.html#application>
- GE-Hitachi ESBWR DCD, Rev. 10 – <http://pbadupws.nrc.gov/docs/ML1410/ML14104A929.html>

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275	2.2.15.05b.06		DCD10
276	2.2.15.05b.07		DCD10
277	2.2.15.06a.01		DCD10
278	2.2.15.06a.02		DCD10
279	2.2.15.06a.03		DCD10
280	2.2.15.06a.04		DCD10
281	2.2.15.06a.05		DCD10
282	2.2.15.06a.06		DCD10
283	2.2.15.06a.07		DCD10
284	2.2.15.06b.01		DCD10
285	2.2.15.06b.02		DCD10
286	2.2.15.06b.03		DCD10
287	2.2.15.06b.04		DCD10
288	2.2.15.06b.05		DCD10
289	2.2.15.06b.06		DCD10
290	2.2.15.06b.07		DCD10
291	2.2.15.07a.01		DCD10
292	2.2.15.07a.02		DCD10
293	2.2.15.07a.03		DCD10
294	2.2.15.07a.04		DCD10
295	2.2.15.07a.05		DCD10
296	2.2.15.07a.06		DCD10
297	2.2.15.07a.07		DCD10
298	2.2.15.07b.01		DCD10
299	2.2.15.07b.02		DCD10
300	2.2.15.07b.03		DCD10
301	2.2.15.07b.04		DCD10
302	2.2.15.07b.05		DCD10
303	2.2.15.07b.06		DCD10
304	2.2.15.07b.07		DCD10
305	2.2.15.08a.01		DCD10
306	2.2.15.08a.02		DCD10
307	2.2.15.08a.03		DCD10
308	2.2.15.08a.04		DCD10
309	2.2.15.08a.05		DCD10
310	2.2.15.08a.06		DCD10
311	2.2.15.08a.07		DCD10
312	2.2.15.08b.01		DCD10
313	2.2.15.08b.02		DCD10
314	2.2.15.08b.03		DCD10
315	2.2.15.08b.04		DCD10
316	2.2.15.08b.05		DCD10
317	2.2.15.08b.06		DCD10

318	2.2.15.08b.07	Instrumentation and Controls Compliance With IEEE Std. 603 (cont'd.)	DCD10
319	2.2.15.09a.01		DCD10
320	2.2.15.09a.02		DCD10
321	2.2.15.09a.03		DCD10
322	2.2.15.09a.04		DCD10
323	2.2.15.09a.05		DCD10
324	2.2.15.09a.06		DCD10
325	2.2.15.09a.07		DCD10
326	2.2.15.09b.01		DCD10
327	2.2.15.09b.02		DCD10
328	2.2.15.09b.03		DCD10
329	2.2.15.09b.04		DCD10
330	2.2.15.09b.05		DCD10
331	2.2.15.09b.06		DCD10
332	2.2.15.09b.07		DCD10
333	2.2.15.10a.01.01		DCD10
334	2.2.15.10a.01.02		DCD10
335	2.2.15.10a.01.03		DCD10
336	2.2.15.10a.01.04		DCD10
337	2.2.15.10a.01.05		DCD10
338	2.2.15.10a.01.06		DCD10
339	2.2.15.10a.01.07		DCD10
340	2.2.15.10a.02.01		DCD10
341	2.2.15.10a.02.02		DCD10
342	2.2.15.10a.02.03		DCD10
343	2.2.15.10a.02.04		DCD10
344	2.2.15.10a.02.05		DCD10
345	2.2.15.10a.02.06		DCD10
346	2.2.15.10a.02.07		DCD10
347	2.2.15.10b.01.01		DCD10
348	2.2.15.10b.01.02		DCD10
349	2.2.15.10b.01.03		DCD10
350	2.2.15.10b.01.04		DCD10
351	2.2.15.10b.01.05		DCD10
352	2.2.15.10b.01.06		DCD10
353	2.2.15.10b.01.07		DCD10
354	2.2.15.10b.02.01		DCD10
355	2.2.15.10b.02.02		DCD10
356	2.2.15.10b.02.03		DCD10
357	2.2.15.10b.02.04		DCD10
358	2.2.15.10b.02.05		DCD10
359	2.2.15.10b.02.06		DCD10
360	2.2.15.10b.02.07		DCD10
361	2.2.15.11a.01.01		DCD10
362	2.2.15.11a.01.02		DCD10
363	2.2.15.11a.01.03		DCD10
364	2.2.15.11a.01.04		DCD10
365	2.2.15.11a.01.05		DCD10
366	2.2.15.11a.01.06		DCD10

367	2.2.15.11a.01.07	Instrumentation and Controls Compliance With IEEE Std. 603 (cont'd.)	DCD10
368	2.2.15.11a.02.01		DCD10
369	2.2.15.11a.02.02		DCD10
370	2.2.15.11a.02.03		DCD10
371	2.2.15.11a.02.04		DCD10
372	2.2.15.11a.02.05		DCD10
373	2.2.15.11a.02.06		DCD10
374	2.2.15.11a.02.07		DCD10
375	2.2.15.11a.03.01		DCD10
376	2.2.15.11a.03.02		DCD10
377	2.2.15.11a.03.03		DCD10
378	2.2.15.11a.03.04		DCD10
379	2.2.15.11a.03.05		DCD10
380	2.2.15.11a.03.06		DCD10
381	2.2.15.11a.03.07		DCD10
382	2.2.15.11a.04.01		DCD10
383	2.2.15.11a.04.02		DCD10
384	2.2.15.11a.05.01		DCD10
385	2.2.15.11a.05.02		DCD10
386	2.2.15.11a.06.01		DCD10
387	2.2.15.11a.06.02		DCD10
388	2.2.15.11a.07.03		DCD10
389	2.2.15.11a.07.02		DCD10
390	2.2.15.11a.08.03		DCD10
391	2.2.15.11a.09.03		DCD10
392	2.2.15.11a.10.03		DCD10
393	2.2.15.11a.11.04		DCD10
394	2.2.15.11a.11.05		DCD10
395	2.2.15.11a.11.06		DCD10
396	2.2.15.11a.11.07		DCD10
397	2.2.15.11a.12.04		DCD10
398	2.2.15.11a.12.05		DCD10
399	2.2.15.11a.12.06		DCD10
400	2.2.15.11a.12.07		DCD10
401	2.2.15.11b.01.01		DCD10
402	2.2.15.11b.01.02		DCD10
403	2.2.15.11b.01.03		DCD10
404	2.2.15.11b.01.04		DCD10
405	2.2.15.11b.01.05		DCD10
406	2.2.15.11b.01.06		DCD10
407	2.2.15.11b.01.07		DCD10
408	2.2.15.11b.02.01		DCD10
409	2.2.15.11b.02.02		DCD10
410	2.2.15.11b.02.03		DCD10
411	2.2.15.11b.02.04		DCD10
412	2.2.15.11b.02.05		DCD10
413	2.2.15.11b.02.06		DCD10
414	2.2.15.11b.02.07		DCD10
415	2.2.15.11b.03.01		DCD10

416	2.2.15.11b.03.02	Instrumentation and Controls Compliance With IEEE Std. 603 (cont'd.)	DCD10
417	2.2.15.11b.03.03		DCD10
418	2.2.15.11b.03.04		DCD10
419	2.2.15.11b.03.05		DCD10
420	2.2.15.11b.03.06		DCD10
421	2.2.15.11b.03.07		DCD10
422	2.2.15.11b.04.01		DCD10
423	2.2.15.11b.04.02		DCD10
424	2.2.15.11b.05.01		DCD10
425	2.2.15.11b.05.02		DCD10
426	2.2.15.11b.06.01		DCD10
427	2.2.15.11b.06.02		DCD10
428	2.2.15.11b.07.03		DCD10
429	2.2.15.11b.08.03		DCD10
430	2.2.15.11b.09.03		DCD10
431	2.2.15.11b.10.03		DCD10
432	2.2.15.11b.11.04		DCD10
433	2.2.15.11b.11.05		DCD10
434	2.2.15.11b.11.06		DCD10
435	2.2.15.11b.11.07		DCD10
436	2.2.15.11b.12.04		DCD10
437	2.2.15.11b.12.05		DCD10
438	2.2.15.11b.12.06		DCD10
439	2.2.15.11b.12.07		DCD10
440	2.2.15.12a.01		DCD10
441	2.2.15.12a.02		DCD10
442	2.2.15.12a.03		DCD10
443	2.2.15.12a.04		DCD10
444	2.2.15.12a.05		DCD10
445	2.2.15.12a.06		DCD10
446	2.2.15.12a.07		DCD10
447	2.2.15.12b.01.01		DCD10
448	2.2.15.12b.01.02		DCD10
449	2.2.15.12b.01.03		DCD10
450	2.2.15.12b.01.04		DCD10
451	2.2.15.12b.01.05		DCD10
452	2.2.15.12b.01.06		DCD10
453	2.2.15.12b.01.07		DCD10
454	2.2.15.12b.02.01		DCD10
455	2.2.15.12b.02.02		DCD10
456	2.2.15.12b.02.03		DCD10
457	2.2.15.12b.02.04		DCD10
458	2.2.15.12b.02.05		DCD10
459	2.2.15.12b.02.06		DCD10
460	2.2.15.12b.02.07		DCD10
461	2.2.15.13a.01		DCD10
462	2.2.15.13a.02		DCD10
463	2.2.15.13a.03		DCD10
464	2.2.15.13a.04		DCD10

465	2.2.15.13a.05	Instrumentation and Controls Compliance With IEEE Std. 603 (cont'd.)	DCD10
466	2.2.15.13a.06		DCD10
467	2.2.15.13a.07		DCD10
468	2.2.15.13b.01		DCD10
469	2.2.15.13b.02		DCD10
470	2.2.15.13b.03		DCD10
471	2.2.15.13b.04		DCD10
472	2.2.15.13b.05		DCD10
473	2.2.15.13b.06		DCD10
474	2.2.15.13b.07		DCD10
475	2.2.15.14a.01		DCD10
476	2.2.15.14a.02		DCD10
477	2.2.15.14a.03		DCD10
478	2.2.15.14a.04		DCD10
479	2.2.15.14a.05		DCD10
480	2.2.15.14a.06		DCD10
481	2.2.15.14a.07		DCD10
482	2.2.15.14b.01		DCD10
483	2.2.15.14b.02		DCD10
484	2.2.15.14b.03		DCD10
485	2.2.15.14b.04		DCD10
486	2.2.15.14b.05		DCD10
487	2.2.15.14b.06		DCD10
488	2.2.15.14b.07		DCD10
489	2.2.15.15a.01		DCD10
490	2.2.15.15a.02		DCD10
491	2.2.15.15a.03		DCD10
492	2.2.15.15a.04		DCD10
493	2.2.15.15a.05		DCD10
494	2.2.15.15a.06		DCD10
495	2.2.15.15a.07		DCD10
496	2.2.15.15b.01		DCD10
497	2.2.15.15b.02		DCD10
498	2.2.15.15b.03		DCD10
499	2.2.15.15b.04		DCD10
500	2.2.15.15b.05		DCD10
501	2.2.15.15b.06		DCD10
502	2.2.15.15b.07		DCD10
503	2.2.15.16a.01		DCD10
504	2.2.15.16a.02		DCD10
505	2.2.15.16a.03		DCD10
506	2.2.15.16a.04		DCD10
507	2.2.15.16a.05		DCD10
508	2.2.15.16a.06		DCD10
509	2.2.15.16a.07		DCD10
510	2.2.15.16b.01		DCD10
511	2.2.15.16b.02		DCD10
512	2.2.15.16b.03		DCD10
513	2.2.15.16b.04		DCD10

514	2.2.15.16b.05	Instrumentation and Controls Compliance With IEEE Std. 603 (cont'd.)	DCD10
515	2.2.15.16b.06		DCD10
516	2.2.15.16b.07		DCD10
517	2.2.15.17a.01.01		DCD10
518	2.2.15.17a.01.02		DCD10
519	2.2.15.17a.01.03		DCD10
520	2.2.15.17a.01.04		DCD10
521	2.2.15.17a.01.05		DCD10
522	2.2.15.17a.01.06		DCD10
523	2.2.15.17a.01.07		DCD10
524	2.2.15.17a.02.01		DCD10
525	2.2.15.17a.02.02		DCD10
526	2.2.15.17a.02.03		DCD10
527	2.2.15.17a.02.04		DCD10
528	2.2.15.17a.02.05		DCD10
529	2.2.15.17a.02.06		DCD10
530	2.2.15.17a.02.07		DCD10
531	2.2.15.17b.01.01		DCD10
532	2.2.15.17b.01.02		DCD10
533	2.2.15.17b.01.03		DCD10
534	2.2.15.17b.01.04		DCD10
535	2.2.15.17b.01.05		DCD10
536	2.2.15.17b.01.06		DCD10
537	2.2.15.17b.01.07		DCD10
538	2.2.15.17b.02.01		DCD10
539	2.2.15.17b.02.02		DCD10
540	2.2.15.17b.02.03		DCD10
541	2.2.15.17b.02.04		DCD10
542	2.2.15.17b.02.05		DCD10
543	2.2.15.17b.02.06		DCD10
544	2.2.15.17b.02.07		DCD10
545	2.2.15.18a.01		DCD10
546	2.2.15.18a.02		DCD10
547	2.2.15.18a.03		DCD10
548	2.2.15.18a.04		DCD10
549	2.2.15.18a.05		DCD10
550	2.2.15.18a.06		DCD10
551	2.2.15.18a.07		DCD10
552	2.2.15.18b.01		DCD10
553	2.2.15.18b.02		DCD10
554	2.2.15.18b.03		DCD10
555	2.2.15.18b.04		DCD10
556	2.2.15.18b.05		DCD10
557	2.2.15.18b.06		DCD10
558	2.2.15.18b.07		DCD10
559	2.2.15.19a.01		DCD10
560	2.2.15.19a.02		DCD10
561	2.2.15.19a.03		DCD10
562	2.2.15.19a.04		DCD10

563	2.2.15.19a.05	Instrumentation and Controls Compliance With IEEE Std. 603 (cont'd.)	DCD10
564	2.2.15.19a.06		DCD10
565	2.2.15.19a.07		DCD10
566	2.2.15.19b.01		DCD10
567	2.2.15.19b.02		DCD10
568	2.2.15.19b.03		DCD10
569	2.2.15.19b.04		DCD10
570	2.2.15.19b.05		DCD10
571	2.2.15.19b.06		DCD10
572	2.2.15.19b.07		DCD10
573	2.2.15.20a.01.01		DCD10
574	2.2.15.20a.01.02		DCD10
575	2.2.15.20a.01.03		DCD10
576	2.2.15.20a.01.04		DCD10
577	2.2.15.20a.01.05		DCD10
578	2.2.15.20a.01.06		DCD10
579	2.2.15.20a.01.07		DCD10
580	2.2.15.20a.02.01		DCD10
581	2.2.15.20a.02.02		DCD10
582	2.2.15.20a.02.03		DCD10
583	2.2.15.20a.02.04		DCD10
584	2.2.15.20a.02.05		DCD10
585	2.2.15.20a.02.06		DCD10
586	2.2.15.20a.02.07		DCD10
587	2.2.15.20b.01.01		DCD10
588	2.2.15.20b.01.02		DCD10
589	2.2.15.20b.01.03		DCD10
590	2.2.15.20b.01.04		DCD10
591	2.2.15.20b.01.05		DCD10
592	2.2.15.20b.01.06		DCD10
593	2.2.15.20b.01.07		DCD10
594	2.2.15.20b.02.01		DCD10
595	2.2.15.20b.02.02		DCD10
596	2.2.15.20b.02.03		DCD10
597	2.2.15.20b.02.04		DCD10
598	2.2.15.20b.02.05		DCD10
599	2.2.15.20b.02.06		DCD10
600	2.2.15.20b.02.07		DCD10
601	2.2.15.21a.01		DCD10
602	2.2.15.21a.02		DCD10
603	2.2.15.21a.03		DCD10
604	2.2.15.21a.04		DCD10
605	2.2.15.21a.05		DCD10
606	2.2.15.21a.06		DCD10
607	2.2.15.21a.07		DCD10
608	2.2.15.21b.01.01		DCD10
609	2.2.15.21b.01.02		DCD10
610	2.2.15.21b.01.03		DCD10
611	2.2.15.21b.01.04		DCD10

612	2.2.15.21b.01.05	Instrumentation and Controls Compliance With IEEE Std. 603 (cont'd.)	DCD10
613	2.2.15.21b.01.06		DCD10
614	2.2.15.21b.01.07		DCD10
615	2.2.15.21b.02.01		DCD10
616	2.2.15.21b.02.02		DCD10
617	2.2.15.21b.02.03		DCD10
618	2.2.15.21b.02.04		DCD10
619	2.2.15.21b.02.05		DCD10
620	2.2.15.21b.02.06		DCD10
621	2.2.15.21b.02.07		DCD10
622	2.2.15.22a.01		DCD10
623	2.2.15.22a.02		DCD10
624	2.2.15.22a.03		DCD10
625	2.2.15.22a.04		DCD10
626	2.2.15.22a.05		DCD10
627	2.2.15.22a.06		DCD10
628	2.2.15.22a.07		DCD10
629	2.2.15.22b.01		DCD10
630	2.2.15.22b.02		DCD10
631	2.2.15.22b.03		DCD10
632	2.2.15.22b.04		DCD10
633	2.2.15.22b.05		DCD10
634	2.2.15.22b.06		DCD10
635	2.2.15.22b.07		DCD10
636	2.2.15.23a.01		DCD10
637	2.2.15.23a.02		DCD10
638	2.2.15.23a.03		DCD10
639	2.2.15.23a.04		DCD10
640	2.2.15.23a.05		DCD10
641	2.2.15.23a.06		DCD10
642	2.2.15.23a.07		DCD10
643	2.2.15.23b.01		DCD10
644	2.2.15.23b.02		DCD10
645	2.2.15.23b.03		DCD10
646	2.2.15.23b.04		DCD10
647	2.2.15.23b.05		DCD10
648	2.2.15.23b.06		DCD10
649	2.2.15.23b.07		DCD10
650	2.2.15.24a.01		DCD10
651	2.2.15.24a.02		DCD10
652	2.2.15.24a.03		DCD10
653	2.2.15.24a.04		DCD10
654	2.2.15.24a.05		DCD10
655	2.2.15.24a.06		DCD10
656	2.2.15.24a.07		DCD10
657	2.2.15.24b.01		DCD10
658	2.2.15.24b.02		DCD10
659	2.2.15.24b.03		DCD10
660	2.2.15.24b.04		DCD10

661	2.2.15.24b.05	Instrumentation and Controls Compliance With IEEE Std. 603 (cont'd.)	DCD10
662	2.2.15.24b.06		DCD10
663	2.2.15.24b.07		DCD10
664	2.2.16.01	High Pressure Control Rod Drive Isolation Bypass Function Independent Control Platform	DCD10
665	2.2.16.02		DCD10
666	2.2.16.03		DCD10
667	2.2.16.04		DCD10
668	2.2.16.05		DCD10
669	2.3.01.01	Process Radiation Monitoring System	DCD10
670	2.3.01.02a	Process Radiation Monitoring System (cont'd.)	DCD10
671	2.3.01.02b		DCD10
672	2.3.01.3.i		DCD10
673	2.3.01.3.ii		DCD10
674	2.3.01.3.iii		DCD10
675	2.3.01.04		DCD10
676	2.3.01.05		DCD10
677	2.3.01.06		DCD10
678	2.3.01.07		DCD10
679	2.3.02.01	Area Radiation Monitoring System	DCD10
680	2.3.02.02		DCD10
681	2.3.02.03		DCD10
682	2.4.01.01	Isolation Condenser System	DCD10
683	2.4.01.02a.02		DCD10
684	2.4.01.02a.03		DCD10
685	2.4.01.02b.01		DCD10
686	2.4.01.02b.02		DCD10
687	2.4.01.02b.03		DCD10
688	2.4.01.03a		DCD10
689	2.4.01.03b		DCD10
690	2.4.01.04a		DCD10
691	2.4.01.04b		DCD10
692	2.4.01.05.i		DCD10
693	2.4.01.05.ii		DCD10
694	2.4.01.05.iii		DCD10
695	2.4.01.06a		DCD10
696	2.4.01.06b.i		DCD10
697	2.4.01.06b.ii		DCD10
698	2.4.01.07a		DCD10
699	2.4.01.07b		DCD10
700	2.4.01.09		DCD10
701	2.4.01.10		DCD10
702	2.4.01.13		DCD10
703	2.4.01.14		DCD10
704	2.4.01.15		DCD10
705	2.4.01.16		DCD10
706	2.4.01.17		DCD10
707	2.4.01.18a		DCD10
708	2.4.01.18b		DCD10

709	2.4.01.20	Isolation Condenser System (cont'd.)	DCD10
710	2.4.01.21		DCD10
711	2.4.01.22		DCD10
712	2.4.01.23		DCD10
713	2.4.01.24.i		DCD10
714	2.4.01.24.ii		DCD10
715	2.4.01.24.iii		DCD10
716	2.4.01.25		DCD10
717	2.4.01.26		DCD10
718	2.4.01.29a		DCD10
719	2.4.01.29b	Emergency Core Cooling System – Gravity Driven Cooling System	DCD10
720	2.4.01.30		DCD10
721	2.4.02.01		DCD10
722	2.4.02.02a.02		DCD10
723	2.4.02.02a.03		DCD10
724	2.4.02.02b.01		DCD10
725	2.4.02.02b.02		DCD10
726	2.4.02.02b.03		DCD10
727	2.4.02.03a		DCD10
728	2.4.02.03b		DCD10
729	2.4.02.04a		DCD10
730	2.4.02.04b		DCD10
731	2.4.02.05.i		DCD10
732	2.4.02.05.ii		DCD10
733	2.4.02.05.iii		DCD10
734	2.4.02.08a		DCD10
735	2.4.02.08b		DCD10
736	2.4.02.09		DCD10
737	2.4.02.10a		DCD10
738	2.4.02.10b		DCD10
739	2.4.02.12		DCD10
740	2.4.02.13		DCD10
741	2.4.02.14		DCD10
742	2.4.02.15		DCD10
743	2.4.02.16		DCD10
744	2.4.02.17		DCD10
745	2.4.02.18		DCD10
746	2.4.02.19		DCD10
747	2.4.02.20		DCD10
748	2.4.02.21		DCD10
749	2.4.02.22		DCD10
750	2.4.02.24		DCD10
751	2.4.02.25		DCD10
752	2.4.02.26.i		DCD10
753	2.4.02.26.ii		DCD10
754	2.4.02.27		DCD10
755	2.4.02.28a		DCD10
756	2.4.02.28b		DCD10
757	2.4.02.29b		DCD10

758	2.4.02.29c	Emergency Core Cooling System – Gravity Driven Cooling System (cont'd.)	DCD10
759	2.4.02.29d		DCD10
760	2.4.02.29e		DCD10
761	2.5.05.01	Refueling Equipment	DCD10
762	2.5.05.02		DCD10
763	2.5.05.03	Refueling Equipment (cont'd.)	DCD10
764	2.5.05.04		DCD10
765	2.5.05.05		DCD10
766	2.5.05.06		DCD10
767	2.5.05.07		DCD10
768	2.5.05.08		DCD10
769	2.5.05.09.i		DCD10
770	2.5.05.09.ii		DCD10
771	2.5.05.09.iii		DCD10
772	2.5.05.09.iv		DCD10
773	2.5.05.09.v		DCD10
774	2.5.05.09.vi		DCD10
775	2.5.05.10.i		DCD10
776	2.5.05.10.ii		DCD10
777	2.5.05.10.iii		DCD10
778	2.5.05.10.iv		DCD10
779	2.5.05.10.v		DCD10
780	2.5.05.10.vi		DCD10
781	2.5.05.11		DCD10
782	2.5.05.12		DCD10
783	2.5.06.01	Fuel Storage Facility	DCD10
784	2.5.06.02		DCD10
785	2.5.06.05		DCD10
786	2.5.06.06		DCD10
787	2.5.06.07.i		DCD10
788	2.5.06.07.ii		DCD10
789	2.5.06.07.iii		DCD10
790	2.5.06.08.i		DCD10
791	2.5.06.08.ii		DCD10
792	2.5.10.01	Fuel Transfer System	DCD10
793	2.5.10.02.i		DCD10
794	2.5.10.02.ii		DCD10
795	2.5.10.03		DCD10
796	2.5.10.04		DCD10
797	2.5.10.05		DCD10
798	2.5.10.06.i		DCD10
799	2.5.10.06.ii		DCD10
800	2.6.01.01	Reactor Water Cleanup/Shutdown Cooling System	DCD10
801	2.6.01.03a		DCD10
802	2.6.01.03b		DCD10
803	2.6.01.05		DCD10
804	2.6.01.06		DCD10
805	2.6.01.07.i		DCD10
806	2.6.01.07.ii		DCD10

807	2.6.01.07.iii	Reactor Water Cleanup/Shutdown Cooling System (cont'd.)	DCD10
808	2.6.01.08a.02		DCD10
809	2.6.01.08a.03		DCD10
810	2.6.01.08b.01		DCD10
811	2.6.01.08b.02		DCD10
812	2.6.01.08b.03		DCD10
813	2.6.01.09a		DCD10
814	2.6.01.09b		DCD10
815	2.6.01.10a		DCD10
816	2.6.01.10b		DCD10
817	2.6.02.01	Fuel and Auxiliary Pools Cooling System	DCD10
818	2.6.02.02a.02	Fuel and Auxiliary Pools Cooling System (cont'd.)	DCD10
819	2.6.02.02a.03		DCD10
820	2.6.02.02b.01		DCD10
821	2.6.02.02b.02		DCD10
822	2.6.02.02b.03		DCD10
823	2.6.02.03a		DCD10
824	2.6.02.03b		DCD10
825	2.6.02.04a		DCD10
826	2.6.02.04b		DCD10
827	2.6.02.05.i		DCD10
828	2.6.02.05.ii		DCD10
829	2.6.02.05.iii		DCD10
830	2.6.02.07a.i		DCD10
831	2.6.02.07a.ii		DCD10
832	2.6.02.07a.iii		DCD10
833	2.6.02.07b		DCD10
834	2.6.02.07c		DCD10
835	2.6.02.09		DCD10
836	2.6.02.11		DCD10
837	2.6.02.12		DCD10
838	2.6.02.13a		DCD10
839	2.6.02.13b		DCD10
840	2.6.02.14		DCD10
841	2.6.02.15		DCD10
842	2.6.02.16		DCD10
843	2.6.02.17		DCD10
844	2.6.02.18a		DCD10
845	2.6.02.18b		DCD10
846	2.10.01.01	Liquid Waste Management System	DCD10
847	2.10.01.02		DCD10
848	2.10.01.03		DCD10
849	2.10.01.04		DCD10
850	2.10.02.01	Solid Waste Management System	DCD10
851	2.10.02.02		DCD10
852	2.10.03.01	Gaseous Waste Management System	DCD10
853	2.10.03.02		DCD10
854	2.10.03.03		DCD10
855	2.10.03.04.i		DCD10
856	2.10.03.04.ii		DCD10

857	2.10.03.04.iii	Gaseous Waste Management System (cont'd.)	DCD10
858	2.10.03.05		DCD10
859	2.11.01.01	Turbine Main Steam System	DCD10
860	2.11.01.02a.02		DCD10
861	2.11.01.02a.03		DCD10
862	2.11.01.02b.01		DCD10
863	2.11.01.02b.02		DCD10
864	2.11.01.03		DCD10
865	2.11.01.04		DCD10
866	2.11.01.05		DCD10
867	2.11.01.06		DCD10
868	2.11.01.07		DCD10
869	2.11.01.08		DCD10
870	2.11.01.09a		DCD10
871	2.11.01.09b		DCD10
872	2.11.01.09c		DCD10
873	2.11.01.10a	Turbine Main Steam System (cont'd.)	DCD10
874	2.11.01.10b		DCD10
875	2.11.01.11a		DCD10
876	2.11.01.11b		DCD10
877	2.11.01.12		DCD10
878	2.11.02.01	Condensate and Feedwater System	DCD10
879	2.11.02.02		DCD10
880	2.11.02.03		DCD10
881	2.11.02.04		DCD10
882	2.11.02.05		DCD10
883	2.11.02.06		DCD10
884	2.11.02.07		DCD10
885	2.11.02.08		DCD10
886	2.11.02.09a		DCD10
887	2.11.02.09b		DCD10
888	2.11.04.01	Maine Turbine	DCD10
889	2.11.04.02		DCD10
890	2.11.04.03		DCD10
891	2.11.04.04		DCD10
892	2.11.04.05		DCD10
893	2.11.04.06		DCD10
894	2.11.04.07		DCD10
895	2.11.05.01	Turbine Gland Seal System	DCD10
896	2.11.06.01	Turbine Bypass System	DCD10
897	2.11.06.02		DCD10
898	2.11.06.03		DCD10
899	2.11.06.04		DCD10
900	2.11.06.05		DCD10
901	2.11.06.06		DCD10
902	2.11.06.07		DCD10
903	2.11.07.01	Main Condenser	DCD10
904	2.11.07.02		DCD10
905	2.11.07.03		DCD10
906	2.12.03.01	Reactor Component Cooling Water System	DCD10

907	2.12.03.02	Reactor Component Cooling Water System (cont'd.)	DCD10
908	2.12.03.03		DCD10
909	2.12.03.04		DCD10
910	2.12.05.01	Chilled Water System	DCD10
911	2.12.05.02		DCD10
912	2.12.05.03		DCD10
913	2.12.05.04		DCD10
914	2.12.07.01	Plant Service Water System	DCD10
915	2.12.07.02		DCD10
916	2.12.07.03		DCD10
917	2.12.07.04		DCD10
918	C.2.12.07.01a (C.2.4.03.01a)*	Plant Service Water Reserve Storage	COL5
919	C.2.12.07.01b (C.2.4.03.01b)*		COL5
920	2.13.01.01	Electric Power Distribution System	DCD10
921	2.13.01.02.i		DCD10
922	2.13.01.02.ii		DCD10
923	2.13.01.02.iii		DCD10
924	2.13.01.03a		DCD10
925	2.13.01.03b		DCD10
926	2.13.01.04		DCD10
927	2.13.01.05		DCD10
928	2.13.01.06a		DCD10
929	2.13.01.06b		DCD10
930	2.13.01.09		DCD10
931	2.13.01.10		DCD10
932	2.13.01.11a		DCD10
933	2.13.01.11b		DCD10
934	2.13.01.11c		DCD10
935	2.13.01.11d		DCD10
936	2.13.01.11e		DCD10
937	2.13.01.12a		DCD10
938	2.13.01.12b		DCD10
939	2.13.01.12c		DCD10
940	2.13.01.12d		DCD10
941	2.13.01.13		DCD10
942	2.13.01.14a		DCD10
943	2.13.01.14b		DCD10
944	2.13.03.01	Direct Current Power Supply	DCD10
945	2.13.03.02		DCD10
946	2.13.03.03.i		DCD10
947	2.13.03.03.ii		DCD10
948	2.13.03.04.i		DCD10
949	2.13.03.04.ii		DCD10
950	2.13.03.04.iii		DCD10
951	2.13.03.05		DCD10
952	2.13.03.06		DCD10

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953	2.13.03.07	Direct Current Power Supply (cont'd.)	DCD10
954	2.13.03.08		DCD10
955	2.13.03.09		DCD10
956	2.13.03.12		DCD10
957	2.13.03.13		DCD10
958	2.13.03.14		DCD10
959	2.13.04.01	Standby Onsite AC Power Supply (cont'd.)	DCD10
960	2.13.04.02a		DCD10
961	2.13.04.02b		DCD10
962	2.13.04.02c		DCD10
963	2.13.04.02d		DCD10
964	2.13.04.02e		DCD10
965	2.13.04.02f		DCD10
966	2.13.04.02g		DCD10
967	2.13.04.02h		DCD10
968	2.13.04.02i		DCD10
969	2.13.04.04		DCD10
970	2.13.04.05a		DCD10
971	2.13.04.05b		DCD10
972	2.13.04.05c		DCD10
973	2.13.04.05d		DCD10
974	2.13.04.05e		DCD10
975	2.13.04.07.i		DCD10
976	2.13.04.07.ii		DCD10
977	2.13.05.01	Uninterruptible AC Power Supply	DCD10
978	2.13.05.02		DCD10
979	2.13.05.03.i		DCD10
980	2.13.05.03.ii		DCD10
981	2.13.05.03.iii		DCD10
982	2.13.05.04		DCD10
983	2.13.05.05		DCD10
984	2.13.05.06		DCD10
985	2.13.05.09		DCD10
986	2.13.05.10		DCD10
987	2.13.05.11.i		DCD10
988	2.13.05.11.ii		DCD10
989	2.13.05.12		DCD10
990	2.13.05.13		DCD10
991	2.13.05.14		DCD10
992	2.13.08.01	Lighting Power Supply	DCD10
993	2.13.08.02		DCD10
994	2.13.08.03		DCD10
995	2.13.08.04		DCD10
996	2.13.08.05		DCD10
997	2.13.08.06		DCD10
998	2.13.08.07		DCD10
999	2.13.09.01	Grounding and Lighting Protection System	DCD10

1000	C.2.13.10.01a (C.2.4.08.01a)*	Offsite Power Systems	COL5
1001	C.2.13.10.01b (C.2.4.08.01b)*		COL5
1002	C.2.13.10.01c (C.2.4.08.01c)*		COL5
1003	C.2.13.10.02 (C.2.4.08.02)*		COL5
1004	C.2.13.10.03 (C.2.4.08.03)*		COL5
1005	C.2.13.10.04 (C.2.4.08.03)*		COL5
1006	C.2.13.10.05 (C.2.4.08.05)*		COL5
1007	2.15.01.01	Containment System	DCD10
1008	2.15.01.02a.02		DCD10
1009	2.15.01.02a.03		DCD10
1010	2.15.01.02b.01		DCD10
1011	2.15.01.02b.02		DCD10
1012	2.15.01.02b.03		DCD10
1013	2.15.01.02c.01		DCD10
1014	2.15.01.02c.02		DCD10
1015	2.15.01.02c.03		DCD10
1016	2.15.01.03a		DCD10
1017	2.15.01.03b		DCD10
1018	2.15.01.04.i		DCD10
1019	2.15.01.04.ii		DCD10
1020	2.15.01.05.i		DCD10
1021	2.15.01.05.ii		DCD10
1022	2.15.01.05.iii		DCD10
1023	2.15.01.06a		DCD10
1024	2.15.01.06b		DCD10
1025	2.15.01.06c		DCD10
1026	2.15.01.07		DCD10
1027	2.15.01.08		DCD10
1028	2.15.01.09.i		DCD10
1029	2.15.01.09.ii		DCD10
1030	2.15.01.09.iii		DCD10
1031	2.15.01.09.iv		DCD10
1032	2.15.01.09.v		DCD10
1033	2.15.01.10		DCD10
1034	2.15.01.12		DCD10
1035	2.15.01.13		DCD10
1036	2.15.01.14		DCD10
1037	2.15.01.15		DCD10
1038	2.15.01.16a		DCD10
1039	2.15.01.16b		DCD10
1040	2.15.01.17		DCD10
1041	2.15.01.18		DCD10

* Reference ITAAC number from COLA

1042	2.15.01.19	Containment System (cont'd.)	DCD10
1043	2.15.01.20		DCD10
1044	2.15.01.21		DCD10
1045	2.15.01.22a		DCD10
1046	2.15.01.22b		DCD10
1047	2.15.01.23a		DCD10
1048	2.15.01.23b		DCD10
1049	2.15.01.23c		DCD10
1050	2.15.03.01	Containment Internal Structures	DCD10
1051	2.15.03.02		DCD10
1052	2.15.03.03.i		DCD10
1053	2.15.03.03.ii		DCD10
1054	2.15.03.05		DCD10
1055	2.15.03.09		DCD10
1056	2.15.04.01	Passive Containment Cooling System	DCD10
1057	2.15.04.02a.02	Passive Containment Cooling System (cont'd.)	DCD10
1058	2.15.04.02a.03		DCD10
1059	2.15.04.02b.01		DCD10
1060	2.15.04.02b.02		DCD10
1061	2.15.04.02b.03		DCD10
1062	2.15.04.03a		DCD10
1063	2.15.04.03b		DCD10
1064	2.15.04.04a		DCD10
1065	2.15.04.04b		DCD10
1066	2.15.04.05.i		DCD10
1067	2.15.04.05.ii		DCD10
1068	2.15.04.05.iii		DCD10
1069	2.15.04.06		DCD10
1070	2.15.04.07		DCD10
1071	2.15.04.09		DCD10
1072	2.15.04.10		DCD10
1073	2.15.04.11		DCD10
1074	2.15.04.12		DCD10
1075	2.15.04.13		DCD10
1076	2.15.04.14		DCD10
1077	2.15.04.15		DCD10
1078	2.15.04.16		DCD10
1079	2.15.05.01	Containment Inerting System	DCD10
1080	2.15.05.03		DCD10
1081	2.15.07.01	Containment Monitoring System	DCD10
1082	2.15.07.02		DCD10
1083	2.15.07.03		DCD10
1084	2.15.07.04		DCD10
1085	2.15.07.05		DCD10
1086	2.15.07.06.i		DCD10
1087	2.15.07.06.ii		DCD10
1088	2.15.07.06.iii		DCD10
1089	2.15.08.01	Passive Autocatalytic Recombiner	DCD10
1090	2.15.08.02		DCD10
1091	2.16.01.01	Cranes, Hoists and Elevators	DCD10

1092	2.16.01.02	Cranes, Hoists and Elevators (cont'd.)	DCD10
1093	2.16.01.03		DCD10
1094	2.16.01.04		DCD10
1095	2.16.01.05		DCD10
1096	2.16.01.06		DCD10
1097	2.16.01.07		DCD10
1098	2.16.01.08		DCD10
1099	2.16.01.09		DCD10
1100	2.16.01.10.i		DCD10
1101	2.16.01.10.ii		DCD10
1102	2.16.01.10.iii		DCD10
1103	2.16.01.10.iv		DCD10
1104	2.16.01.10.v		DCD10
1105	2.16.01.10.vi		DCD10
1106	2.16.01.11.i		DCD10
1107	2.16.01.11.ii		DCD10
1108	2.16.01.11.iii		DCD10
1109	2.16.01.11.iv		DCD10
1110	2.16.01.11.v		DCD10
1111	2.16.01.11.vi		DCD10
1112	2.16.01.12		DCD10
1113	2.16.02.01.01	Reactor Building HVAC	DCD10
1114	2.16.02.01.02		DCD10
1115	2.16.02.01.03.i		DCD10
1116	2.16.02.01.03.ii		DCD10
1117	2.16.02.01.03.iii		DCD10
1118	2.16.02.01.04		DCD10
1119	2.16.02.01.05.i		DCD10
1120	2.16.02.01.05.ii		DCD10
1121	2.16.02.01.06.i		DCD10
1122	2.16.02.01.06.ii		DCD10
1123	2.16.02.01.07		DCD10
1124	2.16.02.01.09.i		DCD10
1125	2.16.02.01.09.ii		DCD10
1126	2.16.02.01.11		DCD10
1127	2.16.02.01.12a		DCD10
1128	2.16.02.01.12b		DCD10
1129	2.16.02.01.13		DCD10
1130	2.16.02.02.01	Control Building Habitability HVAC Subsystem	DCD10
1131	2.16.02.02.02		DCD10
1132	2.16.02.02.03.i		DCD10
1133	2.16.02.02.03.ii		DCD10
1134	2.16.02.02.03.iii		DCD10
1135	2.16.02.02.04.i		DCD10
1136	2.16.02.02.04.ii		DCD10
1137	2.16.02.02.04.iii		DCD10
1138	2.16.02.02.05.i		DCD10
1139	2.16.02.02.05.ii		DCD10
1140	2.16.02.02.06.i		DCD10
1141	2.16.02.02.06.ii		DCD10

1142	2.16.02.02.07	Control Building Habitability HVAC Subsystem (cont'd.)	DCD10
1143	2.16.02.02.08		DCD10
1144	2.16.02.02.10		DCD10
1145	2.16.02.02.11		DCD10
1146	2.16.02.03.01	Emergency Filter Units	DCD10
1147	2.16.02.03.02		DCD10
1148	2.16.02.03.03.i		DCD10
1149	2.16.02.03.03.ii		DCD10
1150	2.16.02.03.03.iii		DCD10
1151	2.16.02.03.04.i		DCD10
1152	2.16.02.03.04.ii		DCD10
1153	2.16.02.03.05a		DCD10
1154	2.16.02.03.05b		DCD10
1155	2.16.02.03.06		DCD10
1156	2.16.02.03.07		DCD10
1157	2.16.02.03.10		DCD10
1158	2.16.02.03.11		DCD10
1159	2.16.02.03.12		DCD10
1160	2.16.02.04.01	Turbine Building Ventilation System	DCD10
1161	2.16.02.04.02		DCD10
1162	2.16.02.05.01	Fuel Building HVAC System	DCD10
1163	2.16.02.05.02		DCD10
1164	2.16.02.05.03.i		DCD10
1165	2.16.02.05.03.ii		DCD10
1166	2.16.02.05.03.iii		DCD10
1167	2.16.02.05.04.i		DCD10
1168	2.16.02.05.04.ii		DCD10
1169	2.16.02.05.05		DCD10
1170	2.16.02.07.01	Electrical Building Ventilation System	DCD10
1171	2.16.02.07.02		DCD10
1172	2.16.02.07.03		DCD10
1173	2.16.02.07.04		DCD10
1174	2.16.02.07.05		DCD10
1175	2.16.03.01	Fire Protection System	DCD10
1176	2.16.03.02.i		DCD10
1177	2.16.03.02.ii		DCD10
1178	2.16.03.03.i		DCD10
1179	2.16.03.03.ii		DCD10
1180	2.16.03.03.iii		DCD10
1181	2.16.03.04a		DCD10
1182	2.16.03.04b		DCD10
1183	2.16.03.05.i		DCD10
1184	2.16.03.05.ii		DCD10
1185	2.16.03.06		DCD10
1186	2.16.03.07a		DCD10
1187	2.16.03.07b		DCD10
1188	2.16.03.09		DCD10
1189	2.16.03.01.01	Fire Barriers	DCD10
1190	2.16.03.01.02		DCD10
1191	2.16.03.01.03		DCD10

1192	2.16.03.01.04	Fire Barriers (cont'd.)	DCD10
1193	2.16.03.01.05		DCD10
1194	2.16.04.01	Equipment and Floor Drain System	DCD10
1195	2.16.04.02		DCD10
1196	2.16.04.03		DCD10
1197	2.16.05.01	Reactor Building	DCD10
1198	2.16.05.02		DCD10
1199	2.16.05.03		DCD10
1200	2.16.05.04		DCD10
1201	2.16.05.05		DCD10
1202	2.16.05.06		DCD10
1203	2.16.05.07		DCD10
1204	2.16.05.08		DCD10
1205	2.16.05.09a		DCD10
1206	2.16.05.09b		DCD10
1207	2.16.05.10		DCD10
1208	2.16.05.11		DCD10
1209	2.16.05.12		DCD10
1210	2.16.05.13		DCD10
1211	2.16.05.14		DCD10
1212	2.16.05.15		DCD10
1213	2.16.06.01	Control Building	DCD10
1214	2.16.06.02		DCD10
1215	2.16.06.03		DCD10
1216	2.16.06.04		DCD10
1217	2.16.06.05		DCD10
1218	2.16.06.06		DCD10
1219	2.16.06.07		DCD10
1220	2.16.06.08		DCD10
1221	2.16.06.09		DCD10
1222	2.16.07.01	Fuel Building	DCD10
1223	2.16.07.02		DCD10
1224	2.16.07.03		DCD10
1225	2.16.07.04		DCD10
1226	2.16.07.05		DCD10
1227	2.16.07.06		DCD10
1228	2.16.07.07		DCD10
1229	2.16.07.08		DCD10
1230	2.16.07.09		DCD10
1231	2.16.07.10		DCD10
1232	2.16.07.11		DCD10
1233	2.16.07.12		DCD10
1234	2.16.08.01	Turbine Building	DCD10
1235	2.16.08.02		DCD10
1236	2.16.08.03		DCD10
1237	2.16.08.04		DCD10
1238	2.16.08.05		DCD10
1239	2.16.08.06		DCD10

1240	C.2.16.08.07 (C.2.4.15.01)*	Turbine Building (cont'd.)	COL5
1241 1242 1243 1244	2.16.09.01 2.16.09.02 2.16.09.03 C.2.16.09.04 (C.2.4.16.01)*	Radwaste Building	DCD10 DCD10 DCD10 COL5
1245 1246 1247 1248	2.16.10.01 2.16.10.02 2.16.10.03 C.2.16.10.04 (C.2.4.17.01)*	Service Building	DCD10 DCD10 DCD10 COL5
1249 1250 1251 1252 1253 1254 1255 1256	2.16.11.01 2.16.11.02 2.16.11.03 2.16.11.04 2.16.11.05 2.16.11.06 2.16.11.07 C.2.16.11.08 (C.2.4.18.01)*	Ancillary Diesel Building	DCD10 DCD10 DCD10 DCD10 DCD10 DCD10 DCD10 COL5
1257 1258 1259 1260 1261	2.16.12.01 2.16.12.02 2.16.12.03 2.16.12.04 2.16.12.05	Fire Water Service Complex Fire Water Service Complex (cont'd.)	DCD10 DCD10 DCD10 DCD10 DCD10
1262 1263 1264 1265 1266 1267	2.16.13.01 2.16.13.02 2.16.13.03 2.16.13.04 2.16.13.05 2.16.13.06	Electrical Building	DCD10 DCD10 DCD10 DCD10 DCD10 DCD10
1268 1269 1270 1271 1272 1273 1274	2.16.14.01 2.16.14.02 2.16.14.03 2.16.14.04 2.16.14.05 2.16.14.06 2.16.14.07	Service Water Building	DCD10 DCD10 DCD10 DCD10 DCD10 DCD10 DCD10
1275 1276 1277 1278 1279 1280 1281 1282 1283	2.19.00.01a 2.19.00.01b 2.19.00.06 2.19.00.10 2.19.00.11b 2.19.00.12 2.19.00.13a 2.19.00.13b 2.19.00.14	Plant Security	DCD10 DCD10 DCD10 DCD10 DCD10 DCD10 DCD10 DCD10 DCD10

* Reference ITAAC number from COLA

1284	2.19.00.15	Plant Security (con't.)	DCD10
1285	2.19.00.16a		DCD10
1286	2.19.00.16b		DCD10
1287	2.19.00.16c		DCD10
1288	C.2.19.00.01a (C.2.2.01.01a)*	Site-Specific Security System	COL5
1289	C.2.19.00.01b (C.2.2.01.01b)*		COL5
1290	C.2.19.00.02a (C.2.2.01.02a)*		COL5
1291	C.2.19.00.02b (C.2.2.01.02b)*		COL5
1292	C.2.19.00.02c (C.2.2.01.02c)*		COL5
1293	C.2.19.00.03a (C.2.2.01.03a)*		COL5
1294	C.2.19.00.03b (C.2.2.01.03b)*		COL5
1295	C.2.19.00.03c (C.2.2.01.03c)*		COL5
1296	C.2.19.00.04a (C.2.2.01.04a)*		COL5
1297	C.2.19.00.04b (C.2.2.01.04b)*		COL5
1298	C.2.19.00.04c (C.2.2.01.04c)*		COL5
1299	C.2.19.00.05 (C.2.2.01.05)†		COL5
1300	C.2.19.00.06 (C.2.2.01.06)*		COL5
1301	C.2.19.00.07 (C.2.2.01.07)*		COL5
1302	C.2.19.00.08a (C.2.2.01.08a)*		COL5
1303	C.2.19.00.08b (C.2.2.01.08b)*		COL5
1304	C.2.19.00.09 (C.2.2.01.09)*		COL5
1305	C.2.19.00.10 (C.2.2.01.10)*		COL5
1306	C.2.19.00.11a (C.2.2.01.11a)*		COL5
1307	C.2.19.00.11b (C.2.2.01.11b)*		COL5
1308	C.2.19.00.11c (C.2.2.01.11c)*		COL5
1309	C.2.19.00.12 (C.2.2.01.12)*		COL5

* Reference ITAAC number from COLA

† Reference ITAAC number from COLA

1310	C.2.19.00.13a (C.2.2.01.13a)*	Site Specific Security System (cont'd.)	COL5
1311	C.2.19.00.13b (C.2.2.01.13b)*		COL5
1312	C.2.19.00.15 (C.2.2.01.15)*		COL5
1313	C.2.19.00.16a (C.2.2.01.16a)*		COL5
1314	C.2.19.00.16b (C.2.2.01.16b)*		COL5
1315	C.2.19.00.16c (C.2.2.01.16c)*		COL5
1316	3.1.00.03	Design of Piping Systems and Components	DCD10
1317	3.1.00.06		DCD10
1318	3.2.00.01a.01	Software Development	DCD10
1319	3.2.00.01a.02		DCD10
1320	3.2.00.01a.03		DCD10
1321	3.2.00.01a.04		DCD10
1322	3.2.00.01a.05		DCD10
1323	3.2.00.01a.06		DCD10
1324	3.2.00.01a.07		DCD10
1325	3.2.00.01a.08		DCD10
1326	3.2.00.01a.09		DCD10
1327	3.2.00.01b.01		DCD10
1328	3.2.00.01b.02		DCD10
1329	3.2.00.01b.03		DCD10
1330	3.2.00.01b.04		DCD10
1331	3.2.00.01b.05		DCD10
1332	3.2.00.01b.06		DCD10
1333	3.2.00.01b.07		DCD10
1334	3.2.00.01b.08		DCD10
1335	3.2.00.01b.09		DCD10
1336	3.2.00.01c.01		DCD10
1337	3.2.00.01c.02		DCD10
1338	3.2.00.01c.03		DCD10
1339	3.2.00.01c.04		DCD10
1340	3.2.00.01c.05		DCD10
1341	3.2.00.01c.06		DCD10
1342	3.2.00.01c.07		DCD10
1343	3.2.00.01c.08		DCD10
1344	3.2.00.01c.09		DCD10
1345	3.2.00.01d.01		DCD10
1346	3.2.00.01d.02		DCD10
1347	3.2.00.01d.03		DCD10
1348	3.2.00.01d.04		DCD10
1349	3.2.00.01d.05		DCD10
1350	3.2.00.01d.06		DCD10
1351	3.2.00.01d.07		DCD10
1352	3.2.00.01d.08		DCD10
1353	3.2.00.01d.09		DCD10

1354	3.2.00.01e.01	Software Development (cont'd.)	DCD10
1355	3.2.00.01e.02		DCD10
1356	3.2.00.01e.03		DCD10
1357	3.2.00.01e.04		DCD10
1358	3.2.00.01e.05		DCD10
1359	3.2.00.01e.06		DCD10
1360	3.2.00.01e.07		DCD10
1361	3.2.00.01e.08		DCD10
1362	3.2.00.01e.09		DCD10
1363	3.2.00.01f.01		DCD10
1364	3.2.00.01f.02		DCD10
1365	3.2.00.01f.03		DCD10
1366	3.2.00.01f.04		DCD10
1367	3.2.00.01f.05		DCD10
1368	3.2.00.01f.06		DCD10
1369	3.2.00.01f.07		DCD10
1370	3.2.00.01f.08		DCD10
1371	3.2.00.01f.09		DCD10
1372	3.2.00.01g.01		DCD10
1373	3.2.00.01g.02		DCD10
1374	3.2.00.01g.03		DCD10
1375	3.2.00.01g.04		DCD10
1376	3.2.00.01g.05		DCD10
1377	3.2.00.01g.06		DCD10
1378	3.2.00.01g.07		DCD10
1379	3.2.00.01g.08		DCD10
1380	3.2.00.01g.09		DCD10
1381	3.2.00.01h.01		DCD10
1382	3.2.00.01h.02		DCD10
1383	3.2.00.01h.03		DCD10
1384	3.2.00.01h.04		DCD10
1385	3.2.00.01h.05		DCD10
1386	3.2.00.01h.06		DCD10
1387	3.2.00.01h.07		DCD10
1388	3.2.00.01h.08		DCD10
1389	3.2.00.01h.09		DCD10
1390	3.2.00.01i.01		DCD10
1391	3.2.00.01i.02		DCD10
1392	3.2.00.01i.03		DCD10
1393	3.2.00.01i.04		DCD10
1394	3.2.00.01i.05		DCD10
1395	3.2.00.01i.06		DCD10
1396	3.2.00.01i.07		DCD10
1397	3.2.00.01i.08		DCD10
1398	3.2.00.01i.09		DCD10
1399	3.2.00.01j.01		DCD10
1400	3.2.00.01j.02		DCD10
1401	3.2.00.01j.03		DCD10
1402	3.2.00.01j.04		DCD10
1403	3.2.00.01j.05		DCD10

1404	3.2.00.01j.06	Software Development (cont'd.)	DCD10
1405	3.2.00.01j.07		DCD10
1406	3.2.00.01j.08		DCD10
1407	3.2.00.01j.09		DCD10
1408	3.2.00.01k.01		DCD10
1409	3.2.00.01k.02		DCD10
1410	3.2.00.01k.03		DCD10
1411	3.2.00.01k.04		DCD10
1412	3.2.00.01k.05		DCD10
1413	3.2.00.01k.06		DCD10
1414	3.2.00.01k.07		DCD10
1415	3.2.00.01k.08		DCD10
1416	3.2.00.01k.09		DCD10
1417	3.2.00.01l.01		DCD10
1418	3.2.00.01l.02		DCD10
1419	3.2.00.01l.03		DCD10
1420	3.2.00.01l.04		DCD10
1421	3.2.00.01l.05		DCD10
1422	3.2.00.01l.06		DCD10
1423	3.2.00.01l.07		DCD10
1424	3.2.00.01l.08		DCD10
1425	3.2.00.01l.09		DCD10
1426	3.2.00.02a.01		DCD10
1427	3.2.00.02a.02		DCD10
1428	3.2.00.02a.03		DCD10
1429	3.2.00.02a.04		DCD10
1430	3.2.00.02a.05		DCD10
1431	3.2.00.02a.06		DCD10
1432	3.2.00.02a.07		DCD10
1433	3.2.00.02a.08		DCD10
1434	3.2.00.02a.09		DCD10
1435	3.2.00.02b.01		DCD10
1436	3.2.00.02b.02		DCD10
1437	3.2.00.02b.03		DCD10
1438	3.2.00.02b.04		DCD10
1439	3.2.00.02b.05		DCD10
1440	3.2.00.02b.06		DCD10
1441	3.2.00.02b.07		DCD10
1442	3.2.00.02b.08		DCD10
1443	3.2.00.02b.09		DCD10
1444	3.2.00.02c.01		DCD10
1445	3.2.00.02c.02		DCD10
1446	3.2.00.02c.03		DCD10
1447	3.2.00.02c.04		DCD10
1448	3.2.00.02c.05		DCD10
1449	3.2.00.02c.06		DCD10
1450	3.2.00.02c.07		DCD10
1451	3.2.00.02c.08		DCD10
1452	3.2.00.02c.09		DCD10
1453	3.2.00.02d.01		DCD10

1454	3.2.00.02d.02	Software Development (cont'd.)	DCD10
1455	3.2.00.02d.03		DCD10
1456	3.2.00.02d.04		DCD10
1457	3.2.00.02d.05		DCD10
1458	3.2.00.02d.06		DCD10
1459	3.2.00.02d.07		DCD10
1460	3.2.00.02d.08		DCD10
1461	3.2.00.02d.09		DCD10
1462	3.2.00.02e.01		DCD10
1463	3.2.00.02e.02		DCD10
1464	3.2.00.02e.03		DCD10
1465	3.2.00.02e.04		DCD10
1466	3.2.00.02e.05		DCD10
1467	3.2.00.02e.06		DCD10
1468	3.2.00.02e.07		DCD10
1469	3.2.00.02e.08		DCD10
1470	3.2.00.02e.09		DCD10
1471	3.2.00.03a.01		DCD10
1472	3.2.00.03a.02		DCD10
1473	3.2.00.03a.03		DCD10
1474	3.2.00.03b.01		DCD10
1475	3.2.00.03b.02		DCD10
1476	3.2.00.03b.03		DCD10
1477	3.2.00.03c.01		DCD10
1478	3.2.00.03c.02		DCD10
1479	3.2.00.03c.03		DCD10
1480	3.2.00.03d.01		DCD10
1481	3.2.00.03d.02		DCD10
1482	3.2.00.03d.03		DCD10
1483	3.2.00.03e.01		DCD10
1484	3.2.00.03e.02		DCD10
1485	3.2.00.03e.03		DCD10
1486	3.2.00.03f.01		DCD10
1487	3.2.00.03f.2		DCD10
1488	3.2.00.03f.003		DCD10
1489	3.2.00.03g.01		DCD10
1490	3.2.00.03g.02		DCD10
1491	3.2.00.03g.03		DCD10
1492	3.2.00.03h.01		DCD10
1493	3.2.00.03h.02		DCD10
1494	3.2.00.03h.03		DCD10
1495	3.2.00.03.i		DCD10
1496	3.2.00.03j.01		DCD10
1497	3.2.00.03j.02		DCD10
1498	3.2.00.03k.01		DCD10
1499	3.2.00.03k.02		DCD10
1500	3.2.00.03l.01		DCD10
1501	3.2.00.03l.02		DCD10
1502	3.2.00.03m.01		DCD10
1503	3.2.00.03m.02		DCD10

1504	3.2.00.03n.01	Software Development (cont'd.)	DCD10
1505	3.2.00.03n.02		DCD10
1506	3.2.00.03o.01		DCD10
1507	3.2.00.03o.02		DCD10
1508	3.2.00.03p.01		DCD10
1509	3.2.00.03p.02		DCD10
1510	3.2.00.03q.01		DCD10
1511	3.2.00.03q.02		DCD10
1512	3.2.00.03r.01		DCD10
1513	3.2.00.03r.02		DCD10
1514	3.2.00.03r.03		DCD10
1515	3.2.00.03s.01	Human Factors Engineering	DCD10
1516	3.2.00.03s.02		DCD10
1517	3.3.00.01		DCD10
1518	3.3.00.02		DCD10
1519	3.3.00.03		DCD10
1520	3.3.00.04.i		DCD10
1521	3.3.00.04.ii		DCD10
1522	3.3.00.05.i		DCD10
1523	3.3.00.05.ii		DCD10
1524	3.3.00.06.i		DCD10
1525	3.3.00.06.ii		DCD10
1526	3.3.00.09	Radiation Protection	DCD10
1527	3.3.00.10		DCD10
1528	3.3.00.11	Design Reliability Assurance Program	DCD10
1529	3.3.00.12		DCD10
1530	3.4.00.01	Post Accident Monitoring Instrumentation	DCD10
1531	3.4.00.03		DCD10
1532	3.6.00.01	Environmental and Seismic Qualification of Mechanical and Electrical Equipment	DCD10
1533	3.7.00.01		DCD10
1534	3.8.00.01.ii.01		DCD10
1535	3.8.00.01.ii.02		DCD10
1536	3.8.00.01.ii.03		DCD10
1537	3.8.00.01.ii.04		DCD10
1538	3.8.00.01.ii.05		DCD10
1539	3.8.00.01.ii.06		DCD10
1540	3.8.00.01.ii.07		DCD10
1541	3.8.00.01.ii.10		DCD10
1542	3.8.00.01.ii.11		DCD10
1543	3.8.00.01.ii.12		DCD10
1544	3.8.00.01.ii.13		DCD10
1545	3.8.00.01.ii.14		DCD10
1546	3.8.00.01.ii.15		DCD10
1547	3.8.00.01.ii.16		DCD10
1548	3.8.00.01.ii.17		DCD10
1549	3.8.00.01.ii.20		DCD10
1550	3.8.00.01.ii.21		DCD10
1551	3.8.00.01.ii.26		DCD10
1552	3.8.00.01.ii.27		DCD10

1553	3.8.00.01.ii.29	Environmental and Seismic Qualification of Mechanical and Electrical Equipment (cont'd.)	DCD10
1554	3.8.00.01.ii.30		DCD10
1555	3.8.00.01.ii.31		DCD10
1556	3.8.00.01.ii.32		DCD10
1557	3.8.00.01.ii.34		DCD10
1558	3.8.00.01.ii.35		DCD10
1559	3.8.00.01.ii.37		DCD10
1560	3.8.00.01.iii.01		DCD10
1561	3.8.00.01.iii.02		DCD10
1562	3.8.00.01.iii.03		DCD10
1563	3.8.00.01.iii.04		DCD10
1564	3.8.00.01.iii.05		DCD10
1565	3.8.00.01.iii.06		DCD10
1566	3.8.00.01.iii.07		DCD10
1567	3.8.00.01.iii.10		DCD10
1568	3.8.00.01.iii.11		DCD10
1569	3.8.00.01.iii.12		DCD10
1570	3.8.00.01.iii.13		DCD10
1571	3.8.00.01.iii.14		DCD10
1572	3.8.00.01.iii.15		DCD10
1573	3.8.00.01.iii.16		DCD10
1574	3.8.00.01.iii.17		DCD10
1575	3.8.00.01.iii.20		DCD10
1576	3.8.00.01.iii.21		DCD10
1577	3.8.00.01.iii.26		DCD10
1578	3.8.00.01.iii.27		DCD10
1579	3.8.00.01.iii.29		DCD10
1580	3.8.00.01.iii.30		DCD10
1581	3.8.00.01.iii.31		DCD10
1582	3.8.00.01.iii.32		DCD10
1583	3.8.00.01.iii.34		DCD10
1584	3.8.00.01.iii.35		DCD10
1585	3.8.00.01.iii.37		DCD10
1586	3.8.00.02.ii.01		DCD10
1587	3.8.00.02.ii.02		DCD10
1588	3.8.00.02.ii.04		DCD10
1589	3.8.00.02.ii.07		DCD10
1590	3.8.00.02.ii.13		DCD10
1591	3.8.00.02.ii.14		DCD10
1592	3.8.00.02.ii.15		DCD10
1593	3.8.00.02.ii.16		DCD10
1594	3.8.00.02.ii.17		DCD10
1595	3.8.00.02.ii.22		DCD10
1596	3.8.00.02.ii.23		DCD10
1597	3.8.00.02.ii.24		DCD10
1598	3.8.00.02.ii.25		DCD10
1599	3.8.00.02.ii.30		DCD10
1600	3.8.00.02.ii.31		DCD10
1601	3.8.00.02.ii.32		DCD10

1602	3.8.00.02.ii.33	Environmental and Seismic Qualification of Mechanical and Electrical Equipment (cont'd.)	DCD10
1603	3.8.00.02.ii.34		DCD10
1604	3.8.00.02.iii.01		DCD10
1605	3.8.00.02.iii.02		DCD10
1606	3.8.00.02.iii.04		DCD10
1607	3.8.00.02.iii.07		DCD10
1608	3.8.00.02.iii.13		DCD10
1609	3.8.00.02.iii.14		DCD10
1610	3.8.00.02.iii.15		DCD10
1611	3.8.00.02.iii.16		DCD10
1612	3.8.00.02.iii.17		DCD10
1613	3.8.00.02.iii.22		DCD10
1614	3.8.00.02.iii.23		DCD10
1615	3.8.00.02.iii.24		DCD10
1616	3.8.00.02.iii.25		DCD10
1617	3.8.00.02.iii.30		DCD10
1618	3.8.00.02.iii.31		DCD10
1619	3.8.00.02.iii.32		DCD10
1620	3.8.00.02.iii.33		DCD10
1621	3.8.00.02.iii.34		DCD10
1622	3.8.00.03.i.01		DCD10
1623	3.8.00.03.i.02		DCD10
1624	3.8.00.03.i.04		DCD10
1625	3.8.00.03.i.05		DCD10
1626	3.8.00.03.i.07		DCD10
1627	3.8.00.03.i.09		DCD10
1628	3.8.00.03.i.10		DCD10
1629	3.8.00.03.i.11		DCD10
1630	3.8.00.03.i.12		DCD10
1631	3.8.00.03.i.13		DCD10
1632	3.8.00.03.i.14		DCD10
1633	3.8.00.03.i.15		DCD10
1634	3.8.00.03.i.26		DCD10
1635	3.8.00.03.i.30		DCD10
1636	3.8.00.03.i.34		DCD10
1637	3.8.00.03.i.36		DCD10
1638	3.8.00.03.ii.01		DCD10
1639	3.8.00.03.ii.02		DCD10
1640	3.8.00.03.ii.04		DCD10
1641	3.8.00.03.ii.05		DCD10
1642	3.8.00.03.ii.07		DCD10
1643	3.8.00.03.ii.09		DCD10
1644	3.8.00.03.ii.10		DCD10
1645	3.8.00.03.ii.11		DCD10
1646	3.8.00.03.ii.12		DCD10
1647	3.8.00.03.ii.13		DCD10
1648	3.8.00.03.ii.14		DCD10
1649	3.8.00.03.ii.15		DCD10
1650	3.8.00.03.ii.26		DCD10

1651	3.8.00.03.ii.30	Environmental and Seismic Qualification of Mechanical and Electrical Equipment (cont'd.)	DCD10
1652	3.8.00.03.ii.34		DCD10
1653	3.8.00.03.ii.36		DCD10
1654	3.8.00.03.iii.01		DCD10
1655	3.8.00.03.iii.02		DCD10
1656	3.8.00.03.iii.04		DCD10
1657	3.8.00.03.iii.05		DCD10
1658	3.8.00.03.iii.07		DCD10
1659	3.8.00.03.iii.09		DCD10
1660	3.8.00.03.iii.10		DCD10
1661	3.8.00.03.iii.11		DCD10
1662	3.8.00.03.iii.12		DCD10
1663	3.8.00.03.iii.13		DCD10
1664	3.8.00.03.iii.14		DCD10
1665	3.8.00.03.iii.15		DCD10
1666	3.8.00.03.iii.26		DCD10
1667	3.8.00.03.iii.30		DCD10
1668	3.8.00.03.iii.34		DCD10
1669	3.8.00.03.iii.36		DCD10
1670	3.8.00.04.i.01		DCD10
1671	3.8.00.04.i.02		DCD10
1672	3.8.00.04.i.04		DCD10
1673	3.8.00.04.i.05		DCD10
1674	3.8.00.04.i.07		DCD10
1675	3.8.00.04.i.09		DCD10
1676	3.8.00.04.i.10		DCD10
1677	3.8.00.04.i.11		DCD10
1678	3.8.00.04.i.12		DCD10
1679	3.8.00.04.i.13		DCD10
1680	3.8.00.04.i.14		DCD10
1681	3.8.00.04.i.15		DCD10
1682	3.8.00.04.i.26		DCD10
1683	3.8.00.04.i.30		DCD10
1684	3.8.00.04.i.34		DCD10
1685	3.8.00.04.i.36		DCD10
1686	3.8.00.04.ii.01		DCD10
1687	3.8.00.04.ii.02		DCD10
1688	3.8.00.04.ii.04		DCD10
1689	3.8.00.04.ii.05		DCD10
1690	3.8.00.04.ii.07		DCD10
1691	3.8.00.04.ii.09		DCD10
1692	3.8.00.04.ii.10		DCD10
1693	3.8.00.04.ii.11		DCD10
1694	3.8.00.04.ii.12		DCD10
1695	3.8.00.04.ii.13		DCD10
1696	3.8.00.04.ii.14		DCD10
1697	3.8.00.04.ii.15		DCD10
1698	3.8.00.04.ii.26		DCD10
1699	3.8.00.04.ii.30		DCD10

1700	3.8.00.04.ii.34	Environmental and Seismic Qualification of Mechanical and Electrical Equipment (cont'd.)	DCD10
1701	3.8.00.04.ii.36		DCD10
1702	3.8.00.04.iii.01		DCD10
1703	3.8.00.04.iii.02		DCD10
1704	3.8.00.04.iii.04		DCD10
1705	3.8.00.04.iii.05		DCD10
1706	3.8.00.04.iii.07		DCD10
1707	3.8.00.04.iii.09		DCD10
1708	3.8.00.04.iii.10		DCD10
1709	3.8.00.04.iii.11		DCD10
1710	3.8.00.04.iii.12		DCD10
1711	3.8.00.04.iii.13		DCD10
1712	3.8.00.04.iii.14		DCD10
1713	3.8.00.04.iii.15		DCD10
1714	3.8.00.04.iii.26		DCD10
1715	3.8.00.04.iii.30		DCD10
1716	3.8.00.04.iii.34		DCD10
1717	3.8.00.04.iii.36		DCD10
1718	C.3.9.01.01 (C.2.3.01.01.01)*	Emergency Planning – Assignment of Responsibility – Organizational Control	COL5
1719	C.3.9.02.01 (C.2.3.01.02.01)*	Emergency Planning – Onsite Emergency Organization	COL5
1720	C.3.9.04.01.01 (C.2.3.01.04.01.01)*	Emergency Planning – Emergency Classification System	COL5
1721	C.3.9.04.01.02 (C.2.3.01.04.01.02)*		COL5
1722	C.3.9.05.01 (C.2.3.01.05.01)*	Emergency Planning – Notification Methods and Procedure	COL5
1723	C.3.9.05.02 (C.2.3.01.05.02)*		COL5
1724	C.3.9.05.03 (C.2.3.01.05.03)†		COL5
1725	C.3.9.06.01.01 (C.2.3.01.06.01.01)*	Emergency Planning – Emergency Communications	COL5
1726	C.3.9.06.01.02 (C.2.3.01.06.01.02)*		COL5
1727	C.3.9.06.01.03 (C.2.3.01.06.01.03)*		COL5
1728	C.3.9.06.02 (C.2.3.01.06.02)*		COL5
1729	C.3.9.07.01 (C.2.3.01.07.01)*	Emergency Planning – Public Education and Information	COL5
1730	C.3.9.08.01.01 (C.2.3.01.08.01.01)*	Emergency Planning Emergency Facilities and Equipment	COL5
1731	C.3.9.08.01.02 (C.2.3.01.08.01.02)*		COL5
1732	C.3.9.08.01.03		COL5

* Reference ITAAC number from COLA

† Reference ITAAC number from COLA

	(C.2.3.01.08.01.03)*	Emergency Planning Emergency Facilities and Equipment (cont'd.)	COL5
1733	C.3.9.08.01.04 (C.2.3.01.08.01.04)*		COL5
1734	C.3.9.08.01.05 (C.2.3.01.08.01.05)*		COL5
1735	C.3.9.08.01.06 (C.2.3.01.08.01.06)*		COL5
1736	C.3.9.08.01.07 (C.2.3.01.08.01.07)*		COL5
1737	C.3.9.08.01.08 (C.2.3.01.08.01.08)*		COL5
1738	C.3.9.08.02.01 (C.2.3.01.08.02.01)*		COL5
1739	C.3.9.08.02.02 (C.2.3.01.08.02.02)*		COL5
1740	C.3.9.08.03 (C.2.3.01.08.03)*		COL5
1741	C.3.9.08.04 (C.2.3.01.08.04)*		COL5
1742	C.3.9.08.05 (C.2.3.01.08.05)*		COL5
1743	C.3.9.08.06 (C.2.3.01.08.06)*		COL5
1744	C.3.9.09.01 (C.2.3.01.09.01)*	Emergency Planning – Accident Assessment	COL5
1745	C.3.9.09.02 (C.2.3.01.09.02)*		COL5
1746	C.3.9.09.03 (C.2.3.01.09.03)*		COL5
1747	C.3.9.09.04 (C.2.3.01.09.04)*		COL5
1748	C.3.9.09.05 (C.2.3.01.09.05)*		COL5
1749	C.3.9.09.06 (C.2.3.01.09.06)*		COL5
1750	C.3.9.09.07 (C.2.3.01.09.07)*		COL5
1751	C.3.9.09.08 (C.2.3.01.09.08)*		COL5
1752	C.3.9.09.09 (C.2.3.01.09.09)*	Emergency Planning – Accident Assessment (cont'd)	COL5
1753	C.3.9.10.01.01 (C.2.3.01.10.01.01)*	Emergency Planning – Protective Response	COL5
1754	C.3.9.10.01.02 (C.2.3.01.10.01.02)*		COL5
1755	C.3.9.10.01.03 (C.2.3.01.10.01.03)*		COL5
1756	C.3.9.10.01.04 (C.2.3.01.10.01.04)*		COL5
1757	C.3.9.10.01.05		COL5

1758	(C.2.3.01.10.01.05)* C.3.9.10.01.06	Emergency Planning – Protective Response (cont'd.)	COL5
1759	(C.2.3.01.10.01.06)* C.3.9.10.02		COL5
1760	(C.2.3.01.10.02)* C.3.9.10.03		COL5
	(C.2.3.01.10.03)*		COL5
1761	C.3.9.11.01	Emergency Planning – Radiological Exposure Control	COL5
1762	(C.2.3.01.11.01)* C.3.9.11.02		COL5
1763	(C.2.3.01.11.02)* C.3.9.11.03		COL5
1764	(C.2.3.01.11.03)* C.3.9.11.04		COL5
	(C.2.3.01.11.04)*		COL5
1765	C.3.9.12.01	Emergency Planning – Medical and Public Health Support	COL5
1766	(C.2.3.01.12.01)* C.3.9.12.02		COL5
1767	(C.2.3.01.12.02)* C.3.9.12.03		COL5
	(C.2.3.01.12.03)*		COL5
1768	C.3.9.14.01.01	Emergency Planning – Exercises and Drills	COL5
1769	(C.2.3.01.14.01.01)* C.3.9.14.01.02		COL5
1770	(C.2.3.01.14.01.02)* C.3.9.14.01.03		COL5
	(C.2.3.01.14.01.03)*	Emergency Planning – Exercises and Drills cont.	COL5
1771	C.3.9.15.01	Emergency Planning – Radiological Emergency Response Training	COL5
	(C.2.3.01.15.01)*		COL5
1772	C.3.9.16.01	Emergency Planning – Responsibility for the Planning Effort: Development, Periodic Review, and Distribution of Plan	COL5
	(C.2.3.01.16.01)*		COL5
1773	C.3.9.17.01	Emergency Planning – Implementing Procedures	COL5
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1774	C.3.10.01.01	Site-Specific Fill Concrete Under Seismic Category I Structures	COL5
	(C.2.4.01)*		COL5
1775	C.3.10.02.01	Site-Specific Backfill Surrounding Seismic Category I Structures	COL5
	(C.2.4.02.01)*		COL5

* Reference ITAAC number from COLA