

Tuesday, June 03, 2003

Document Update Notification

COPYHOLDER NO: 103

TO: ANO-NRC (EMERGENCY RESPONSE
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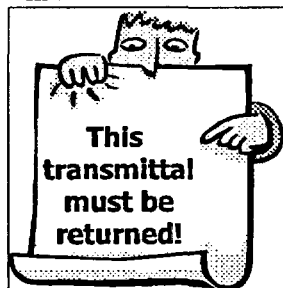
DOCUMENT NO: OP-1903.001

TITLE: ORGANIZATION AND USE OF
EMERGENCY PLAN IMPLEMENTING
PROCEDURES

CHANGE NO: 016-02-0

ADDITIONAL INFO: PERMANENT CHANGE

☒ ← If this box is checked, please sign, date, and return within 5 days.



☐ ANO-1 Docket 50-313

☐ ANO-2 Docket 50-368

Signature

Date

SIGNATURE CONFIRMS UPDATE HAS BEEN MADE

RETURN TO:

ATTN: DOCUMENT CONTROL-(N-ADMIN-24)
ARKANSAS NUCLEAR ONE
1448 SR 333
RUSSELLVILLE, AR 72801

A045

ENTERGY OPERATIONS INCORPORATED ARKANSAS NUCLEAR ONE

**TITLE: ORGANIZATION AND USE OF EMERGENCY
PLAN AND IMPLEMENTING PROCEDURES**

DOCUMENT NO.
1903.001

CHANGE NO.
016-01-0 *22 4/3/03*

WORK PLAN EXP. DATE
N/A

TC EXP. DATE
N/A

SET # *103*

SAFETY-RELATED
☒ YES ☐ NO

IPTE
☐ YES ☒ NO

TEMP ALT
☐ YES ☒ NO

When you see these TRAPS

Get these TOOLS

Time Pressure
Distraction/Interruption
Multiple Tasks
Overconfidence
Vague or Interpretive Guidance
First Shift/Last Shift
Peer Pressure
Change/Off Normal
Physical Environment
Mental Stress (Home or Work)

Effective Communication
Questioning Attitude
Placekeeping
Self Check
Peer Check
Knowledge
Procedures
Job Briefing
Coaching
Turnover

VERIFIED BY

DATE

TIME

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FORM TITLE:

VERIFICATION COVER SHEET

FORM NO.
1000.006A

CHANGE NO.
050-00-0

ENTERGY OPERATIONS INCORPORATED ARKANSAS NUCLEAR ONE

Page 1

TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN AND IMPLEMENTING PROCEDURES

DOCUMENT NO.
1903.001

CHANGE NO.
016-01-0

AFFECTED UNIT: ☒ UNIT 1 ☒ UNIT 2 ☒ PROCEDURE ☐ ELECTRONIC DOCUMENT
☐ WORK PLAN, EXP. DATE N/A SAFETY-RELATED ☒ YES ☐ NO

TYPE OF CHANGE:
☐ NEW ☒ PC ☐ TC ☐ DELETION
☐ REVISION ☒ EZ EXP. DATE: N/A

DOES THIS DOCUMENT:

1. Supersede or replace another procedure? (If YES, complete 1000.006B for deleted procedure.) (OCAN058107) ☐ YES ☒ NO
2. Alter or delete an existing regulatory commitment? (If YES, coordinate with Licensing before implementing.) (OCNA128509)(OCAN049803) ☐ YES ☒ NO
3. Require a 50.59 review per LI-101? (See also 1000.006, Attachment 15) (If 50.59 evaluation, OSRC review required.) ☐ YES ☒ NO
4. Cause the MTCL to be untrue? (See Step 8.5 for details.) (If YES, complete 1000.009A) (1CAN108904, 0CAN099001, 0CNA128509, 0CAN049803) ☐ YES ☒ NO
5. Create an Intent Change? (If YES, Standard Approval Process required.) ☐ YES ☒ NO
6. Implement or change IPTE requirements? (If YES, complete 1000.143A. OSRC review required.) ☐ YES ☒ NO
7. Implement or change a Temporary Alteration? (If YES, then OSRC review required.) ☐ YES ☒ NO

Was the Master Electronic File used as the source document? ☒ YES ☐ NO

INTERIM APPROVAL PROCESS

STANDARD APPROVAL PROCESS

INITIATOR SIGNATURE: (Includes review of Att. 13) DATE:

ORIGINATOR SIGNATURE: (Includes review of Att. 13) DATE: 5/10/03

Print and Sign name: PHONE #:

Print and Sign name: Robert L. Fowler PHONE #: 4993

SUPERVISOR APPROVAL: DATE:

INDEPENDENT REVIEWER: DATE:

SRO UNIT ONE: ** DATE:

ENGINEERING: DATE:

SRO UNIT TWO: ** DATE:

QUALITY: DATE:

Interim approval allowed for non-intent changes requiring no 50.59 evaluation that are stopping work in progress.

UNIT SURVEILLANCE COORDINATOR (OCNA049803): DATE:

Standard Approval required for intent changes or changes requiring a 50.59 evaluation.

SECTION LEADER: DATE: 5/14/03

*If change not required to support work in progress, Department Head must sign.

QUALITY ASSURANCE: DATE:

**If both units are affected by change, both SRO signatures are required. (SRO signature required for safety related procedures only.)

OTHER SECTION LEADERS: DATE:

OTHER SECTION LEADERS: DATE:

OTHER SECTION LEADERS: DATE:

OTHER SECTION LEADERS: DATE:

OSRC CHAIRMAN/TECHNICAL REVIEWER: (OCNA049312) DATE:

OTHER SECTION LEADERS: DATE:

FINAL APPROVAL: DATE: 5/21/03

OTHER SECTION LEADERS: DATE:

REQUIRED EFFECTIVE DATE: 6/3/03

OTHER SECTION LEADERS: DATE:

FORM TITLE:
PROCEDURE/WORK PLAN APPROVAL REQUEST

FORM NO.
1000.006B

CHANGE NO.
051-00-0

**ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE**

**TITLE: ORGANIZATION AND USE OF EMERGENCY
PLAN AND IMPLEMENTING PROCEDURES**

DOCUMENT NO.
1903.001

CHANGE NO. ⁰³ ~~01~~ ^{4/3/03}
016-01-0

☒ **PROCEDURE** ☐ **WORK PLAN, EXP. DATE** N/A

PAGE 1 **OF** 1

☐ **ELECTRONIC DOCUMENT**

TYPE OF CHANGE:

☐ **NEW**

☒ **PC**

☐ **TC**

☐ **DELETION**

☐ **REVISION**

☒ **EZ**

EXP. DATE: N/A

AFFECTED SECTION:
(Include step # if applicable)

DESCRIPTION OF CHANGE: (For each change made, include sufficient detail to describe reason for the change.)

Note: These changes do not require a 10CFR50.59 review in accordance with Attachment 15 of procedure 1000.006, "Procedure Control".

Throughout procedure

Changed or deleted references to the following procedures or procedure series as they have been previously deleted:

1012.023
1063.021
1600 and 2600 Series
1601.301
1903.061
1903.071
1903.077
1904.004
1904.005
1904.010
1904.011
1905.005
1905.030

6.2.6

Changed title of 1000.104 and added reference to LI-102.

FORM TITLE:

DESCRIPTION OF CHANGE

FORM NO.
1000.006C

CHANGE NO.
050-00-0

| | | |
|--|---|---|
| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 1 of 20 CHANGE: 016-02-0 |
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1.0 PURPOSE

The purpose of this procedure is to:

- 1.1 Describe the organization of the Emergency Plan Implementing procedures.
- 1.2 Describe the relationship of the Emergency Plan Implementing Procedures to other plant procedures.
- 1.3 Describe a method for making use of the Emergency Plan Implementing Procedures in the event of an emergency.

2.0 SCOPE

The organizational guidance contained in this procedure applies to Unit One and Unit Two procedures that would involve response as indicated in the Emergency Plan.

3.0 REFERENCES

3.1 REFERENCES USED IN PROCEDURE PREPARATION:

3.1.1 Emergency Plan

3.2 REFERENCES USED IN CONJUNCTION WITH THIS PROCEDURE:

- 3.2.1 Station Directive A6.202 "Public Communications"
- 3.2.2 1000.104, "Condition Reporting and Corrective Actions"
- 3.2.3 1202 Series Procedures - Emergency Operating Procedures (Unit 1)
- 3.2.4 1203 Series Procedures - Abnormal Operating Procedures (Unit 1)
- 3.2.5 1601 Series Procedures - Radiation Protection Procedures
- 3.2.6 1043 Series Procedures - Security Administration Procedures
- 3.2.7 1903 Series Procedures - Emergency Plan Implementing Procedures
- 3.2.8 1904 Series Procedures - EPIP Offsite Dose Projection Procedures
- 3.2.9 1905 Series Procedures - EPIP Emergency Radiation Protection Procedures
- 3.2.10 2202 Series Procedures - Emergency Operating Procedures (Unit 2)
- 3.2.11 2203 Series Procedures - Abnormal Operating Procedures (Unit 2)
- 3.2.12 1063 Series Procedures - Training Administration Procedures
- 3.2.13 1000.150, "Licensing Document Maintenance"

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 2 of 20 CHANGE: 016-02-0 |
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3.3 RELATED AND PROCEDURES:

3.3.1 Fire Hazards Analysis

3.3.2 Arkansas Nuclear One Industrial Security Plan

3.4 REGULATORY CORRESPONDENCE CONTAINING NRC COMMITMENTS WHICH ARE IMPLEMENTED IN THIS PROCEDURE:

None

4.0 DEFINITIONS

4.1 Emergency Action Level - A plant or onsite condition which has exceeded predetermined limits which would categorize the situation into one of the following four Emergency Classes:

Notification of Unusual Event
Alert
Site Area Emergency
General Emergency

For each class, the Emergency Plan and Emergency Plan Implementing Procedures describe the actions to be taken to respond to the unusual or emergency situation.

4.2 Initial Response Staff (IRS) - The emergency organization primarily composed of plant personnel which must be able to augment the onsite plant personnel in accordance with Table B-1 of the Emergency Plan.

4.3 Emergency Response Organization (ERO) - The organization which is composed of the IRS, the EOF staff, the TSC staff, the OSC staff, and the Emergency Team members. It has the capability to provide manpower and other resources necessary for immediate and long-term response to an emergency situation.

5.0 RESPONSIBILITY AND AUTHORITY

As described in Section 6.0.

6.0 INSTRUCTIONS

6.1 ORGANIZATION OF THE EMERGENCY PLAN IMPLEMENTING PROCEDURES

6.1.1 The Emergency Plan describes the provisions taken and commitments made to cope with unusual or emergency situations. The details of implementation of the Emergency Plan, e.g., names and telephone numbers, specific items of equipment and supplies, inventory lists, and step-by-step instructions and checklists are contained in the Emergency Plan Implementing Procedures and Emergency Telephone Directory.

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 3 of 20 CHANGE: 016-02-0 |
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- 6.1.2 The 190X.XXX series of procedures have been designated as Emergency Plan Implementing Procedures. Attachments 1, 2 and 3 list Emergency Plan Implementing Procedures and briefly describe the procedures. Attachment 4 cross references the procedures to related Emergency Plan sections and NUREG-0654 evaluation criteria. Within the 190X.XXX series designator, subjects and responsibilities for the Emergency Plan Implementing Procedures have been subdivided as follows:
- A. 1903.XXX - The Emergency Planning Supervisor has primary responsibility for these procedures. This series of procedures contains the majority of the details of implementation of the Emergency Plan.
 - B. 1904.XXX - The Emergency Planning Supervisor has primary responsibility for these procedures. These procedures contain the details for calculating the magnitude of radioactive releases and offsite doses.
 - C. 1905.XXX - The Radiation Protection and Radwaste Manager has primary responsibility for these procedures. These procedures contain the details on radiological equipment and monitoring methods utilized during an emergency.
- 6.1.3 To facilitate the use of the Emergency Plan Implementing Procedures in the event of an emergency, the 1903.XXX series of procedures have been further subdivided as follows:
- A. 1903.00X - Address the administration, organization, and maintenance of the Emergency Plan and Implementing Procedures.
 - B. 1903.01X - Contain the guidance for classifying an unusual or emergency situation and provide the overall description of the response that is required once an unusual or emergency situation is classified including notification and activation of emergency response personnel.
 - C. 1903.02X - Provide guidance for certain specific types of emergencies.
 - D. 1903.03X - Provide guidance on the conduct of evacuation and rescue/repair and damage control operations.
 - E. 1903.04X - Provide guidance to the Emergency Response Teams in the Initial Response Staff/Emergency Response Organization and describe the responsibilities of these positions in the event of an emergency.

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 4 of 20 CHANGE: 016-02-0 |
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- F. 1903.05X - Provide guidance on the organization and responsibilities of the Emergency Response Organization which may be activated to assist the plant organization for more serious or long-term situations.
- G. 1903.06X - Provide guidance for checking and maintaining the equipment and facilities required for an emergency response and also details the responsibilities of the Emergency Response Organization personnel per their designated Emergency Response Facility.
- H. 1903.07X - Provide guidance on interface with onsite, local, State and Federal support groups with regard to the responses expected of the support groups.

6.2 RELATIONSHIP OF THE EMERGENCY PLAN IMPLEMENTING PROCEDURES TO OTHER PLANT PROCEDURES

- 6.2.1 Activation of the Emergency Plan does not supersede the use of other plant procedures. Rather, the Emergency Plan Implementing Procedures are intended to supplement normal plant procedures and do not supersede other plant procedures unless specifically stated.
- 6.2.2 Operations personnel actions to recognize and recover from unusual or emergency conditions are contained in Emergency Operating Procedures, 1200 and 2200 series procedures. The 1903.1XX procedures contain the guidance for classifying unusual or emergency conditions for purposes of the emergency organization response.
- 6.2.3 Requirements for radiological monitoring and personnel exposure limits are contained in the Radiation Protection Procedures. However, in the event of an emergency, allowable exposure limits may be increased above the normal radiation exposure limits in accordance with the requirements contained in procedure 1903.033, "Protective Action Guidelines for Rescue/Repair and Damage Control Teams".
- 6.2.4 The participation of the security force in the overall emergency response is described in the Emergency Plan Implementing Procedures. However, sensitive details of the response of security personnel to an emergency are contained in the Security Plan Implementing Procedures (1043 Series Procedures).
- 6.2.5 Communications with the media in the event of an emergency shall be in accordance with Station Directive A6.202, "Public Communications" and 1903.068, "Emergency Response Facility - Emergency News Center (ENC)".

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6.2.6 Preparation and review of written reports to the Nuclear Regulatory Commission to close out an emergency shall be in accordance with Procedure 1000.104, "Condition Reporting Operability and Immediate Reportability Determinations" and LI-102, "Corrective Action Process".

6.2.7 Training of Arkansas Nuclear One personnel on their emergency- related responsibilities and drills and exercises to maintain emergency readiness shall be in accordance with current Training Procedures.

6.3 USE OF THE EMERGENCY PLAN IMPLEMENTING PROCEDURES

6.3.1 Each TSC Director/EOF Director, when on duty, shall maintain ready access to a binder which contains copies of appropriate Emergency Plan Implementing Procedures and other appropriate emergency related plant procedures.

6.3.2 In certain Emergency Plan Implementing Procedures a line is placed in the right hand margin to allow the user to insert his initials and the approximate time the step is taken, as appropriate. By taking this action, the user may identify which steps have been taken and which steps remain to be taken, and he also generates a record of key actions taken. If appropriate, the user is encouraged to write notes on the procedure, or on a separate piece of paper kept with the procedure, to document his actions.

6.3.3 At the end of the incident, appropriate forms, logs, marked up procedures and notes should be provided to the Emergency Operations Facility Director.

6.3.4 Appropriate forms, logs, marked-up procedures and notes should be turned over to the Emergency Planning Supervisor for filing.

6.3.5 The Emergency Planning Supervisor shall ensure that a written summary of the event is submitted to the Arkansas Department of Health within 30 days of the event.

7.0 ATTACHMENTS AND FORMS

7.1 Attachment 1 - "1903 Series - Emergency Plan Implementing Procedures"

7.2 Attachment 2 - "1904 Series - Offsite Dose Projection Procedures"

7.3 Attachment 3 - "1905 Series - Emergency Radiation Protection Procedures"

7.4 Attachment 4 - "Cross Reference Index - NUREG-0654/Procedures/ Emergency Plan"

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ATTACHMENT 1

1903 SERIES - EMERGENCY PLAN IMPLEMENTING PROCEDURES

Page 1 of 4

| <u>Procedure Number</u> | <u>Procedure Title</u> | <u>Description</u> |
|-------------------------|--|---|
| 1903.001 | Organization and Use of Emergency Plan Implementing Procedures | Describes the organization of the Emergency Plan Implementing Procedures, the method for implementing the procedures in the event of an emergency and the relationship of the Emergency Plan Implementing Procedures to other plant procedures. Also provides a cross reference list to the Emergency Plan section and NUREG-0654 criteria implemented. |
| 1903.002 | Assignment of Plant Emergency Team/Group Members | Assigns members of the plant staff, by normal organizational structure positions, to Initial Response Staff/Emergency Response Organization and Emergency Teams/Groups. |
| 1903.003 | Assignment of Personnel to the Emergency Response Organization | Assigns Emergency Operations and AP&L employees to Emergency Response Organization positions. Describes the methods used to assign personnel and relieve personnel of ERO duties. Provides information on the normal location for ERO members. |
| 1903.004 | Administration and Maintenance of the Emergency Plan and Implementing Procedures | Describes the responsibilities and methods for review, revision and maintenance of the Emergency Plan and Implementing Procedures. |
| 1903.010 | Emergency Action Level Classification | Identifies the plant conditions and unusual events which classify the Emergency Action Levels for which implementation of the Emergency Plan is required. |
| 1903.011 | Emergency Response/Notifications | Identifies the actions to be taken, including notifications, when the requirement for a declaration of an Emergency Class is identified. |

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 7 of 20 CHANGE: 016-02-0 |
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ATTACHMENT 1

1903 SERIES - EMERGENCY PLAN IMPLEMENTING PROCEDURES

Page 2 of 4

| <u>Procedure Number</u> | <u>Procedure Title</u> | <u>Description</u> |
|-----------------------------|---|--|
| 1903.021 | ARKLA Natural Gas Line Rupture | Describes the actions to be taken if the 10-inch ARKLA natural gas line onsite ruptures or develops a leak. |
| 1903.023 | Personnel Emergency | Provides guidance to ANO personnel on how to respond to an Emergency Plan related medical emergency which may also involve contamination. Provides guidance on the coordination of St. Mary's Hospital, Occupational Medical Consultants (OMC), the Pope County Emergency Medical Service and ANO activities in the event of a medical emergency at ANO. |
| 1903.030 | Evacuation | Provides the symptoms for which a Localized, Plant, Exclusion Area and/or Offsite Evacuation should be declared and the subsequent actions to be taken by plant personnel. |
| 1903.033 | Protective Action Guidelines for Rescue/Repair and Damage Control Teams | Provides guidance to ANO personnel for responding to and performing reentries into hazardous areas. |
| 1903.034 | Emergency Operations Facility Evacuation | Describes the symptoms for an EOF evacuation and the activities related to the relocation of personnel to the Alternate EOF. |
| 1903.035 | Administration of Potassium Iodide | Provides guidance for the administration of potassium iodide (KI) to ANO and contractor employees. |
| 1903.042 | Duties of the Emergency Medical Team | Provides guidance to the Emergency Medical Team on the responsibilities of the team for emergency situations. |

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 8 of 20 CHANGE: 016-02-0 |
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ATTACHMENT 1

1903 SERIES - EMERGENCY PLAN IMPLEMENTING PROCEDURES

Page 3 of 4

| <u>Procedure Number</u> | <u>Procedure Title</u> | <u>Description</u> |
|-----------------------------|--|--|
| 1903.043 | Duties of the Emergency Radiation Team | Provides guidance to the Onsite Radiological Monitoring Section and Offsite Radiological Monitoring Section of the Emergency Radiation Team for emergency situations. |
| 1903.053 | Logistical Support | Provides guidance in obtaining logistical support services which may be required by the ERO including lodging, food, laundry, office equipment and services, emergency facilities repair and transportation. |
| 1903.060 | Emergency Supplies and Equipment | Describes the contents of the emergency kits and the requirements for their periodic inventory and maintenance. |
| 1903.062 | Communications System Operating Procedure | Describes the communications system available for emergency response and instructions on how to use the equipment. |
| 1903.064 | Emergency Response Facility - Control Room | Describes the layout and activation requirements of the Control Room(s) and the responsibilities of the facility staff. |
| 1903.065 | Emergency Response Facility - Technical Support Center (TSC) | Describes the layout and activation requirements of the TSC and the responsibilities of the facility staff. |
| 1903.066 | Emergency Response Facility - Operational Support Center (OSC) | Describes the layout and activation requirements of the OSC and the responsibilities of the facility staff. |

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 9 of 20 CHANGE: 016-02-0 |
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ATTACHMENT 1

1903 SERIES - EMERGENCY PLAN IMPLEMENTING PROCEDURES

Page 4 of 4

| <u>Procedure Number</u> | <u>Procedure Title</u> | <u>Description</u> |
|-----------------------------|---|---|
| 1903.067 | Emergency Response Facility - Emergency Operations Facility (EOF) | Describes the layout and activation requirements of the EOF and the responsibilities of the facility staff. |
| 1903.068 | Emergency Response Facility - Emergency News Center (ENC) | Describes the layout and activation requirements of the ENC and the responsibilities of the facility staff. Also provides guidance for coordination and distribution of public information releases, and communications with the media. |

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 10 of 20 CHANGE: 016-02-0 |
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ATTACHMENT 2

1904 SERIES - OFFSITE DOSE PROJECTION PROCEDURES

Page 1 of 1

| <u>Procedure Number</u> | <u>Procedure Title</u> | <u>Description</u> |
|-----------------------------|---|--|
| 1904.002 | Offsite Dose Projections - RDACS Computer Method | Provides a means to determine the radiological release status, meteorology and the offsite dose consequences in the vicinity of ANO using the Radiological Dose Assessment Computer System (RDACS). |

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 11 of 20 CHANGE: 016-02-0 |
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ATTACHMENT 3

1905 SERIES - EMERGENCY RADIATION PROTECTION PROCEDURES

Page 1 of 1

| <u>Procedure Number</u> | <u>Procedure Title</u> | <u>Description</u> |
|-------------------------|--|---|
| 1905.001 | Emergency Radiological Controls | Provides guidance for following radiological control practices during emergency situations. |
| 1905.002 | Offsite Emergency Monitoring | Provides guidance to the Offsite Monitoring Section of the Emergency Radiation Team for documentation of offsite radiological monitoring and sampling activities. |
| 1905.003 | Radiological Protection Requirements for Post Accident Sampling of Reactor Coolant | Specifies radiological protection requirements for Post Accident Sampling. |
| 1905.004 | EOF Radiological Controls | Provides guidance for radiological control practices at the EOF during emergencies. |
| 1905.031 | Airborne Iodine-131 Determination Using an RM-14/HP-210 | Provides instruction on the use of the RM-14/HP-210 for determining Iodine-131 airborne concentration. |

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| PROC./WORK PLAN NO. 1903.001 | PROCEDURE/WORK PLAN TITLE: ORGANIZATION AND USE OF EMERGENCY PLAN IMPLEMENTING PROCEDURES | PAGE: 12 of 20 CHANGE: 016-02-0 |
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ATTACHMENT 4

CROSS REFERENCE INDEX - NUREG-0654/PROCEDURES/EMERGENCY PLAN

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| <u>NUREG-0654 PLANNING STANDARD</u> | <u>PROCEDURE REFERENCE</u> | <u>EMERGENCY PLAN REFERENCE</u> |
|---|--|--|
| A.1.a | 1903.053 | A.2; C |
| A.1.b | 1903.053 | A.1; C |
| A.1.c | N/A | Figures B-5, B-7, B-8 |
| A.1.d | 1903.002 1903.003 | B, Figures B-2, B-4, B-6 |
| A.1.e | 1903.003 1903.010 1903.011 | B.4; F.1, F.2 |
| A.2.a | N/A | N/A (Section B) |
| A.2.b | N/A | N/A |
| A.3 | 1903.023 1903.053 | A; C; Appendix 1 |
| A.4 | 1903.003 | B.2, B.3, B.4, Figures B-2, B-4, B-6 |
| B.1 | 1903.002 1903.010 1903.011 | B.1, B.2, B.3, Table B-1, Figures B-1, B-2, B-4, |
| B.2 | 1903.002 1903.010 1903.011 | B.2, B.2.1, B.3, B.3.1 |
| B.3 | 1903.064 1903.065 1903.067 | B |
| B.4 | 1903.064 1903.067 | B.2.1, B.3.1 B.3.2, B.4 |
| B.5 | 1903.002 1903.003 1903.010 1903.011 | B.2, B.3, B.4, Table B-1, Figure B-6, M.2 |

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ATTACHMENT 4

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| <u>NUREG-0654 PLANNING STANDARD</u> | <u>PROCEDURE REFERENCE</u> | <u>EMERGENCY PLAN REFERENCE</u> |
|---|--|--|
| B.6 | 1903.064 1903.065 1903.066 1903.067 1903.068 | A; B.4, Figures B-5, B-7, B-8, C |
| B.7 | 1903.002 1903.003 1903.004 1903.010 1903.011 | B.2, B.3, B.4, Table B-1, Figures B-2, B-4, B-8, B-9, B-10; M.2 |
| B.7.a | 1903.067 | B.3.1.3, B.3.2.6, M.2.4 |
| B.7.b | 1903.033 1903.053 1903.065 1903.066 | B.3.2.1, B.3.2.3, B.3.2.4, B.3.2.6; M.2.1, M.2.2, M.2.5, M.2.6, M.2.7, M.2.8, M.2.9 |
| B.7.c | 1903.010 1903.011 1903.052 1903.064 1903.065 1903.066 1903.067 1903.068 | B.2.1, B.3.1, B.3.2.1, B.4.0, B.4.2 |
| B.7.d | 1903.068 1903.067 | B.2.1, B.3.1, B.3.1.1, B.3.2.1, G.2, G.3 |
| B.8 | 1903.053 | A.2.7, C.6 |
| B.9 | 1015.007 1903.023 | A.2.3, A.2.4, A.2.5; C.3; Appendix 1 |
| C.1.a | 1903.067 | C.1 |
| C.1.b | N/A | C.2 |
| C.1.c | 1903.064 1903.065 1903.066 1903.067 | C.5 |

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| C.2.a | N/A | N/A |
| C.2.b | 1903.002 1903.010 1903.011 | A.2.1.1; C.3 |
| C.3 | 1904.002 1905.002 | C.4 |
| C.4 | 1903.053 | A.2.6, A.2.7; C.2, C.6.0; Appendix 1 |
| D.1 | 1903.010 1903.011 | D.1, D.2, D.3, D.4, D.5, D.6, Tables D-1, D-2 |
| D.2 | 1903.010 | D.6, Tables D-1, D-2 |
| D.3 | N/A | N/A |
| D.4 | N/A | N/A |
| E.1 | 1903.010 1903.011 | E.1 |
| E.2 | 1903.010 1903.011 | E.1, F.3 |
| E.3 | 1903.010 1903.011 | E.2 |
| E.4 | 1903.010 1903.011 | E.2 |
| E.5 | N/A | N/A |
| E.6 | 1903.004 1903.010 1903.011 1903.030 | E.3, E.4, H.2.4 |
| E.7 | 1903.010 1903.011 1903.030 INTRO | E.4; G.1, G.2, G.3; J.2; Appendix 6 |
| F.1.a | 1903.010 1903.011 | E.1; F.1, Figure F-1 |

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| F.1.b | 1903.010 1903.011 1903.068 | F.2.1, Figure F-1, Table F-1 |
| F.1.c | 1903.010 1903.011 1903.068 | F.2.1, Figure F-1, Table F-1 |
| F.1.d | 1903.004 1903.010 1903.011 1903.068 1903.043 | F.2.1, F.2.2, F.2.4, Table F-1; H.2 |
| F.1.e | 1903.010 1903.011 | E.1; F.1, Figure F-1 |
| F.1.f | N/A | F.2, Table F-1, H.2 |
| F.2 | 1903.023 | F.2.3, Figure F-1, Table F-1 |
| F.3 | 1903.004 1903.062 | E.3; F.2.1; H.2 |
| G.1 | 1903.004 | INTRO; G.1.1, G.1.2 |
| G.2 | 1903.004 | G.1.2 |
| G.3.a | 1903.068 1903.067 | G.2 |
| G.3.b | 1903.067 1903.068 | G.2 |
| G.4.a | 1903.067 1903.068 | G.3 |
| G.4.b | 1903.068 | G.3 |
| G.4.c | 1903.068 | G.3 |
| G.5 | 1903.004 1903.068 | G.4 |

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| H.1 | 1903.065 1903.066 | H.1.2, H.1.3 |
| H.2 | 1903.067 | H.1.4 |
| H.3 | N/A | N/A |
| H.4 | 1903.002 1903.003 1903.010 1903.011 1903.064 1903.065 1903.066 1903.067 | B; E; F; H.1 |
| H.5 | 1903.010 | H.3.1, H.6, I.2 |
| H.5.a | N/A | H.3.1, I.2.1.2 |
| H.5.b | N/A | H.3.1; I.2.2 |
| H.5.c | N/A | H.3.1;, I.2.2 |
| H.5.d | N/A | H.6; I.2.1.1 |
| H.6.a | 1904.002 | I.2.1.2 |
| H.6.b | 1903.060 | I.2.2.3.c, I.2.3.3; K.1.2 |
| H.6.c | N/A | H.3.2 |
| H.7 | 1903.043 1903.060 | H.3.2; J.2.5 |
| H.8 | 1904.002 | H.3.1; 1.2.2.4 |
| H.9 | 1903.060 1903.066 | H.1.3; H.1.4 Appendix 4 |
| H.10 | 1903.060 | H.3.2 |
| H.11 | 1903.060 | Appendix 4 |

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| H.12 | 1903.066 1903.067 | H.1.4, H.3.2; I.2.3.2 |
| I.1 | Emergency Operating Procedures 1903.010 | D.6, D.7 |
| I.2 | Emergency Operating Procedures | I.2.2.2, I.2.2.3 I.2.2.6, |
| I.3.a | 1904.002 | I.2.2.7 |
| I.3.b | 1904.002 | I.2.2.7 |
| I.4 | 1904.002 | I.3 |
| I.5 | 1904.002 | I.2.2.4 |
| I.6 | 1904.002 | I.2.2.3, I.2.2.6, I.2.2.7 |
| I.7 | 1903.043 1903.060 | I.2.3 |
| I.8 | 1903.010 1903.011 1903.043 1903.060 | E; F; H.2.1, H.3.2, H.7.0; I.2.3 |
| I.9 | 1903.060 | I.2.3.3 |
| I.10 | 1904.002 | I.3.1 |
| I.11 | 1904.002 | N/A |
| J.1 | 1903.010 1903.011 1903.030 | J.1.1, J.1.2, J.1.3, J.1.4 J.2.2, J.2.3 |
| J.2 | 1903.030 | J.1.2, J.1.3, J.1.7 |
| J.3 | 1903.030 | J.1.3.1, J.1.7.1 |

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| J.4 | RP Procedures 1903.011 1903.030 1905.001 | J.1.1, J.1.3.1; K.3.1.1 |
| J.5 | 1903.010 1903.011 1903.030 1903.064 1903.065 1903.066 1903.067 | J.1.6.2 |
| J.6 | 1905.001 | J.1.7 |
| J.7 | 1903.010 1903.011 1903.064 1903.065 1903.067 | J.2.1, J.2.2 |
| J.8 | N/A | J.2.3 |
| J.9 | N/A | M.3.5 |
| J.10.a | 1903.010 1903.011 1903.030 1903.060 1903.064 1903.065 1903.067 | J.2.1.3 |
| J.10.b | N/A | J.2.1.3 |
| J.10.c | 1903.010 1903.011 1903.030 | J.2.2, J.2.3 |
| J.10.d thru J.10.e | N/A | N/A |
| J.11 | N/A | N/A |
| J.12 | N/A | N/A |
| K.1 | 1903.033 | K.1.1 M.3.5 |

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| K.2 | 1903.033 1905.001 | K.1.1 M.3.5 |
| K.3.a | 1905.001 | K.1.2 |
| K.3.b | 1905.001 | K.1.2 |
| K.4 | 1903.033 | N/A |
| K.5.a | RP Procedures | K.3 |
| K.5.b | RP Proceduers | K.3, K.4 |
| K.6.a | 1905.001 | K.2.1 |
| K.6.b | N/A | K.2.3 |
| K.6.c | N/A | K.3.0 |
| K.7 | RP Procedures 1903.060 | K.3.1 |
| L.1 | 1903.023 1903.042 | L.3.0 |
| L.2 | 1903.023 1903.042 | L.1.0, 0.2.4 |
| L.3 | N/A | N/A |
| L.4 | 1903.023 | L.2.0 |
| M.1 | 1903.033 | M.1.0, M.3.0 |
| M.2 | N/A | M.2.0 |
| M.3 | 1903.064 1903.065 1903.066 1903.067 | M.1.0 |
| M.4 | N/A | I.3.1 |
| N.1.a | Training Procedure 1903.004 | N.1.0 |
| N.1.b | Training Procedure | N.1.0 |
| N.2.a | Training Procedure | N.2.1 |

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| N.2.b | Training Procedure | N.2.2 |
| N.2.c | Training Procedure | N.2.3 |
| N.2.d | Training Procedure | N.2.4 |
| N.2.e | Training Procedure | N.2.5 |
| N.3 | Training Procedure | N.3.0 |
| N.4 | Training Procedure | N.3.0, N.4.0 |
| N.5 | Training Procedure 1903.004 | N.4.0 |
| 0.1.a | Training Procedure | 0.3.0 |
| 0.1.b | N/A | N/A |
| 0.2 | Training Procedure | N; 0.1.0, 0.2.0 |
| 0.3 | Training Procedure | 0.2.4 |
| 0.4 | Training Procedure | 0.1.0, 0.2.0, 0.3.0 |
| 0.5 | Training Procedure | 0.1.0, 0.2.0, 0.3.0 |
| P.1 | 1903.004 | P.4.0 |
| P.2 | N/A | P.1.0 |
| P.3 | 1903.004 | P.1.0 |
| P.4 | 1903.004 | P.2.0 |
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