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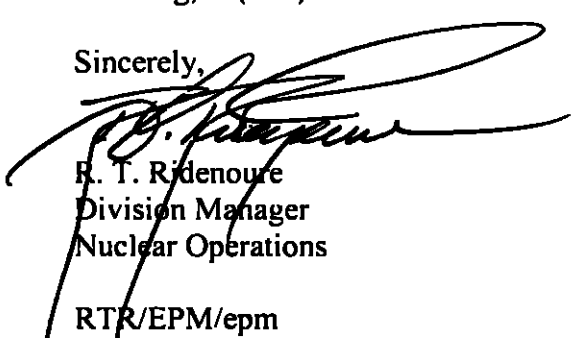
**SUBJECT: Fort Calhoun Station 2003 Emergency Preparedness Exercise**

Enclosed are the Scope and Objectives for the Fort Calhoun Station 2003 Emergency Preparedness Exercise to be conducted on Tuesday, June 24, 2003. Omaha Public Power District (OPPD) is providing this information ninety days prior to the exercise in accordance with established standards.

A copy of this transmittal is also being sent to the Federal Emergency Management Agency (FEMA), Region VII, for their information. Because the states of Iowa and Nebraska have communicated directly with FEMA concerning their Extent of Play memorandums, OPPD encloses only the onsite objectives in this transmittal. The Offsite Response Organizations' exercise objectives are not included in this transmittal, but are available directly from FEMA, Region VII. OPPD will submit a complete scenario package to the NRC and FEMA sixty days prior to the exercise.

If you should have any questions please contact Mr. Carl F. Simmons, Supervisor - Emergency Planning, at (402) 533-6340.

Sincerely,



R. T. Ridenoure  
Division Manager  
Nuclear Operations

RTR/EPM/epm

Enclosure

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Employment with Equal Opportunity

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# **EXERCISE MANUAL**

**FOR THE  
JUNE 24, 2003  
FORT CALHOUN  
STATION**

**EMERGENCY  
PREPARENESS  
EXERCISE**

**VOLUME 1 – CONDUCT  
OF EXERCISE**

**CAUTION:** Volume 1 – Conduct of Exercise does not contain any confidential scenario information.

## Volume 1 - CONDUCT OF EXERCISE

### **SCOPE AND PARTICIPANTS**

Volume 1 – Conduct of Exercise does not contain any sensitive or confidential scenario information.

The scope of the exercise and a listing of key participants are provided under this heading. The list of participants is further broken down to utility, state/local facilities and service agencies, and includes addresses for each.

## Volume 1 - CONDUCT OF EXERCISE

### **SCOPE AND PARTICIPANTS**

As an assurance that the health and safety of the general public will be protected in the event of an accident at the Fort Calhoun Station (FCS), the Omaha Public Power District (OPPD) conducts routine emergency preparedness exercises. Exercises simulate accident conditions and radiological hazards that require major portions of utility, state and local emergency response plans and procedures to be implemented. Emergency responses are evaluated for adequacy by all participants, the Nuclear Regulatory Commission (NRC), and the Federal Emergency Management Agency (FEMA). Exercise accident sequences, timelines and the severity and characteristics of radiological hazards are held in confidence prior to conducting the exercise.

The exercise scenario is sufficient to require complete activation of all OPPD emergency response facilities and state/county emergency operations centers for accident mitigation. The accident scenario will require evaluation and decision making on protective actions for the general public surrounding FCS. The accident scenario will include conditions which may require the use of Severe Accident Management Guidelines (SAMGs). The use of SAMGs is not part of the formal scope of this exercise. Any SAMG objectives are intended to be used to evaluate their use separate from the Radiological Emergency Response Plan. Only the recognition of SAMG entry conditions and the decision to enter the SAMGs will be evaluated as part of the exercise.

Evaluations of emergency response to situations presented by the exercise scenario help provide an assessment of the adequacy of utility radiological emergency response plans and procedures. In addition, conduct of the exercise is valuable in determining whether adequate resources, including trained personnel assigned emergency response responsibilities, are available to evaluate situations and take actions to protect the health and safety of the general public in the event of an emergency at FCS.

Omaha Public Power District is committed to providing realistic training drills and exercises for both company and offsite personnel. Drill and exercise scenarios will be produced from "logical" sequences of events that represent an emergency at the Fort Calhoun Station. In some cases, time constraints force a reduction in timelines to ensure that appropriate objectives are accomplished within the scope of the scheduled drill/exercise. Frequently exercise scenarios include activities and parameters that are above and beyond the design basis of the Fort Calhoun Nuclear Station.

## Volume 1 - CONDUCT OF EXERCISE

### **SCOPE AND PARTICIPANTS**

The 2003 exercise will consist of two phases; a Plume Exposure Pathway and a Relocation/Re-entry/Return phase.

The Plume Exposure Pathway phase will include a simulated radiological release to the environment and will require protective actions to be taken for the general public surrounding and/or downwind of the facility. This exercise will be conducted to demonstrate all designated plume phase objectives. All designated OPPD, state and local personnel will participate in this phase of the exercise. The Nuclear Regulatory Commission (NRC) plans to participate in the Plume Exposure Pathway phase at the Emergency Operations Facility and the Media Release Center.

A second phase will be conducted basically as a tabletop exercise for the Relocation/Re-entry/Return Objectives designated for the States and Counties. Controller interjects (messages) will be provided to Dose Assessment Teams and EOCs. OPPD will participate in a limited role in phase two. The NRC does not plan to participate in phase two.

All of the specific exercise objectives for various offsite agencies have been agreed upon between the offsite agencies and FEMA and are documented in FEMA "Extent of Play Memorandums;" therefore, they are not reproduced in this transmittal.

## Volume 1 - CONDUCT OF EXERCISE

### SCOPE AND PARTICIPANTS

The following listing indicates which primary (command and control/decision making locations) emergency response facilities will participate in the 2003 Fort Calhoun Station Emergency Preparedness Exercise:

#### OMAHA PUBLIC POWER DISTRICT (OPPD)

##### **Control Room (CR) Simulator**

Fort Calhoun Station, Highway 75, Four Miles North of Fort Calhoun, NE

##### **Technical Support Center (TSC)**

Fort Calhoun Station, Highway 75, Four Miles North of Fort Calhoun, NE

##### **Operations Support Center (OSC)**

Fort Calhoun Station, Highway 75, Four Miles North of Fort Calhoun, NE

##### **Emergency Operations Facility (EOF)**

North Omaha Station, 7475 J.J. Pershing Drive, Omaha, NE

##### **Media Release Center (MRC)**

Energy Plaza, 444 South 16 Street Mall, Omaha, NE

#### STATE OF NEBRASKA

##### **State Emergency Operation Center**

Nebraska Emergency Management Agency, 1300 Military Road, Lincoln, NE

##### **Washington County Emergency Operations Center**

Washington County Court House, 1535 Colfax Street, Blair, NE

#### STATE OF IOWA

##### **State Emergency Operations Center**

STARC Armory, 1600 NE 78th Avenue, Johnston, IA

##### **Harrison County Emergency Operations Center**

County Sheriff's Offices, 111 S. First Ave., Logan, IA.

##### **Pottawattamie County Emergency Operations Center**

County Sheriff's Offices, Pottawattamie County Courthouse, 227 S. 6th Street, Council Bluffs, IA

## Volume 1 - CONDUCT OF EXERCISE

### **SCOPE AND PARTICIPANTS**

#### **United States Nuclear Regulatory Commission Region IV (USNRC)**

USNRC Region IV Regional Incident Response Center will staff up and the USNRC will staff positions in the EOF and at the MRC in Omaha, NE.

## Volume 1 - CONDUCT OF EXERCISE

### **GUIDELINES AND SIMULATIONS**

Exercise guidelines and simulations are provided under this heading. Guidelines define parameters under which the exercise will be conducted and delineate the extent to which objectives will be demonstrated.

Simulations define the boundaries of emergency responses by participants. Areas where participants will not be allowed to carry out emergency responses to the fullest extent are indicated under simulations. Limitations in emergency responses are necessary to protect personnel and the integrity of the operating reactor, and to limit impact to the public while simulating emergency conditions.



## Volume 1 - CONDUCT OF EXERCISE

### **GUIDELINES AND SIMULATIONS**

1. The exercise is scheduled for the week of June 23, 2003.
2. Personnel necessary for safe reactor operation will be exempt from all exercise activities. The level of participation by the FCS Security Force will be determined prior to starting the exercise.
3. Actual operational or radiological events or emergencies take precedent over all other activities. If an actual operational or radiological event should occur, the exercise shall be suspended and players notified via the controller network. The senior exercise controller shall then consult with management to coordinate resumption of the exercise following resolution of the actual event.
4. Participants will be informed of the exercise date, but will not be informed of the start time.
5. Participants will not be informed of the scenario events, time lines, or data.
6. Participants will be briefed via Participant Guidelines prior to the exercise.
7. Scenario initial conditions will be made available to participants prior to the start of events through the use of the following routine documents:
  - Plan of the Day (copied on colored paper to distinguish from actual POD)
  - Routine shift turnover paperwork (in simulator only)
  - Operations Department "Nite Notes" (in simulator only)
  - Preventive Maintenance Orders
8. Participants will not be pre-staged except for the following:
  - CONTROL ROOM SIMULATOR: Control Room Staff, Shift Manager, Control Room Supervisor, Licensed Operators, Shift Technical Advisor, Control Room Communicator, Shift Chemistry Technician and Shift RP Technician)
  - IN PLANT: Auxiliary and Turbine Building Operators, Water Plant Operator
  - DESIGNATED WORK SITES: Initial conditions activity personnel
9. Personnel will be notified of emergency conditions through methods normally employed in making notifications, i.e. plant alarms, Gai-tronics announcements, personnel pagers, building announcements, and the Interactive Notification System (ERO computerized notification system).

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### **GUIDELINES AND SIMULATIONS**

10. Scenario driven plant operations will be directed from the Control Room Simulator.
  - Simulator Control Room communications will be performed using equipment similar to actual Control Room equipment.
  - Plant Emergency Alarm activation will occur under direction of participants in the simulator but will utilize actual control room equipment as the plant alarms cannot physically be sounded from the simulator. This restriction will impose an artificial delay in sounding plant alarms.
  - Plant wide announcements will be initiated from the simulator via the Gai-tronics system cross-connect between the plant and the training simulator.
  - Due to distance from the simulator to the actual plant, control room briefings and dispatch of auxiliary and turbine building operators will occur via telephone, radio, or Gai-tronics system versus typical face-to-face communications in the Control Room.
  - The simulator will operate "live time." In the event of simulator failure for a protracted period of time, annunciators, indicators of plant parameters, and computer displays may be simulated through the use of hard copy scenario messages. The senior exercise controller shall decide to continue the exercise using paper hard copy data, based on the recommendations of the control room simulator operator.
11. The Emergency Notification System (ENS branch of the Federal Telecommunications System) may be used to demonstrate system operability, depending on the desires of the U.S. Nuclear Regulatory Commission. The USNRC Region IV Incident Response Center will be activated; the Simulator FTS-ENS will be made live for the exercise. The USNRC Headquarters Incident Response Center will not be activated for the exercise, thus the STAVENS Communicator will call the NRC Region IV at 817-860-8100 using the FTS-ENS phone for all required ENS communications. The Command and Control Facility should also use the above number for reports made to the NRC.
12. Data available from the Simulator Emergency Response Facility Computer System (ERFCS) can be accessed using the Simulator Icon on the desktop of the ERF Terminals in the TSC, OSC and EOF.
  - The ERFCS terminals display a dark blue "SIMULATOR" indication in the lower sections of the screens to depict simulated versus actual plant data.

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### **GUIDELINES AND SIMULATIONS**

- During an actual plant emergency, the simulator ERFCS should be closed and you should use the OPCON Icon for the plant to obtain plant information.  
Note: A dark blue "SIMULATOR" indication does not appear on the plant ERF computer.
- 13. To the maximum practical extent, participants will be permitted "free play" in emergency responses and accident mitigation. Facility Lead Controllers\Evaluators, after making note of unanticipated actions, shall inform the senior exercise controller. The senior exercise controller may prohibit certain actions to maintain emergency responses within the planned scenario time line. Credit for innovative approaches will be given at the facility critiques.
- 14. Emergency response by participants will be to the fullest extent possible without violating any station procedures or good practices.
  - Protected area evacuation and initial accountability may be simulated; this decision will be made prior to the exercise.
  - Site evacuation will be simulated. Personnel that would normally be required to support an off-site evacuation must be simulated to carry out those duties. For example if RP technicians are requested to go to the EOF for vehicle monitoring / decontamination operations, the RP Technicians must be removed from the OSC and proceed to the EOF.
  - Participants contacting outside organizations not specifically listed as a participating organization will perform communication checks only.
- 15. Some areas of emergency response will be limited to protect personnel and equipment or to lessen the impact on the public.
  - Participants will not operate, manipulate or implement repairs on installed plant equipment or valves.
  - Actual tag out of equipment and valves will not be performed; however, all required authorizations and paperwork should be completed to the extent possible.
  - Controllers and Participants entering the Radiologically Controlled Areas of the Auxiliary Building and Radwaste Buildings for drill activities must sign in on and adhere to the requirements of existing RWPs or any special RWP made for the purpose of the exercise. Controllers and Participants should not enter areas prohibited by the governing RWP for drill or exercise activities.

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### GUIDELINES AND SIMULATIONS

- If appropriate, onsite participants will demonstrate the procedure for donning SCBAs once but will not discharge air tanks. The Senior Exercise Controller may require the use of air.
  - If needed, offsite support will be simulated (i.e. fire or medical support).
  - If needed, fire hoses will not be charged.
  - Participants will not be administered Potassium Iodide (KI). But the process to approval and distribution of KI must not be simulated; only the actual receiving of the KI is simulated.
  - Offsite monitoring teams will not wear Anti-Contamination clothing in the field to prevent any public concern. Field Teams may be required to demonstrate the proper donning of protective clothing on OPPD property.
  - OPPD Field Teams may have a FEMA evaluator accompanying them. The OPPD Field Team Controller will be briefed on the procedure to use to pick up the FEMA Evaluator since the OPPD Field Teams are usually dispatched from inside the Protected Area. The FEMA evaluator may not have access to the site or to the Protected Area.
  - Actual decontamination of simulated contaminated personnel, equipment, and vehicles will not be performed.
  - Participation by non-emergency OPPD personnel will be simulated (i.e. Transmission and Distribution or System Protection).
16. Controllers for OPPD offsite monitoring teams shall rendezvous with their team in the TSC. Iowa and Nebraska offsite monitoring teams shall rendezvous with their teams per the instructions of the senior exercise controller.
17. Participants may request and, upon completion of appropriate actions, obtain from controllers additional information or data that was not previously available. Controllers shall not freely give out additional information. If, for example, players request the results of an internal inspection of a circuit breaker, they must first demonstrate the required tools and techniques, and the appropriate level of knowledge to perform the inspection. Only then will the controller hand out the results of the inspection. All scenario in-plant data will be EARNED.

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### GUIDELINES AND SIMULATIONS

18. Contingency messages will be issued only if participant actions affect planned scenario events, time lines, or data and only if authorized by the Senior Exercise Controller.
19. All communications should begin and end with "This is a Drill Message". Controllers will prompt participants if all communications do not include **"THIS IS A DRILL,"** including faxes of dose assessments and FC-1188s.
20. The following actions and communications originating in the control room simulator that must be performed by the operational control room through the use of intermediaries, may cause delays due to use of the simulator;
  - Sounding of alarms.
  - Drill participant in-plant operator briefings and communications.
  - Any actual equipment operation or manipulations that require Shift Manager approval.
  - Communications to the control room that are relayed to the simulator control room.
21. Control of site access traffic will not be completely restricted to allow normal plant deliveries and business to continue during performance of the exercise.
22. Non-participating employees may be allowed to return to work after completing a protected area evacuation and initial accountability.
23. Radiological conditions are "as read" unless the simulator or a controller provides other information. "As Read" is defined as the actual meter response. It does not necessarily mean background. The current Radiation Protection surveys may be used for initial radiological conditions.
24. Upon termination of exercise activities, facility critiques will be conducted in the Control Room (simulator), TSC, OSC, EOF and MRC. Field team controllers shall critique with their respective field teams. Every participant should have the opportunity complete a participant comment form (FC-EPF-15) and be prepared to discuss any major critique items. The facility manager or director is responsible for conducting the critique.

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### GUIDELINES AND SIMULATIONS

25. A key participant/lead evaluator critique will be held at the time and location previously scheduled with the key participants from all emergency response facilities. ERO personnel with manager, director or coordinator in their ERO title will normally attend the key participant briefing. The lead evaluator or the senior controller may designate other personnel to attend. State and County participants are invited to attend the key Participant/Evaluator critique.
26. All participants and controllers may be asked to attend follow-up interviews required to complete the evaluation of the exercise.
27. Perform all functions that would be required by your position as if you are in an actual emergency. Document all actions, and keep detailed log information.
28. Controllers will provide dose cards to participants which will be used to simulate radiation dose received for the exercise scenario. CAUTION: This is simulated dose and not actual dose received in the RCA.
29. Controllers may simulate alarms on electronic dosimetry (dose rates or dose alarms). Participants should respond to these alarms.
30. Participants must respond as if any radiation hazards presented by the scenario are actually present. This includes, but is not limited to the following:
  - Observing good radiation protection practices
  - Minimizing radiation exposures
  - Responding to failed instruments in the field
  - Reporting radiological hazards to proper personnel
  - Proper contamination control
  - Wearing of dosimetry and anti-contamination clothing
31. If SAMG entry conditions are met, follow through with the decision to enter the SAMGs. The use of SAMGs is strongly encouraged when applicable.
32. Three groups of personnel may be in attendance and will function as described below:

Controllers: Controllers are responsible for controlling scenario events and issuing data to participants. Controllers may initiate certain actions, i.e. issue contingency messages, to assure continuity of events. Controllers have evaluator responsibilities as well. Controllers are identified by red hats and/or controller badges.

## Volume 1 - CONDUCT OF EXERCISE

### **GUIDELINES AND SIMULATIONS**

**Evaluators:** Evaluators are responsible for documenting and evaluating the emergency response. They serve a passive function and do not control or impact emergency responses. Evaluators must not interfere with the flow of events. Evaluators may ask questions to clarify their understanding of actions taken by participants or procedural concerns. NRC evaluators will also be present. Evaluators are recognized by hats and/or evaluator badges.

**Observers:** Observers are not responsible for participating, controlling or evaluating. Observers must not interface with participants or evaluators. Questions from observers should be directed to controllers. Observers are recognized by observer badges.

#### 33. Interface with Controllers, Evaluators and Observers:

- Participants must become familiar with the controller and evaluator organizations, especially those who will be accompanying you. Identify yourself by name and function to your controller and/or evaluator.
- Participants are responsible for contacting their controller before being dispatched into the plant or out into the field. The controller may have data that is vital to scenario events. This is very important to your success.
- Controllers for offsite monitoring teams shall rendezvous with their team in the TSC.
- Unless authorized by your controller, you must NOT simulate any of your actions. If authorized to simulate an action, tell your controller how and when you would normally perform the simulated action.
- Simulation: Simulated play involves identification and explanation of required actions and procedures.
- Actual: Actual play involves deployment of resources and physical implementation of procedures.
- Participants may request and, upon completion of appropriate actions, obtain from controllers additional information or data that was not previously available. Controllers shall not freely give out additional information. If, for example, players request the results of an internal inspection of a circuit breaker, they must first demonstrate the required tools and techniques, and the appropriate level of knowledge to perform the inspection. Only then will the controller provide the results of the inspection.

## Volume 1 - CONDUCT OF EXERCISE

### **GUIDELINES AND SIMULATIONS**

- Accept all messages from controllers immediately. They contain scenario information essential to your successful performance.
  - Participants should respond to all questions from controllers and evaluators. If you do not know the answer, respond as you would in an actual situation, i.e., refer the question to your facility coordinator, manager, or director.
  - Controllers will not provide information to participants regarding scenario development or resolution of problem areas encountered. Participants are expected to obtain information through their own organizations for use in determining response actions and resolving problems.
34. You may ask your controller for information or clarification of scenario data. Examples are:
- Initial Conditions
  - Data normally obtainable from ERFCS, if hard copy information is being used
  - Operational parameters and indications, once earned
  - Chemistry/radiological parameters, once earned
35. You may not ask the following from the controllers:
- Information contained in procedures, drawings or instructions
  - Judgments as to which procedures should be used
  - Data not normally available to you
  - Assistance with performing procedure steps, calculations, etc.
  - Assistance in activating facilities
  - Assistance in performing emergency responses
  - Assistance in repairing, replacing or substituting emergency response equipment, i.e., telephones, fax machines, etc.
  - Explanation of scenario events
36. Some participants may insist that certain aspects of the scenario are unrealistic. Keep in mind that scenario events are designed to permit demonstration of certain objectives, and must be performed.
37. Under no circumstances are participants to argue or indulge in theoretical discussions with controllers.
38. Periodically identify your key actions and decisions to the controller and/or evaluator, to help in their evaluation process.



## Volume 1 - CONDUCT OF EXERCISE

### **GUIDELINES AND SIMULATIONS**

39. Controllers, evaluators and observers are exempt from simulated hazards. Do not let this confuse you or cause you to act unwisely.
40. If your controller intervenes with your actions, it is for a good reason. Obey your controller's direction at all times. This is essential to the overall success of the exercise.
41. ERO personnel should follow their normal routine until they are notified to report to their emergency response facility. No pre-staging of ERO personnel is permitted unless authorized by the Senior Controller.

## Volume 1 - CONDUCT OF EXERCISE

### **CONTROLLER/EVALUATOR GUIDELINES**

Controller/Evaluator guidelines are included under this heading.

These guidelines provide controllers and evaluators with a basis and any limits to their role and function during simulated activities.

Controllers and evaluators will be briefed on these guidelines prior to the start of any simulated activities.

## Volume 1 - CONDUCT OF EXERCISE

### CONTROLLER/EVALUATOR GUIDELINES

1. Three groups of personnel may be in attendance and will function as described below:

**Controllers:** Controllers are responsible for controlling scenario events and issuing data to participants. Controllers may initiate certain actions, i.e. issue contingency messages, to assure continuity of events. Controllers have evaluator responsibilities as well. Controllers are recognized by controller badges.

**Evaluators:** Evaluators are responsible for documenting and evaluating the emergency response. They serve a passive function and do not control or impact emergency responses. Evaluators must not interfere with the flow of events. Evaluators may ask questions to clarify their understanding of actions taken by participants or procedural concerns. NRC and FEMA evaluators will also be present. Evaluators are recognized by Evaluator badges.

**Observers:** Observers are not responsible for participating, controlling or evaluating. Observers must not interface with participants or evaluators. Questions from observers should be directed to controllers. Observers are recognized by observer badges.

2. The controlling organization is coordinated through a chain of command which is vital for accurate and timely information flow. Controllers report to their facility lead controller. All facility lead controllers report to the Exercise Senior Controller.
3. Written messages and simulator data will be used to initiate, modify and complete simulated events posed by the scenario. Controllers will issue these messages to participants to initiate a response. All messages will be assigned to the appropriate controller by the applicable facility lead controller.
4. Indicated on each message are the following:
  - Message #
  - Who the message is To
  - Who the message is From:
  - Elapsed Time:
  - Real Time:
  - Controller Notes:
  - Drill Message:

## Volume 1 - CONDUCT OF EXERCISE

### CONTROLLER/EVALUATOR GUIDELINES

5. Messages with a "+" after the time are floating time messages. They may be issued at or soon after the stated time depending on when an action is completed as a precursor to the message. Controller notes explain actions required to be completed prior to issuing the message.
6. Firm Time: Messages without a "+" indicated are firm times. They must be issued at the time indicated.
7. Contingency Messages: Messages that prevent certain emergency responses or correct emergency responses. Contingency messages are used at the discretion of the Exercise Senior Controller to maintain the scenario continuity or correct the time lines or scenario activities. Contingency Messages may be prepared in advance and included in the scenario manual or may be given by verbal direction by the Senior Exercise Controller.
8. Controllers must not prematurely provide information to the participants regarding scenario development or resolution of problem areas encountered. Participants are expected to obtain information through their own organization and exercise their own judgement in determining response actions and resolving problems. In the event of incorrect or incomplete response, or if a participant indicates lack of knowledge of how to proceed, controllers may find it necessary to "prompt" the participant with necessary instructions or contingency messages to maintain the events on schedule. All occasions of such "prompting" must be approved by the Exercise Senior Controller and must be included in the controller's evaluation report.
9. Controllers may have responsibilities for issuing time related plant or radiological parameters. This information should only be issued if participant actions would allow access to the information if it were an actual event. For example, data on exposure rates should not be issued if a survey instrument has not been turned on, or data available from computers should not be issued if the computer is not operated properly.
10. Controllers may have responsibilities for performing calculations during the scenario (i.e. dosimetry readings, plume exposure data, etc.). Care must be taken in performing these calculations and any questions or concerns must be expressed to your lead controller. This includes providing dose cards to the participants for dose tracking and providing alarm indication 25 minutes after donning SCBA's for air bottle change out.

## Volume 1 - CONDUCT OF EXERCISE

### CONTROLLER/EVALUATOR GUIDELINES

11. Scenario data must not be issued prior to participants performing the necessary actions required to obtain the data (i.e. ERFCS data). Additionally, participants must not have access to historical material or data (i.e. ERFCS historical data) unless all necessary actions are performed.
12. Scenario material is confidential and must not be exposed to participants. For example, scenario books must not be left open unattended.
13. Scenario events are hypothetical. Any portions of the scenario depicting operational transients are only simulated events. NO actions or reactions involving operation of plant systems or affecting generation capability or emergency preparedness should be initiated. Controllers stationed at key areas should be especially aware of the impact of the simulation and take extra precautions in issuing messages or initiating scenario events.
14. Some participants may insist that certain events in the scenario or time frames are unrealistic. Controllers have the authority to clarify any questions critical to the continuity of the simulation or demonstration of simulation objectives. In some cases, it may be necessary to state, "This is due to scenario requirements."
15. Controllers are NOT allowed to project free play into the scenario. Any deviation from the scenario must be first approved by the Exercise Senior Controller.
16. Prior to commencement of simulated activities, telecommunications should be tested to ensure satisfactory communications between all controllers.
17. All communications associated with simulated events must be prefixed and suffixed with the phrase **"THIS IS A DRILL."** This includes faxes of dose assessment and FC-1188s. Controllers and Evaluators should prompt and correct participants if this requirement is missed.
18. Controllers and evaluators must synchronize their watches to ensure that messages are delivered at the proper time and that an accurate chronology exists at the time of the exercise critiques. Scenario time will be the same as computer time as available in the Control Room (Simulator), Technical Support Center, or the Emergency Operations Facility. In the event the computer system is unavailable, contact the controllers in the Control Room (Simulator). The simulator ERF computer time will be adjusted to the time of an Atomic Clock.
19. Controllers must ensure that they are available at their assigned controlling location and that they are easily identified by the participants.
20. Controllers must be thoroughly familiar with the participants' guidelines that establish the basis and extent of the simulation and emergency response.

## Volume 1 - CONDUCT OF EXERCISE

### CONTROLLER/EVALUATOR GUIDELINES

#### 21. Some reminders:

##### DO:

- Know the overall controller organization
- Give yourself time, at least 20 minutes, to setup at your controlling position
- Locate and test communications for maintaining contact with other controllers
- Position yourself to maximize your effectiveness in issuing messages and observing the participants
- Identify yourself at all times to the participants. Always wear controller identification
- Make sure you understand scenario events
- Issue messages on time. Make sure participants understand the content
- Verify that the emergency response is on schedule by checking the scenario
- Report departures from the scenario to your lead controller
- Allow participants reasonable flexibility to perform their functions and demonstrate their skill, knowledge and initiative
- Know what the participant's required actions are by procedure
- Take accurate and detailed notes on strengths and weaknesses of the emergency response. Complete evaluation forms provided in the scenario book
- Identify participants by name and function in written critiques
- Attend all scheduled critique sessions to provide your evaluation of the emergency response

##### DO NOT:

- Leave your post at key times
- Criticize participant's actions during the simulation
- Allow external influences to distract participant's emergency response, i.e. visitors, observers, media, etc.
- Allow free play to be interjected into planned events
- Allow participants to simulate equipment or supplies if these are actually available for their use, i.e. a dose rate instrument that malfunctions in the field should be replaced. Don't let the participant simulate obtaining a replacement or ignore the malfunction.

## Volume 1 - CONDUCT OF EXERCISE

### **EXERCISE OBJECTIVES**

Exercise objectives are provided under this scenario section heading. Objectives provide a basis for scenario development and a means to evaluate responses by the Emergency Response Organization (ERO).

The Omaha Public Power District radiological emergency preparedness exercise objectives for the Fort Calhoun Station are based on United States Nuclear Regulatory Commission (NRC) requirements provided in 10 CFR 50.47, "Emergency Plans," and 10 CFR 50, Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities." Additional guidance provided in NUREG-0654/FEMA-REP-1, Revision 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," was also utilized in developing objectives.

Each objective is written on an Objective Evaluation Form (Spreadsheet) which includes the applicable facility, the objective, procedures that apply a reference, enabling objectives, a remarks section, a score calculation area, and a place for the evaluator's signature and date.

Each enabling objective has a column to assign points (0= Not evaluated, 1= does not meet objective, 2= marginally meets, and 3= meets objective). A weighting factor is assigned for each enabling objective. The spreadsheet will calculate the total Weighted Points and the total Potential Points (if the assigned points = 0, the Potential Points will = 0. The spreadsheet will calculate a score at the bottom center for the objective.

The evaluator may add remarks for any reason, but is required to justify an enabling score of 2 or below. A "0" given for points indicates the enabling objective was not evaluated.

The overall critique process that will be followed by the utility is described in Emergency Preparedness Tests (EPT-20).

# **EXERCISE MANUAL**

**FOR THE  
JUNE 24, 2003  
FORT CALHOUN  
STATION**

**EMERGENCY  
PREPARENESS  
EXERCISE**

**VOLUME 1 – CONDUCT  
OF EXERCISE**

**CAUTION:** Volume 1 – Conduct of Exercise does not contain any confidential scenario information.



OBJECTIVE EVALUATION		FACILITY - CR/TSC/EOF		
1. Demonstrate the ability to assess plant conditions using onsite monitoring systems (i.e. radiological monitors, process monitors, plant parameters, equipment status, etc.) and classify events per approved procedures.				
Procedure(s): EPIP-OSC-1, EP-24		NUREG-0654: D.1, D.2, H.5, I.1, I.2,		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Plant instrumentation was monitored and compared to the EAL verification criteria in EPIP-OSC-1 (i.e., area monitors, process monitors, fire detection system, temperature, pressure, level, etc.).		2	0	0
2. Off normal events were compared with the verification criteria in EPIP-OSC-1.		2	0	0
3. Attachments 6.1, 6.2, and 6.3 of EPIP-OSC-1 were used to classify the event.		2	0	0
4. The classification made was correct for the plant conditions and Modes of Operation.		3	0	0
5. The highest classification for which an EAL is currently met was declared.		2	0	0
6. A proper classification was declared within the 15-minute goal of verification criteria being met per EP-24.		3	0	0
7. Plant conditions and events were monitored and compared to EAL verification criteria as necessary to determine if reclassification was necessary.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPTotal)*3 =		0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:

OBJECTIVE EVALUATION		FACILITY - CR/TSC/EOF		
2. Demonstrate the ability to notify and alert State, Local and Federal officials of an emergency classification and provide updates, as necessary.				
Procedure(s): EPIP-OSC-2, EPIP-OSC-15, EP-24, EPIP-EOF-6		NUREG-0654: E.1, E.3, E.4, B.9		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. FC-1188 is filled out correctly and approved before offsite authorities are notified.		3	0	0
2. States and counties are notified within 15 minutes of the declaration of an emergency classification per EP-24		3	0	0
3. The NRC is notified immediately after State/County notifications and not later than 1 hour after the declaration of an emergency.		3	0	0
4. Offsite authorities are updated at least every 60 minutes per EPIP-OSC-2.		3	0	0
5. Offsite authorities are updated at least every 60 minutes with a Dose Assessment report when dose assessments are required per EPIP-EOF-6.		3	0	0
6. The goal of updating off-site authorities every 15 minutes with a dose assessment report is met when dose assessments are required.		2	0	0
5. The FTS/ENS phone is manned continuously within one-hour of an Alert or higher classification by the ENS Communicator.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3		0.00 *3 =	#DIV/0!	
=		0.00	Evaluator:	
			Date:	

OBJECTIVE EVALUATION		FACILITY - CR/TSC/OSC/EOF		
3. Demonstrate the ability to alert, notify and mobilize (staff augmentation) OPPD emergency response personnel, contractor personnel and private organizations.				
Procedure(s): EPIP-OSC-2, EPIP-OSC-15, EPIP-RR-29		NUREG-0654: B.7, B.8, E.1, E.2, F.1.e		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Command and Control position follows the suggested sequence of the notifications steps in Attachment 6.1, 6.2, and 6.3 of EPIP-OSC-2 unless there is mitigating circumstance that would prevent notification of States and Counties within 15 minutes of event classification.	3	1	3	3
2. The Interactive Notification System (INS) is promptly activated, consistent with the goal to activate all emergency facilities within the goal of one hour of an Alert or higher classification.	3	3	9	9
3. The emergency alarm and required announcements made on the Gai-tronics system are made promptly, consistent with the recommended sequence of notification steps of EPIP-OSC-2 and the goal to activate all emergency facilities within one-hour of an initial declaration of Alert or higher classification.	3	3	9	9
		TOTALS	21	21
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3 =	21.00 *3 = 21.00	3.00	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - CR/TSC/EOF		
4. Demonstrate the ability to communicate with State, Local and Federal agencies.				
Procedure(s): EPIP-OSC-2, EPIP-OSC-15, S.O. R-1		NUREG-0654: F.1.a, F.1.b, F.1.c, F.1.d, F.1.f		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Communications links are maintained between OPPD and Federal, State and Local authorities.		2	0	0
2. Contact with the NRC should be maintained after initial contact via the FTS-ENS from at least one facility (commercial line is backup). The ENS Communicator will staff the phone when position is filled.		3	0	0
3. Information on radiological conditions is provided as necessary to the States via CHP or COP and to the federal officials via HPN (if requested).		3	0	0
4. After the Alert Notification System is activated, the Emergency Director, EOF Information Specialist, Iowa Emergency Management EOF Liaison, and Nebraska Assistant to Governor Authorized Representative (GAR) are notified of any siren activations or malfunctions.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - CR/TSC/OSC/EOF/MRC			
5. Demonstrate the adequacy of OPPD emergency response staffing and the ability to schedule multiple shifts.					
Procedure(s): EPIP-RR-17A, EPIP-RR-29, EPIP-TSC-1, EPIP-OSC-21, EPIP-EOF-1		NUREG-0654: A.1.e, B.5, B.6, B.7			
Enabling Objectives		Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. A 24-hour shift schedule is prepared, posted and distributed in the Control Room, TSC, OSC, EOF and the MRC.			2	0	0
2. Personnel on shifts must be listed as qualified on the ERO roster and current summary of changes to the roster.			2	0	0
3. Second and third Shift ERO personnel are released for rest.			2	0	0
			TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective				WP total	PP total
Score=(WPtotal)*3		0.00 *3 =		Evaluator:	
=		0.00		#DIV/0! Date:	

OBJECTIVE EVALUATION		FACILITY - CR/TSC/OSC/EOF/MRC		
6. Demonstrate that adequate provisions exist for prompt communications between principal response organizations and facilities.				
Procedure(s): EPIP-OSC-2, EPIP-OSC-15, S.O. R-1		NUREG-0654: F.1.a, F.1.f		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Equipment is provided and personnel are available and working to communicate with Federal, State and County authorities (COP, FTS-ENS, CHP, FTS-HPN, Fax, ERDS).		2	0	0
2. ERO personnel are knowledgeable of backup communication links (Commercial phone, NAWAS, etc.). This may require the evaluator to ask what if questions.		2	0	0
3. Communications equipment is provided and working to communicate between facilities and in plant and offsite teams (radios, Gai-tronics, etc.).		2	0	0
4. Personnel are knowledgeable of backup communication links between facilities and in-plant and offsite teams (Writeboard, Hotlines, ERMS, Gai-tronics, phone lines, etc.).		2	0	0
5. Communications links are provided and working to communicate between facilities (phones, Hotlines, etc.).		2	0	0
6. Facility public address systems are working.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - CR/EOF		
7. Demonstrate the ability of OPPD to coordinate emergency resources with State and Local officials and agencies.				
Procedure(s): EPIP-OSC-2		NUREG-0654: C.1, C.2, C.3, C.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The Emergency Director or designee requests, coordinates, accommodates and effectively uses the assistance of Federal, State, Local and private agencies.		2	0	0
2. The Shift Manager/CR Coordinator effectively coordinates Fire/Rescue assistance.		2	0	0
3. At SAE and General Emergency, American Nuclear Insurers, Westinghouse Electric Company, NRC Region IV, FEMA, INPO, MUD and the Union Pacific Railroad are notified.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - CR/TSC/OSC/EOF		
8. Demonstrate the ability to implement protective actions for onsite individuals including plant evacuation of non-essential personnel and initial and continuous accountability of emergency workers remaining in the protected area.				
Procedure(s): EPIP-OSC-2, EPIP-RR-22, SECOP-28		NUREG-0654: J.1, J.5		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Personnel in the Protected Area were warned of the emergency by sounding of the Emergency Alarm and by Gai-tronics announcements per EPIP-OSC-2.		2	0	0
2. Non-essential personnel were evacuated from the Protected Area at the Alert classification.		3	0	0
3 A site evacuation of non-essential personnel was simulated to North Omaha Station at a SAE/GE.		3	0	0
4. Radiological monitoring of evacuated personnel could be provided by the Protective Measures Coordinator if a site evacuation was simulated.		2	0	0
5. Initial accountability was completed and the names of missing personnel determined within 30 minutes of the order to evacuate.		3	0	0
6. Continuous accountability of personnel inside the Protected Area was maintained after initial accountability.		2	0	0
7. Provisions exist for protection of workers remaining or arriving onsite (i.e., respiratory protection, protective clothing, dosimetry and KI).		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator:	Date:



OBJECTIVE EVALUATION		FACILITY - CR/TSC/OSC/EOF/MRC		
9. Demonstrate the ability to monitor, assess, project and report offsite consequences of a radiological emergency.				
Procedure(s): EPIP-OSC-1, EPIP-OSC-2, EPIP-EOF-3, EPIP-EOF-6		NUREG-0654: I.1, I.2, I.3, I.4, I.6, I.7, I.8, I.9,		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Monitoring and assessment of in-plant instrumentation (i.e., meteorological, area and process monitors) was performed and the offsite consequences were projected. Dose assessments were completed within the goal 15 minutes when required.		3	0	0
2. Field team samples were assessed during releases and compared to dose assessment projections.		2	0	0
3. Radiological consequences, based on dose and field team assessments, were adequately communicated to off site authorities.		2	0	0
4. Dose assessment results are approved before being faxed to the States.		2	0	0
5. PARs were developed and approved within 15-minutes of the criteria existing requiring a PAR.		3	0	0
6. PARs are communicated with 15 minutes of being developed and approved to States and Counties.		3	0	0
7. Plant Conditions, Dose Assessment and Field Team Results were monitored and used to develop PARs.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - TSC		
10. Demonstrate the adequacy of site access and protected area access control.				
Procedure(s): EPIP-OSC-2, EPIP-RR-17, SECOP-28		NUREG-0654: J.5		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Measures were implemented to prevent unauthorized personnel from entering the owner controlled property.		3	0	0
2. Only personnel with OPPD badges were permitted onsite and with unescorted access inside the Protected Area (as applicable).		2	0	0
3. Personnel used their OPPD ID Cards to speed up access to the Site and the Protected Area.		3	0	0
4. ERO personnel were not delayed by access control in reporting to their emergency facilities.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - CR/TSC/OSC/EOF/MRC		
11. Demonstrate the ability to monitor, control, and keep records of OPPD emergency worker radiation exposure.				
Procedure(s): EPIP-EOF-11		NUREG-0654: K.2, K.3		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. All personnel who have dosimetry, keep it when evacuating the Protected Area for a plant or Site Evacuation		3	0	0
2. Personnel must use a RWP to enter a RCA unless exempted by appropriate Radiation Protection personnel under emergency conditions.		2	0	0
3. Authorization is obtained to exceed 10CFR20 exposure limits, using FC-EPF-5.		2	0	0
4. If RWP requirements are exempted, Radiation Protection personnel accompany any personnel entering a RCA.		2	0	0
5. An access control point is established and maintained per EPIP-RR-28.		2	0	0
6. Non OPPD personnel entering the Protected Area are issued TLDs and SRDs by Security per SAP-19.		3	0	0
7. Dosimeters are issued to all personnel who enter or are in a RCA per EPIP-EOF-11.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - CR/TSC/OSC/EOF/MRC		
12. Demonstrate the ability to provide onsite contamination control measures including access control; no eating, drinking, chewing, and smoking; personnel and equipment/area decontamination; evaluating use of Potassium Iodide; and habitability checks.				
Procedure(s): EPIP-EOF-10, EPIP-EOF-11, EPIP-EOF-21		NUREG-0654: K.5, K.6, K.7		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Frisking stations and/or step off pads are established for the Control Room, TSC and OSC, as necessary.		2	0	0
2. Protective clothing is prescribed, as necessary, for teams and personnel dispatched to the plant.		2	0	0
3. Eating, drinking and smoking are not permitted until habitability checks are done and reviewed.		2	0	0
4. "No eating, drinking, chewing, and smoking" signs are posted, as required.		2	0	0
5. Personnel frisk as necessary when returning from other areas, personnel decontamination is performed as necessary.		2	0	0
6. Habitability checks are completed as required in the CR Simulator, TSC, OSC and in all occupied areas on-site.		3	0	0
7. Potassium Iodide is approved for issue per EPIP-EOF-21.		3	0	0
8. Provisions are made for teams completing tasks in a RCA, for removing protective clothing.		2	0	0
		TOTALS	0	0
			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - TSC/EOF		
13. Demonstrate the ability to analyze and respond to simulated airborne and/or liquid samples and direct radiation measurements in the environment.				
Procedure(s): EPIP-EOF-3, EPIP-EOF-11, EPT-12, EPT-14		NUREG-0654: N.2.e(1)		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Field Teams are briefed and dispatched to the vehicles at a NOUE or higher classification in a standby mode, and to the field immediately if a release is in progress or imminent.		2	0	0
2. Field teams were able to collect and analyze smears, particulate and iodine samples in the field per EPIP-EOF-3.		2	0	0
3. Radiation surveys were taken in the field with open and closed readings.		2	0	0
4. Care was exercised when handling samples to prevent cross contamination.		2	0	0
5. Radiation surveys and sample results were communicated promptly to the EOF.		2	0	0
6. Field team results were compared to dose assessment results per EPIP-EOF-6.		2	0	0
7. Field team results were compared to EAL verification criteria for possible classification.		2	0	0
8. Field team results were compared to EPIP-EOF-7 for recommendation of protective actions.		2	0	0
		TOTALS	0	0
			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - CR/TSC/OSC/EOF/MRC		
14. Demonstrate the ability to authorize emergency worker exposure extensions (due to exceeding plant administrative limits and/or PAG's).				
Procedure(s): EPIP-EOF-11		NUREG-0654: K.1, K.2		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Requests for exposure extensions were made in accordance with EPIP-EOF-11.		2	0	0
2. Approvals were made in accordance with the guidelines in EPIP-EOF-11.		2	0	0
3. Emergency exposure extensions were based on guidelines in EPIP-EOF-11.		2	0	0
4. The requirements of FC-EPF-5 were met and the form was properly completed.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =		Evaluator:	
=	0.00		#DIV/0! Date:	

OBJECTIVE EVALUATION		FACILITY - CR/EOF		
15. Demonstrate the ability to perform dose assessments per EPIP-EOF-6.				
Procedure(s): EPIP-EOF-6		NUREG-0654: 1.8		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Were AI-33 A, B, and C or ERFCS pages 197, 360, and 361 used to assess release pathways?		3	0	0
2. Were dose assessment personnel kept appraised of plant conditions, including release pathways, process and area monitor status, alignment of Condenser Off-gas and the potential for unmonitored releases?		3	0	0
3. Were the correct inputs used in performing dose assessments; example the correct Iodine Noble Gas ratio, flow rate, monitor reading, and met data?		3	0	0
4. Were the dose assessment results reviewed against EAL Verification Criteria for possible upgrade in classification?		3	0	0
5. Were the dose assessment results reviewed against the PAR criteria for possible PARs or changes in PARs?		3	0	0
6. Were states updated with dose assessments at least every 60 minutes, when required?		3	0	0
7. Was the goal of performing and updating the States with dose assessments met?		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - CR		
16. Demonstrate the ability of the Command and Control Position (C&C) to exercise their responsibilities for Command and Control.				
Procedure(s): EPIP-OSC-2		NUREG-0654: B.1, B.2, B.3, B.7		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Did the C&C maintain overall Command and Control of the Emergency Response Organization?		3	0	0
2. Did the C&C ensure proper Classification and Declaration of the emergency situation per EPIP-OSC-1?		3	0	0
3. Did the C&C ensure all required notification were made to appropriate state, local and federal officials?		3	0	0
4. Did the C&C ensure required Protective Action Recommendations were provided to the offsite officials?		3	0	0
5. Did the C&C authorize OPPD emergency worker extensions beyond the Federal Radiation Protection Guidance?		3	0	0
6. Did the C&C authorize the issuance of any Potassium Iodide for OPPD emergency workers?		3	0	0
7. Did the C&C authorize or delegate authority for requesting assistance from federal Authorities?		2	0	0
8. Did the C&C authorize or delegate authority for releasing information to the media or general public?		2	0	0
9. Did the C&C coordinate or delegate authority for coordinating the transfer of information to other OPPD and outside organizations?		2	0	0
10. Did the C&C ensure information was provided to authorized representatives of the States of Nebraska, Iowa, and local governments?		2	0	0
11. Were plant operations in compliance with Technical specifications? Were deviations approved as a minimum, by a Senior Licensed Operator?		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0 00 *3 =	#DIV/0!	Evaluator.	
=	0 00		Date:	



OBJECTIVE EVALUATION		FACILITY - CR		
17. Demonstrate the ability of the Command and Control Position(s) and staff to notify onsite personnel of emergency conditions, keep ERO personnel updated on changes in plant conditions, and maintain communication links with the TSC, OSC, EOF and the MRC.				
Procedure(s): EPIP-OSC-2		NUREG-0654: E.1, E.2, E.3, J.1		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Were facility briefings conducted in each facility when significant changes in plant conditions occurred and about every 30 minutes?		2	0	0
2. Were the MOP, Operation Liaison phone, CHP phone, and other communication systems used effectively to pass information between facilities?		2	0	0
3. Were operators in the plant and repair teams kept abreast of changes in plant conditions?		2	0	0
4. Were Security personnel kept abreast of plant conditions?		2	0	0
5. Were announcements made in the Training Center and Administration Building for changes in classification and for site evacuation?		2	0	0
6. Did Security notify personnel at the Burn Pad, Rifle Range, and Old Warehouse to go to the Administration Building during the plant evacuation or to evacuate the site for a site evacuation?		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - CR	
18. Demonstrate the ability of the Command and Control Position(s) to assess and implement onsite protective actions, as required.			
Procedure(s): EPIP-OSC-2, EPIP-EOF-7, EPIP-EOF-11		NUREG-0654: J.5, J.6	
Enabling Objectives	Points 1-3	Weighting Factor	Potential Points
1. Personnel in the Protected Area were properly notified of the emergency condition and evacuated from the radiologically affected area(s).		2	0
2. Non-essential personnel were evacuated from the protected area at the Alert classification.		2	0
3. A site evacuation of non-essential personnel was simulated at the SAE/GE classification.		2	0
4. Continuous accountability was initiated for Control Room personnel.		2	0
		TOTALS	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective		WP total	PP total
REMARKS:			
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:

OBJECTIVE EVALUATION		FACILITY - CR		
19. Demonstrate the ability of the Shift Manager or Control Room Supervisor to effectively dispatch and direct in-plant immediate response teams to situations, such as; fires, medical emergencies, and hazardous material spills.				
Procedure(s): EPIP-EOF-11, FCS Safety Manual		NUREG-0654: L.2, L.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Response teams for any immediate response process are briefed and dispatched from the Control Room per the appropriate procedure(s).		3	0	0
2. Response teams are directed and remain in contact with the Shift Manager (Control Room) via available communications.		2	0	0
3. The Shift Manager maintains Command and Control of any immediate response teams and arranges for additional resources for these teams as necessary.		2	0	0
4. Medical responders are effectively dispatched to the aid of a contaminated/injured individual and are assisted as necessary by additional personnel.		3	0	0
5. Operators are dispatched via the OSC if radiological support is needed.		3	0	0
6. Did the Control Room communicate to the OSC if support requested is urgent?		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - TSC		
20. Demonstrate the ability of the Emergency Response Organization to meet the goal of activating the Technical Support Center within one hour of the emergency declaration where the decision to mobilize the ERO was made (typically at an Alert (or higher) classification).				
Procedure(s): EPIP-TSC-1		NUREG-0654: B.6, B.7, H.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Minimum staffing requirements were met.		3	0	0
2. Personnel were instructed to place accountability cards in the accountability card boxes using the Gai-tronics.		2	0	0
3. No Eating, Drinking, Smoking, or Chewing signs were posted.		2	0	0
4. Atomic clocks were used in the TSC, other clocks used were synchronize with the Atomic Clocks.		2	0	0
5. All Volume Buttons on the Gai-tronics were turned up in the TSC.		2	0	0
6. A TSC Paging system announcement was made to declare the TSC activated.		3	0	0
7. Augmenting Staffing requirements were met.		3	0	0
8. Support Staffing requirements were met.		2	0	0
8. Control Room, OSC and EOF have been notified of the TSC activation.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - TSC		
21. Demonstrate the adequacy of the TSC facility (including space, comfort, communications, etc).				
Procedure(s): EPIP-TSC-1		NUREG-0654: F.1, H.1		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The design of the TSC is functional, not crowded and has adequate resources (technical references, power supplies, computer terminals, lighting, supplies, etc.).		2	0	0
2. The location of the TSC is near the Control Room and allows movement between the facilities.		2	0	0
3. The TSC staff is adequate to provide needed support to the Control Room during emergencies.		2	0	0
4. A separate room for at least three persons shall be provided for private NRC consultations.		2	0	0
5. Habitability of the TSC is provided with HEPA and charcoal filter ventilation, airborne radioactivity and radiation dose rate monitoring equipment. These systems include local alarm systems to warn of adverse conditions.		2	0	0
6. The TSC has reliable voice communications with the Control Room, OSC, EOF and the NRC, including: NRC FTS-ENS, HPN, dedicated phone lines between emergency facilities and communications to mobile site monitoring teams.		2	0	0
7. Equipment is provided to gather, store and display data needed to analyze plant conditions.		2	0	0
8. The TSC personnel have access to plant records and procedures.		2	0	0
		TOTALS	0	0
			WP total	PP total
Score=(WPtotal)*3		0.00 *3 =	#DIV/0!	
=		0.00	Evaluator:	
			Date:	

OBJECTIVE EVALUATION		FACILITY - TSC		
22. Demonstrate the ability of the TSC staff to assist with release path identification whenever a release is in progress or anticipated.				
Procedure(s): EPIP-EOF-6, EPIP-RR-22		NUREG-0654: I.8		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Was the release pathway known and understood by the TSC staff?		2	0	0
2. Was all plant indications and reports used to determine the release pathway?		3	0	0
3. If the release pathway was not immediately known, was a release assessment team requested and designated by the Protective Measures Coordinator?		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - TSC		
23. Demonstrate the ability of the TSC Director to manage and control technical support activities in the TSC.				
Procedure(s): EPIP-TSC-1, EPIP-RR-11		NUREG-0654: B.7, H.1		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The TSC was properly activated per EPIP-TSC-1.		2	0	0
2. 24-hour staffing for TSC personnel was established.		2	0	0
3. Access control and noise levels in the TSC were managed.		2	0	0
4. Activities of the TSC staff were maintained.		2	0	0
5. The Site Director was kept informed of operational and radiological conditions.		2	0	0
6. Communications within the TSC and outside the TSC were managed.		2	0	0
7. Priorities were established and communicated to ERO personnel.		3	0	0
8. TSC technical staff performed technical analyses of the emergency as necessary, including core damage assessments, radioactive release pathways, etc.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - TSC		
24. Demonstrate that the TSC staff is providing "technical support" to the Control Room staff by evaluating plant conditions, conducting predictions and providing engineering evaluations of events.				
Procedure(s): EPIP-TSC-1, EPIP-RR-22, EPIP-RR-13		NUREG-0654: B.6, B.7, H.1		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Communication between the Control Room and the TSC was established and maintained.		2	0	0
2. TSC staff reviewed the AOPs and EOPs that the Control Room had entered and looked ahead for possible problems and recommended feasible resolutions as necessary.		2	0	0
3. The TSC technical staff was proactive and effective in analyzing plant conditions, developing action plans and procedures to mitigate adverse conditions.		3	0	0
4. Entry Conditions to enter the SAMGs were evaluated and if necessary a decision was made to enter the SAMGs by the Site Director or TSC Director.		2	0	0
5. Were the SAMGs used to assist in providing Technical Support?		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3		#DIV/0!	Evaluator:	
=			Date:	
0.00 *3 =				
0.00				



OBJECTIVE EVALUATION		FACILITY - TSC		
25. Demonstrate the ability of the TSC staff to provide adequate and accurate accident assessment and classification support to other Command and Control Positions.				
Procedure(s): EPIP-OSC-1, EPIP-RR-19A, EPIP-TSC-8		NUREG-0654: H.1, I.1, I.2		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The Operations Liaison link with the Control Room was effective in providing prompt information to the TSC staff for evaluation and assistance.	3	2	6	6
2. After TSC activation, the TSC technical staff provided technical support to the Command and Control Position for accident mitigation and emergency classification.	3	3	9	9
		TOTALS	15	15
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3	15.00 *3 =	3.00	Evaluator:	
=	15.00		Date:	

OBJECTIVE EVALUATION		FACILITY - TSC		
26. Demonstrate the ability of the TSC staff to dispatch field teams for offsite radiological monitoring (this function is coordinated by the EOF).				
Procedure(s): EPIP-EOF-3, EPIP-RR-72		NUREG-0654: I.7, I.8, I.9, I.10		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The Protective Measures Coordinator determined the status of plant, meteorological and radiological conditions.	3	3	9	9
2. The Protective Measures Coordinator briefed the Field Teams on the above conditions and dispatched the teams to their vehicles.	3	3	9	9
3. The teams were directed by the TSC until the EOF took over the coordination function.	3	2	6	6
		TOTALS	24	24
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3		24.00 *3 =	Evaluator:	
=		24.00	Date:	
		3.00		

OBJECTIVE EVALUATION		FACILITY - OSC		
27. Demonstrate the ability of the Emergency Response Organization to meet the goal of activating the Operations Support Center within one hour of the emergency declaration where the decision to mobilize the ERO was made (typically at an Alert (or higher) classification).				
Procedure(s): EPIP-OSC-21		NUREG-0654: B.5, B.7		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Minimum staffing requirements were met.		4	0	0
2. OSC personnel were instructed to place accountability cards in the accountability card boxes.		3	0	0
3. Accountability boundaries and requirements were satisfactorily established.		3	0	0
4. Phones, writeboard monitor, PA microphone were connected and the Gai-tronics volume controls were adjusted.		3	0	0
5. The Team Tracking board was prepared for use.		3	0	0
6. No Eating, Drinking, Smoking, or Chewing signs were posted.		3	0	0
7. The OSC was declared activated on the OSC PA system.		3	0	0
8. The Site Director was informed that the OSC was activated.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - OSC		
28. Demonstrate the adequacy of the OSC facility (including space, comfort, communications, etc.).				
Procedure(s): EPIP-OSC-21		NUREG-0654: H.1, H.9		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The OSC Director can effectively maintain control over the OSC.	3	2	6	6
2. The OSC location is adequate to provide plant logistic support without interfering with Control Room operations.	3	2	6	6
3. Procedures include a provision for the evacuation of OSC personnel to another area in the event of a hazardous environment.	3	2	6	6
4. The OSC had direct communications with the Control Room and TSC and one dial telephone capable of reaching on and off-site locations.	3	2	6	6
		TOTALS	24	24
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3	24.00 *3 =	3.00	Evaluator:	
=	24.00		Date:	

OBJECTIVE EVALUATION		FACILITY - OSC		
29. Demonstrate the ability of the OSC Director to manage and control the activities in the OSC.				
Procedure(s): EPIP-RR-21		NUREG-0654: B.6		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The OSC Director was kept current on plant data.		2	0	0
2. The OSC Director held briefings to keep OSC personnel aware of plant conditions and events.		2	0	0
3. The OSC Director coordinated the development of maintenance activities and directed emergency functions as required to aid the Site Director in accident mitigation.		3	0	0
4. The OSC Director ensured that emergency teams were properly equipped, assembled, briefed and dispatched in a rapid and safe manner.		3	0	0
5. The OSC Director ensured OSC accountability and accountability of emergency teams was maintained.		3	0	0
6. The OSC Director ensured that habitability checks of the OSC and other occupied areas were performed.		3	0	0
7. The OSC Director coordinated the development of a 24 hour work schedule for OSC positions.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - OSC			
30. Demonstrate the ability of the OSC to provide radiological, maintenance, and damage control support to the Control Room.					
Procedure(s): EPIP-OSC-9, EPIP-OSC-21, EPIP-RR-21, EPIP-RR-21A, EPIP-RR-22A, EPIP-RR-87			NUREG-0654: B.5, B.6, B.7		
Enabling Objectives		Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Appropriate personnel were assigned to emergency teams and were promptly briefed and dispatched. Proper precautions were taken to maintain personnel safety and radiological exposure control.			2	0	0
2. Accountability of emergency teams was maintained.			2	0	0
3. Communication with the Control Room, TSC and inplant teams was maintained.			2	0	0
4. The status of work in progress and its priority was maintained and reported to the Control Room or Site Director.			2	0	0
5. Logs and records of work were adequately maintained.			2	0	0
			TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective				WP total	PP total
Score=(WPtotal)*3		0.00 *3 =		#DIV/0!	
=		0.00		Evaluator:	
				Date:	

OBJECTIVE EVALUATION		FACILITY - EOF		
31. Demonstrate the ability of the Emergency Response Organization to meet the goal of activating the Emergency Operations Facility within one hour of the emergency declaration where the decision to mobilize the ERO was made (typically at an Alert (or higher) classification).				
Procedure(s): EPIP-EOF-1		NUREG-0654: B.6, B.7, H.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Minimum staffing requirements were met.		3	0	0
2. All communications equipment and backup systems were operational.		2	0	0
3. An activation announcement was made to the EOF staff.		2	0	0
4. The CR, OSC, and TSC were notified that the EOF was activated.		2	0	0
5. Within one-hour of the emergency declaration, Augmenting Staffing is verified to be present.		3	0	0
6. After one-hour a determination is made to verify all positions are filled.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - EOF		
32. Demonstrate the adequacy of the EOF facility (including space, comfort, communications, etc.).				
Procedure(s): EPIP-EOF-1		NUREG-0654: F.1, H.2		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The EOF had facilities for: management of overall licensee emergency response, coordination of radiological and environmental assessment, determination of recommended public protective actions and coordination of emergency response activities with federal, state and local agencies.		2	0	0
2. The EOF was staffed to provide an overall management of resources and the continuous evaluation and coordination of licensee activities during and after the accident.		2	0	0
3. The EOF had reliable voice communications and backup systems to the TSC, Control Room, NRC and State and Local Emergency Operation Centers. The normal communication path with the Control room was through the TSC.		2	0	0
4. The EOF had equipment to coordinate radiological monitoring, offsite emergency response activities, disseminate information and provide protective action recommendations to responsible government agencies.		2	0	0
5. The EOF shall have up-to-date plant records, procedures and emergency plans which shall include: Technical Specifications, Operating Procedures, Emergency Operating Procedures, USAR, plant, State and Local Emergency Plans, Offsite population distribution data, evacuation plans and up-to-date P&IDs.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator:	Date:



OBJECTIVE EVALUATION		FACILITY - EOF		
33. Demonstrate the adequacy of EOF security.				
Procedure(s): EPIP-RR-29		NUREG-0654: H.2		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The EOF Administrative Logistics Manager contacted Security at the Energy Plaza to ensure a Security Officer was dispatched.		2	0	0
2. The Administrative Logistics Manager or a designee maintained security until a Security Officer arrived.		2	0	0
3. Security or designee ensured that all persons entering the EOF or already in the EOF were listed in the access booklet. All personnel entering the EOF or already there were required to show proper identification.		2	0	0
4. The Administrative Logistics Manager oversaw EOF security operations.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(Wptotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - EOF		
34. Demonstrate the ability of the Emergency Director to manage and control the activities in the EOF.				
Procedure(s): EPIP-OSC-2		NUREG-0654: B.6		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Access, control and noise levels in the EOF area were managed.		2	0	0
2. Activities of the EOF key positions were controlled and managed.		2	0	0
3. Communications within the EOF and with other facilities and agencies were managed.		2	0	0
4. Priorities were established, status boards and personnel were kept abreast of the priorities.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - EOF		
35. Demonstrate the ability of the EOF staff to coordinate field team activities.				
Procedure(s) EPIP-EOF-6, EPIP-EOF-3, EPIP-RR-72		NUREG-0654: I.1, I.2, I.4, I.6, I.7, I.8, I.9, I.10		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The Field Team Specialist received a proper briefing on plant status, field team activation, meteorological and radiological conditions.		3	0	0
2. Field Teams were periodically briefed on plant conditions and projected/known radiological conditions. Field Teams were reminded to check their dosimeters and reminded of established dose limits. Team member's dose was tracked.		3	0	0
3. The Field Team Specialist coordinated with the EOF Dose Assessment to directed the Field Teams to monitoring locations and satisfactorily recorded and interpreted the results.		2	0	0
4. Dose assessment projections were compared with field team data using FC-EPF-2.		2	0	0
5. When field teams dosimeter readings reached 150 mr, were the field teams instructed to leave the area and instructed to report to the EOF or the Plant site?		3	0	0
6. Was a TEDE determination completed for the field teams whose dosimeter readings exceeded 150 mr and were the requirements of EPIP-RR-72 Attachment 6.1, Step 6.4 and 6.5 completed?		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - EOF		
36. Demonstrate the ability of the EOF staff to interact with corporate and offsite officials.				
Procedure(s): EPIP-EOF-1, EPIP-OSC-2, EPIP-RR-22, EPIP-RR-29		NUREG-0654: B.6		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The interface with State officials in the EOF was maintained.		2	0	0
2. OPPD Corporate officials were kept abreast of plant conditions as necessary for media releases.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - EOF		
37. Demonstrate the ability of OPPD to support and coordinate emergency activities with the States of Iowa and Nebraska within the plume exposure pathway				
Procedure(s): EPIP-EOF-1, EPIP-OSC-2, EPIP-RR-22		NUREG-0654: C.1, C.2		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. OPPD coordinated with and provided the States of Iowa and Nebraska officials the necessary information to implement protective actions and make press releases.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - MRC		
38. Demonstrate the ability to activate the Media Release Center, interface with mock news media, and coordinate rumor control.				
Procedure(s): OPPD Crisis Communication Plan		NUREG-0654: G.3, G.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The MRC and Rumor Control Center were staffed and activated in a timely manner.		2	0	0
2. The public was supplied with prompt, accurate and significant information using a policy of full disclosure of occurring events at Fort Calhoun Station.		2	0	0
3. The media was kept informed by means of press releases, written materials, briefings, telecasts, radio broadcasts, lectures, conferences and telephone.		2	0	0
4. Recommendations or directives to the public for protective actions, including evacuation, were coordinated with state and county officials.		2	0	0
5. Rumor Control information was timely and accurate, false rumor trends were recognized and efforts were made to correct them.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - MRC		
39. Demonstrate the adequacy of the MRC facility (including space, comfort, communications, etc).				
Procedure(s): OPPD Crisis Communication Plan		NUREG-0654: G.3, G.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Supervision of the MRC and Rumor Control Center was adequately maintained. Personnel were kept informed of the plant status and prognosis.		2	0	0
2. Security of the MRC was adequate. Personnel entering the MRC had proper identification and authorization for entry.		2	0	0
3. The MRC had direct communications with the EOF and the plant, equipment was functional. The States had access to communications and required equipment.		2	0	0
4. Press briefings were timely and accurate. The information provided by the States regarding protective actions was complete and timely.		2	0	0
5. Rumor Control was properly staffed and informed of events and prognosis. Communication equipment was operational and the proper number of messages were handled.		2	0	0
6. Television and radio broadcasts were monitored for accurate and correct information. An attempt to correct misinformation was made.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - MRC		
40. Demonstrate the capability to coordinate the development and dissemination of clear, accurate and timely information to the news media.				
Procedure(s): OPPD Crisis Communication Plan		NUREG-0654: G.3, G.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Press briefings were made in a timely manner and were accurate.		2	0	0
2. Television and radio broadcasts were monitored for correct and accurate information. Misinformation was identified and corrected (if applicable).		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	



OBJECTIVE EVALUATION		FACILITY - MRC		
41. Demonstrate the capability to coordinate the formulation and dissemination of accurate information and instructions to the public.				
Procedure(s): OPPD Crisis Communication Plan		NUREG-0654: G.3, G.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The Rumor Control Center was properly staffed.		2	0	0
2. Questions of the public were promptly and accurately answered.		2	0	0
3. EBS broadcasts were monitored.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - MRC		
42. Demonstrate the capability to establish and operate rumor control in a coordinated and timely manner.				
Procedure(s): OPPD Crisis Communication Plan		NUREG-0654: G.3, G.4		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The Rumor Control Center was properly staffed.		2	0	0
2. Rumor Control messages were answered in a timely and accurate manner.		2	0	0
TOTALS			0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
43. Demonstrate the ability to develop and conduct an exercise scenario that tests a major portion of the basic elements in the licensee, state and local emergency plans.				
Procedure(s): EPT-20		NUREG-0654: N.1		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Scope and objectives developed and submitted in a timely manner.		2	0	0
2. Scenario package developed and submitted in a timely manner.		3	0	0
3. Scenario included objectives to address weakness(es) from previous exercises (if applicable).		2	0	0
4. Findings identified in the critique process or NRC evaluation are not attributable to a scenario problem or weakness.		2	0	0
5. The scenario contains appropriate data for controllers to provide to players as it is earned.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
44. Demonstrate the ability to conduct a post-exercise critique process to identify both strengths and areas for improvement.				
Procedure(s): EPT-20		NUREG-0654: N.4, N.5		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. All failures to meet exercise objectives were identified.		2	0	0
2. Facility critiques identified failures to meet objectives (if any).		2	0	0
3. Lead Evaluators coordinated effective facility critiques.		2	0	0
4. Lead Evaluators and Key Players identified failures to meet objectives.		3	0	0
5. Improvement items are effectively identified.		2	0	0
6. An effective Lead Controller/Evaluator/Player critique is conducted.		2	0	0
7. A thorough critique report was prepared for the Management Brief.		2	0	0
8. There was active participation by management during the briefing.		2	0	0
9. Critique findings were documented in the CR progress.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
45. Demonstrate the operability of the ERFCS Terminals in the TSC, EOF, and the OSC.				
Procedure(s): OI-ERFCS-01		NUREG-0654: NA		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. All ERF Computer Terminals are operable in the Emergency Facilities.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
46. Demonstrate the ability to evaluate the need to, and if necessary, relocate the OSC to an alternate location.				
Procedures: EPIP-OSC-21		NUREG-0654: NA		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The guidelines of EPIP-OSC-21 were used.		2	0	0
2. Continuous accountability was maintained or verified after relocating.		3	0	0
3. The OSC supported the Control Room as much as possible while relocating the OSC.		3	0	0
4. Actions were taken to minimize or prevent contamination of personnel and the new location. ALARLA was considered.		3	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
47. Demonstrate the ability of the Emergency Response Organization to use and follow their procedures.				
Procedure(s): NA		NUREG-0654: NA		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Command and Control positions used and followed their procedures and checklists (EPIP-OSC-2).		3	0	0
2. All ERO positions used and followed their procedures and checklists.		3	0	0
TOTALS			0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3 =	0.00 *3 = 0.00	#DIV/0!	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
48. Demonstrate the ability to perform Dose Assessments as required per EPIP-EOF-6.				
Procedure(s):		NUREG-0654:		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Dose assessments are performed as required by EPIP-EOF-6.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	



OBJECTIVE EVALUATION			FACILITY - ALL			
49. Demonstrate the ability to release appropriate and factual information to the public using press releases and media briefings.						
Procedure(s):			NUREG-0654:			
Enabling Objectives			Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. PARs are not released to the media and the public, only actual protective actions implemented by the states are release to the media and the public.				3	0	0
2. Information released to the media and the public, dealing with radiological releases are consistent with the definition of release described in EPIP-OSC-2.				3	0	0
				TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective					WP total	PP total
Score=(WPtotal)*3		0.00 *3 =		#DIV/0!		Evaluator:
=		0.00				Date:

OBJECTIVE EVALUATION		FACILITY - ALL		
50. Demonstrate the ability to fill out and complete a 24-hour Staffing Roster with qualified personnel.				
Procedure(s): EPIP-RR-29, EPIP-RR-17A		NUREG-0654: NA		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. FC-EPF-9 is completed for the OSC 24-hour staffing with qualified personnel.		2	0	0
2. FC-EPF-10 is completed for the CRTSC 24-hour staffing with qualified personnel.		2	0	0
3. FC-EPF-11 is completed for the EOF 24-hour staffing with qualified personnel.		2	0	0
4. FC-EPF-12 is completed for the MRC 24-hour staffing with qualified personnel.		2	0	0
5. Procedures are adequate and understood by the personnel involved in completing the 24-staffing schedules.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	



OBJECTIVE EVALUATION		FACILITY - ALL		
52. Demonstrate that emergency personnel who would respond to a medical emergency while the ERO is activated have self reading dosimetry with them. This objective is base on a weakness identified during the November 8, 2000 Exercise. The weakness read: Two EMTs and three Security Officers entered the maintenance shop area to render first aid to a chemist having a heart attack without having self-reading dosimetry. Due to the scenario radiological conditions the people would have received a dose of 2R.				
Procedure(s): CONDITION REPORT: 200002301		NUREG-0654: NA		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The medical responder upon reporting has a TLD and SRD.		3	0	0
2. All personnel responding to a medical emergency in an RCA during a declared emergency have TLDs and a SRD/Electronic Dosimeter or an RP Technician responds with them with instrumentation to monitor dose.		4	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
53. If scenario conditions require, demonstrate the ability to relocate the OSC to an alternate location. This objective is based on a weakness identified during the November 2000 Exercise. The weakness read: During the relocation of the OSC to the TSC, the double doors to the TSC were held open by OSC personnel waiting to enter the TSC. This defeated the purpose of the double doors in maintaining habitability in the TSC and could have potentially resulted in a loss of TSC habitability. Also, during discussions with the exercise lead evaluator, it was noted that the double doors do not latch properly and are in need of repair. Inadequate time was taken to perform frisking. There was a lack of familiarity with the EPIP-OSC-21 Attachment 6.5. Continuous accountability was not maintained during the relocation. The alternate OSC area was not of adequate size for the number of people in the OSC. NOTE: The TSC fan room was not habitable to hold the OSC craft personnel.				
Procedure(s): CONDITION REPORT: 200002299		NUREG-0654: NA		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Attachment 6.5 of EPIP-OSC-21 was used.	4	2	8	6
2. The OSC maintain support for the Control Room as much as possible during the relocation.	3	2	6	6
3. Continuous Accountability was maintain during and verified after the relocation.	3	2	6	6
4. Precautions were used to minimize the spread of contamination during the move and at the alternate facility.	3	2	6	6
		TOTALS	26	24
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3 =	26.00 *3 = 24.00	3.25	Evaluator: Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
54. Demonstrate that all ERFCS computer terminals function correctly using the plant computer system. This objective is based on an Exercise Weakness identified in the November 2000 Exercise. The Weakness read as follows: TSC Reactor Engineers ERF terminal did not work. Repeat weakness from August 30, 2000 drill, reference Condition Report 200001669.				
Procedure(s): CONDITION REPORT: 200002302		NUREG-0654:		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. All ERF Terminals are tested satisfactorily using the plant computer system, not the Simulator computer system. It is desirable to have participants perform this test, but not required.		4	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
55. Demonstrate the ability to keep personnel warned of changing radiological other hazardous plant conditions. This objective is based on a weakness identified in the October 2001 Exercise. The weakness read: There was no announcement of high radiation levels in the Auxiliary Building made in accordance with Step 1 of AOP-09. The radiological conditions were changing rapidly at that time and ERO and Operations personnel were in the Auxiliary Building. The announcement is designed to alert personnel of changing plant and radiological conditions.				
Procedure(s): CONDITION REPORT: 200103386		NUREG-0654: NA		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. The announcements of AOP-9 are made as required.		2	0	0
2. Plant personnel are kept advised of other hazardous conditions, including personnel, on the roofs, old warehouse, Training Center, and Administration Building.		2	0	0
3. Personnel in the field are kept advised of significant changes in plant conditions, this includes OSC teams, operators and security personnel.		2	0	0
TOTALS			0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3	0.00 *3 =	#DIV/0!	Evaluator:	
=	0.00		Date:	

OBJECTIVE EVALUATION		FACILITY - ALL		
56. Management expectations for exercise participation and conduct were met. This objective is based on an Exercise Weakness identified during the October 2001 Exercise.				
Procedure(s): CONDITION REPORT: 200103387		NUREG-0654: NA		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Personnel attended required controller training and participant briefings.		2	0	0
2. Facility briefing sheets were used consistently by the C&C Personnel.		2	0	0
3. Field team comparisons per EPIP-RR-72 and the checklist was completed.		2	0	0
4. Second shift person are briefed and sent home for rest.		2	0	0
5. KI authorization entries in the Emergency Director log have proper annotation as required by procedure (EPIP-EOF-21).		2	0	0
6. ERO personnel used and followed their procedures consistently.		2	0	0
7. Personnel leaving the facilities signed out on the accountability roster and signed in when entering a facility.		2	0	0
8. Three-way and two-way communication was used consistently as required in all facilities.		2	0	0
9. Logs, records, forms, and checklists are maintained, completed, and signed in an accurate and legible fashion.		2	0	0
10. No Eating, Drinking, Smoking or Chewing” announcements and signs were adhered to.		2	0	0
11. All ERO personnel responded to their facilities unless they were exempted from doing so.		2	0	0
12. Participants followed and adhered to radiological and accountability boundaries.		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3		#DIV/0!	Evaluator:	
= 0.00 *3 = 0.00			Date:	





OBJECTIVE EVALUATION		FACILITY - ALL		
58. Verify that control of In-Plant Teams meet management expectations.				
		58	NUREG-0654:	
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Verify that vital information regarding injured personnel are communicated from the Control Room to the OSC.		2	0	0
2. Verify that all facilities are made aware of the location of any injured person.		2	0	0
3. Verify that personnel exhibit an appropriate sense of urgency regarding injured personnel and do not delay getting a medical responder to the victim.		2	0	0
4. Verify that the Control Room advises the OSC when they require assistance so delays in team dispatch can be avoided.		2	0	0
5. Verify that teams leaving the OSC take the proper equipment for the area to which they are responding, i.e., flashlights.		2	0	0
6. Verify that Security personnel are included on teams as required to avoid damage to plant equipment (i.e. cutting of locks).		2	0	0
		TOTALS	0	0
0-Not Evaluated 1-does not meet 2-marginally meets 3-meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3		0.00 *3 =	Evaluator:	
=		0.00	Date:	
		#DIV/0!		

OBJECTIVE EVALUATION			FACILITY - ALL	
59. Verify that the Control Room Log is maintained throughout the exercise.				
Procedure(s):		Condition Report: 200203956		NUREG-0654:
Enabling Objectives		Points 1-3	Weighting Factor	Weighted Points
1. Verify any deviations from Technical Specifications are logged in the Control Room Log.			2	0
2. Verify any deviations from procedures are logged in the Control Room log.			2	0
			TOTALS	0
				0
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3		0.00 *3 =		Evaluator:
=		0.00		Date:
		#DIV/0!		

OBJECTIVE EVALUATION		FACILITY - ALL		
60. Verify Continuous Accountability is maintained in the Control Room, TSC and OSC.				
Procedure(s):		NUREG-0654:		
Enabling Objectives	Points 1-3	Weighting Factor	Weighted Points	Potential Points
1. Verify personnel sign in on the Accountability Roster when reporting to their ERO facility.	3	2	6	6
2. Verify personnel released for second shift sign out when leaving their ERO facility.	3	2	6	6
3. Verify that OSC personnel do not use the back door of the OSC which is posted "DO NOT EXIT - USE SOUTHWEST STAIRCASE."	3	2	6	6
		TOTALS	18	18
0-Not Evaluated 1-does not meet 2- marginally meets 3- meets objective			WP total	PP total
REMARKS:				
Score=(WPtotal)*3	18.00 *3 =		Evaluator:	
=	18.00		Date:	
		3.00		