Waterford 3 Steam Electric Station

After Action Report/Improvement Plan

Drill Date: September 15 – 16, 2016

Radiological Emergency Preparedness Program

FEMA

Published: November 1, 2016

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Executive Summary

On September 15 and 16, 2016, out of sequence drills (Medical Services and Emergency Worker Monitoring and Decontamination Station) were conducted for the Waterford 3 Steam Electric Station (Waterford 3), located near Taft, St. Charles Parish, Louisiana. Personnel from the U.S. Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) Region VI, evaluated all activities. The purpose of the drills was to assess the level of preparedness of local responders to react to a simulated radiological emergency at Waterford 3. The previous exercise at this site was a Hostile Action Based exercise conducted on June 24, 2015.

Personnel from the State of Louisiana, Waterford 3, West Jefferson Medical Center, St. Charles Parish Hospital Emergency Medical Services, Kenner Fire Department, and Kenner Police Department participated in the drills. Evaluation areas demonstrated included: Emergency Operations/Facilities, Protective Action Implementation, and Support Operations/Facilities. Cooperation and teamwork of all the participants was evident during the drills and DHS/FEMA wishes to acknowledge these efforts.

This report contains the final evaluation of the out of sequence drills. The participants demonstrated knowledge of their emergency response plans and procedures and adequately demonstrated them. There were no Level 1 Findings identified. Four Level 2 Findings were observed and corrected on the spot. In addition, one Plan Issue was identified as a result of the drills.

Section 1: Exercise Overview

1.1 Exercise Details

Exercise Name
2016 Waterford 3 Steam Electric Station Radiological Emergency Preparedness (REP) Program Evaluated Exercise

Type of Exercise
Drill

Exercise Date(s)
September 15 and 16, 2016

Program
Department of Homeland Security (DHS) Federal Emergency Management Agency (FEMA) REP Program

Scenario Type
Radiological Emergency

1.2 Exercise Planning Team Leadership

Nan Williams
RAC Chair
FEMA Region VI
800 N. Loop 288
Denton, Texas 76209
940-898-5398
Nan.Calhoun@fema.dhs.gov

Linda Gee
Federal Evaluation Team Lead
FEMA Region VI
Technological Hazards Branch
800 N. Loop 288
Denton, Texas, 76209
940-898-5368
Linda.Gee@fema.dhs.gov

Toni Booker
State Planning Team Lead
Louisiana Department of Environmental Quality
Environmental Scientist Supervisor
602 N. Fifth Street
Baton Rouge, Louisiana 70802
225-219-3627
Toni.Booker@la.gov

Donald Vincent
Utility Planning Team Lead
Waterford 3 Steam Electric Station
Senior Emergency Planner
172265 River Rd
Killona, Louisiana 70057
504-739-6406
Dvincent2@entergy.com

1.3 Participating Organizations

Agencies and organizations of the following jurisdictions participated in the 2016 Waterford 3 Steam Electric Station drills:

State Jurisdictions:
- Louisiana Department of Environmental Quality

Risk Jurisdictions:
- St. Charles Parish Ambulance Service

Support Jurisdictions:
- Kenner Fire Department
- Kenner Police Department

Private Organizations:
- West Jefferson Medical Center

Section 2: Exercise Design Summary

2.1 Exercise Purpose and Design

The DHS/FEMA Region VI Office evaluated drills conducted on September 15 and 16, 2016 were to assess the capabilities of local emergency preparedness organizations in implementing their Radiological Emergency Response Plans and Procedures to protect the public health and safety during a radiological emergency involving Waterford 3. The purpose of this report is to present the results and findings on the performance of the offsite response organizations during a simulated radiological emergency.

2.2 Exercise Objectives, Capabilities, and Activities

Exercise objectives and identified Capabilities/REP Criteria selected to be exercised are discussed in the Exercise Plan, Appendix D.

2.3 Scenario Summary

The drill scenarios were developed to evaluate the response of drill participants to an incident requiring evacuation of the public from the Emergency Planning Zone surrounding Waterford 3. The scenarios provided for an out of sequence Emergency Worker Monitoring and Decontamination Station drill and an out of sequence Medical Services drill.

The Medical Services drill was developed to evaluate the response of drill participants to an incident at Waterford 3 requiring the transportation, treatment, and decontamination of a radiologically contaminated injured individual. The medical services drill scenario provided for the evaluation of West Jefferson Medical Center and St. Charles Parish Hospital Emergency Medical Services.

Additionally, a scenario was provided for evaluation of the Kenner Fire Department's Emergency Worker Monitoring and Decontamination Station's ability to conduct

monitoring, decontamination, and registration for emergency workers and their vehicles and equipment.

Section 3: Analysis of Capabilities

3.1 Exercise Evaluation and Results

This section contains the results and findings of the evaluation of all jurisdictions and functional entities that participated in the September 15 and 16, 2016 evaluated drills to test the offsite emergency response capabilities of local governments in the Emergency Planning Zone surrounding Waterford 3.

Each jurisdiction and functional entity was evaluated based on their demonstration of Capabilities and their equivalent REP criteria as delineated in the FEMA REP Program Manual dated January 2016.

3.2 Summary Results of Drill Evaluation

The matrix presented in the table on the following page presents the status of all exercise evaluation area criteria which were scheduled for demonstration during these drills by all participating jurisdictions and functional entities. Exercise criteria are listed by number and the demonstration status is indicated by the use of the following letters:

M - Met (No Level 1 or Level 2 Findings assessed, and no unresolved ARCAs from prior exercise)

1 – Level 1 Finding(s); formerly Deficiency assessed

2 – Level 2 Finding(s); formerly area requiring corrective action assessed or an unresolved Level 2 Finding from a prior drill or exercise

P - Plan Issue

Table 3.2 - Summary of Drill Evaluation

DATE: September 15-16, 2016 SITE: Waterford 3 M: Met, 1: Level 1 Finding, 2: Level 2 Finding, P: Plan Issue, N: Not Demonstrated		WJMC	St. Charles EMS	Kenner EWMDS									
Emergency Operations Management													
Alert and Mobilization	1a1												
Facilities	1b1												
Direction and Control	1c1												
Communications Equipment	1d1												
Equipment and Supplies to Support Operations	1e1	M	M	M									
Protective Action Decision Making													
Emergency Worker Exposure Control	2a1												
Dose Assessment & PARs & PADs for the Emergency Event	2b1												
Dose Assessment & PARs & PADs for the Emergency Event	2b2												
PADs for the Protection of persons with disabilities and access/functional needs	2c1												
Radiological Assessment and Decision-making for the Ingestion Exposure Pathway	2d1												
Radiological Assessment & Decision-making Concerning Post-Plume Phase Relocation, Reentry, and Return	2e1												
Protective Action Implementation													
Implementation of Emergency Worker Exposure Control	3a1	M	M	M									
Implementation of KI Decision for Institutionalized Individuals and the Public	3b1												
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c1												
Implementation of Protective Actions for persons with disabilities and access/functional needs	3c2												
Implementation of Traffic and Access Control	3d1												
Implementation of Traffic and Access Control	3d2												
Implementation of Ingestion Pathway Decisions	3e1												
Implementation of Ingestion Pathway Decisions	3e2												
Implementation of Post-Plume Phase Relocation, Reentry, and Return Decisions	3f1												
Field Measurement and Analysis													
RESERVED	4a1												
Plume Phase Field Measurement and Analyses	4a2												
Plume Phase Field Measurement and Analyses	4a3												
Post Plume Phase Field Measurements and Sampling	4b1												
Laboratory Operations	4c1												
Emergency Notification and Public Info													
Activation of the Prompt Alert and Notification System	5a1												
RESERVED	5a2												
Activation of the Prompt Alert and Notification System	5a3												

Activation of the Prompt Alert and Notification System	5a4												
Support Operations/Facilities													
Reception Center Operations	6a1												
EW Monitoring & Decontamination	6b1			P									
Congregate Care	6c1												
Contaminated Injured Transport & Care	6d1	M	M										

3.3 Criteria Evaluation Summaries

3.3.1 Risk Jurisdictions

3.3.1.1 St. Charles Parish Hospital Emergency Medical Services

In summary, the status of DHS/FEMA criteria for this location is as

follows: a. MET: 1.e.1, 3.a.1, 6.d.1
b. LEVEL 1 FINDING: None
c. LEVEL 2 FINDING: 3.a.1

ISSUE NO.: 70-16-3a1-L2-01

CRITERION: The OROs issue appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. OROs maintain appropriate record-keeping of the administration of KI to emergency workers.

CONDITION: Emergency workers were unsure of how to turn on the Dosicard Electronic Alarming Dosimeter (EAD) issued during the drill. They had been trained on the use of a pencil dosimeter prior to the drill.

POSSIBLE CAUSE: Introducing new dosimetry equipment into the field without prior training for emergency workers.

REFERENCE: NUREG-0654/FEMA-REP-1, K.3.a, b; K.4
REP Program Manual, Part III, Assessment Area 3, Criterion 3.a.1
St. Charles Parish Hospital Policy & Procedure Manual (7/2016)

EFFECT: Emergency workers could have been at risk of excess radiation exposure, potentially causing serious health issues, and making them unaware of the need to remove themselves from the area and/or event.

CORRECTIVE ACTION DEMONSTRATED: A timeout was called and training was

conducted for the emergency workers (EWs). The EWs turned on their Dosicard and reported the readings to the Control Point Attendant.

d. PLAN ISSUES: None
e. NOT DEMONSTRATED: None
f. PRIOR ISSUES – RESOLVED: None
g. PRIOR ISSUES – UNRESOLVED: None

3.3.2 Support Jurisdictions

3.3.2.1 Kenner Emergency Worker Monitoring and Decontamination Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

a. MET: 1.e.1, 3.a.1, 6.b.1
b. LEVEL 1 FINDING: None
c. LEVEL 2 FINDING: 6.b.1

ISSUE NO.: 70-16-6b1-L2-02

CRITERION: The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their equipment and vehicles.

CONDITION: At the Vehicle Monitoring Station, via inject (Cue Card 2B), contamination was found on the driver's side front wheel. The EW reported the contamination but did not take note that the survey meter had pegged out and did not change the scale from x 0.1 to x 1.

POSSIBLE CAUSE: Insufficient training on survey meter use.

REFERENCE: NUREG-0654/FEMA-REP-1, K.5.a, b
REP Program Manual, Part III, Assessment Area 6, Criterion 6.b.1
Kenner Decon Station Checklist 2 Vehicle Monitor, Rev. 5 (09/07/16)

EFFECT: If survey meters are on the wrong scale, inaccurate readings could be interpreted as no contamination, placing a dirty vehicle in a clean vehicle lot and potentially spreading contamination.

CORRECTIVE ACTION DEMONSTRATION: A timeout was called and training conducted, and EWs demonstrated changing the meter scale accordingly and reported accurate readings.

ISSUE NO.: 70-16-6b1-L2-03

CRITERION: The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their equipment and vehicles.

CONDITION: Members of the Decontamination Team were unable to determine correct background readings.

POSSIBLE CAUSE: The Monitor performed the mathematical calculations on a differing scale incorrectly.

REFERENCE: NUREG-0654/FEMA-REP-1, K.5.a, b
REP Program Manual, Part III, Assessment Area 6, Criterion 6.b.1
Kenner Decon Station Checklist 4 Decontamination Monitor, Rev. 5 (09/07/16)

EFFECT: Incorrect readings that were lower than the actual readings were used. This miscalculation could cause contamination to go undetected leading to the spread of contamination and increase in exposures to the EW and others.

CORRECTIVE ACTION DEMONSTRATION: A timeout was called and retraining conducted. The team member then demonstrated the proper way to read the survey meter.

ISSUE NO.: 70-16-6b1-L2-04

CRITERION: The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their equipment and vehicles.

CONDITION: After surveying the contaminated EW, the Personnel Monitoring Recorder placed the Personnel Contamination Report Form into the same plastic bag that held the EW's personal belongings.

POSSIBLE CAUSE: Insufficient training on contamination control.

REFERENCE: NUREG-0654/FEMA-REP-1, K.5.a, b
REP Program Manual, Part III, Assessment Area 6, Criterion 6.b.1
Kenner Decon Station Checklist 3 Personnel Monitor, Rev. 5 (09/07/16)

EFFECT: The EW's personal belongings were contaminated, the Personnel Contamination Report Form would also be contaminated. Contamination could be spread to other areas outside of the decontamination area upon removal of the Personnel Contamination Report Form from the plastic bag.

CORRECTIVE ACTION DEMONSTRATION: A timeout was called and retraining conducted. The Team Member then correctly demonstrated this in accordance to their

checklist.

d. PLAN ISSUES: 6.b.1

ISSUE NO.: 70-16-6b1-P-05

CRITERION: The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their equipment and vehicles.

CONDITION: Plans and procedures do not specifically address what to do with personal items during the decontamination process.

POSSIBLE CAUSE: The procedure needs to provide a specific process for removal, contamination survey, decontamination (if needed), tracking, and disposition of personal items.

REFERENCE:
NUREG-0654/FEMA-REP-1, K.5.a, b
REP Program Manual, Part III, Assessment Area 6, Criterion 6.b.1
Kenner Decon Station Checklist 3 Personnel Monitor, Rev. 5 (09/07/16)

EFFECT: Lack of instructions in plans and procedures on the proper way to process personal items could lead to further spread of contamination to the emergency worker or evacuee if personal items are not properly processed for contamination and decontaminated prior to return to the evacuee.

RECOMMENDATION: Currently procedures contain instructions to remove, bag and mark personal items, but do not address monitoring items for contamination, specific method to track personal items, and disposition of personal items. Update plans and procedures to address how personal items will be surveyed for contamination, decontaminated (if appropriate), tracked and returned to individuals once assured that they are free of contamination.

e. NOT DEMONSTRATED: None
f. PRIOR ISSUES – RESOLVED: None
g. PRIOR ISSUES – UNRESOLVED: None

3.3.3 Private Jurisdictions

3.3.2.2 West Jefferson Medical Center

In summary, the status of DHS/FEMA criteria for this location is as follows:

a. MET: 1.e.1, 3.a.1, 6.d.1
b. LEVEL 1 FINDING: None
c. LEVEL 2 FINDING: None
d. PLAN ISSUES: None
e. NOT DEMONSTRATED: None
f. PRIOR ISSUES – RESOLVED: None
g. PRIOR ISSUES – UNRESOLVED: None

Section 4: Conclusion

Based on the results of the drill, the offsite radiological emergency response plans and preparedness for the State of Louisiana and the affected local jurisdictions are deemed adequate to provide reasonable assurance that appropriate measures can be taken to protect the health and safety of the public in the event of a radiological emergency. Therefore, 44 CFR Part 350 approval of the offsite radiological emergency response plans and preparedness for the State of Louisiana site-specific to Waterford 3 Steam Electric Station will remain in effect.

Appendix A: Improvement Plan

ISSUE NUMBER: 70-16-6b1-P05	Criterion: 6b1
CONDITION: The Kenner Fire Department Decon Station (Rev. 9) plans and procedures do not specifically address what to do with personal items during the decontamination process.	
RECOMMENDATION: Currently procedures contain instructions to remove, bag and mark personal items, but do not address monitoring items for contamination, specific method to track personal items, and disposition of personal items. Update plans and procedures to address how personal items will be surveyed for contamination, decontaminated (if appropriate), tracked and returned to individuals once assured that they are free of contamination.	
CORRECTIVE ACTION DESCRIPTION: The Kenner Fire Department will incorporate segregation and survey procedures for personal items into the written procedures.	
	PRIMARY RESPONSIBLE AGENCY:
	START DATE:
AGENCY POC:	ESTIMATED COMPLETION DATE:

Appendix B: Exercise Evaluators and Team Leaders

Regional Assistance Committee (RAC)

Chair: Nan Williams **Section Chief: Denise Bordelon** **Site Specialist: Linda Gee**

LOCATION	EVALUATOR	AGENCY
St. Charles Parish Hospital Emergency Medical Services	Elsa Lopez *Linda Gee	FEMA RVI FEMA RVI
Kenner Emergency Worker Monitoring and Decontamination Station	Tim Pflieger Elsa Lopez *Linda Gee	FEMA RVI FEMA RVI FEMA RVI
West Jefferson Medical Center	Linda Gee *Tim Pflieger	FEMA RVI FEMA RVI
* Team Leader		

Appendix C: Acronyms and Abbreviations

Acronym	Meaning
AAR	After Action Report
CFR	Code of Federal Regulations
DHS	Department of Homeland Security
CPA	Control Point Attendant
CPM	Counts Per Minute
DRD	Direct Reading Dosimeter
EAD	Electronic Alarming Dosimeter
EMS	Emergency Medical Services
EOC	Emergency Operations Center
EW	Emergency Worker
EWMDS	Emergency Worker and Vehicle Monitoring and Decontamination Station
EPZ	Emergency Planning Zone
FEMA	Federal Emergency Management Agency
KFD	Kenner Fire Department
KI	Potassium Iodide
mR	Milliroentgens
MS-1	Medical Services Drill
NUREG-0654/ FEMA REP-1	NUREG-0654/FEMA-REP-1, Rev. 1, *"Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980*
OIC	Officer in Charge
OSL	Optically Stimulated Luminescent
PRD	Permanent Record Dosimeter
R	Roentgen
REA	Radiation Emergency Area
REP	Radiological Emergency Preparedness
RSO	Radiation Safety Officer
TLD	Thermoluminescent Dosimeter

Appendix D: Extent-of-Play Agreement and Scenarios

WATERFORD 3 STEAM

ELECTRIC STATION 2016

OFFSITE DRILLS

September 15 & 16, 2016

Evaluated Organizations

WEST JEFFERSON MEDICAL CENTER

ST CHARLES PARISH AMBULANCE SERVICE

KENNER FIRE DEPARTMENT EMERGENCY WORKER MONITORING AND DECONTAMINATION STATION

APPROVAL: John Signorelli

EMERGENCY PLANNING MANAGER

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I. INTRODUCTION

In the interest of assuring the health and safety of the general public near the Waterford 3 Steam Electric Station, in the event of a radiological emergency, Waterford 3 periodically conducts drills jointly with the Federal, State and local agencies.

This manual contains the scenario of activities and supporting data describing the Waterford 3 Emergency Preparedness Medical Services, and Emergency Worker Monitoring and Decontamination Station drills.
This scenario was developed by postulating events that will require response by offsite organizations.

During this drill, the support organizations will respond to the simulated events and conditions that have been selected to provide the level of activity necessary to meet the scenario objectives.

City of Kenner Fire Department, West Jefferson Medical Center, and St Charles Parish Ambulance will participate in this drill.

Drill participants will have no prior knowledge of the sequence of events. The drill scenario will allow those individuals and agencies assigned to respond during a radiological emergency to demonstrate their performance according to current emergency preparedness plans and procedures.

The scenario is a mechanism by which selected drill controllers will initiate and evaluate the activities of the drill participants. The individual drills will be initiated as shown below and each are expected to last approximately three hours.

Participating organizations are shown in Section IV, Guidelines, of this manual.

A. SCHEDULE

1. Thursday September 15, 2016
   08:00 am West Jefferson Medical Center
2. Friday September 16, 2016
   07:30 am Kenner Fire Department
   Emergency Worker Monitoring and Decontamination Station

II. EXTENT OF PLAY

A. EVALUATION AREA 1: EMERGENCY OPERATIONS MANAGEMENT

Sub-Element 1.e – Equipment and Supplies to Support Operations

Criterion 1.e.1: Equipment, maps, displays, dosimetry, potassium iodide (KI) and other supplies are sufficient to support emergency operations. (NUREG-0654/FEMA-REP-1, H.7, 10; I.7, 8, 9; J.10.a, b, e; J.11, 12; K.3.a; K.5.b)

1. Locations

   Jefferson Medical Center, St Charles Parish Ambulance, and Kenner Fire Department EWMDS

2. Extent of Play

   Correction-on-the-spot will be conducted at these locations at the discretion of and concurrence between the evaluator and the controller. Caution should be exercised to insure that exercise play is not interrupted.

3. ARCAs

   None

B. EVALUATION AREA 3: PROTECTIVE ACTION IMPLEMENTATION

Sub-Element 3.a – Implementation of Emergency Worker Exposure Control

Criterion 3.a.1: The OROs issue appropriate dosimetry and procedures, and manage radiological exposure to emergency workers in accordance with the plans and procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. (NUREG-0654/FEMA-REP-1, J.10.e; K.3.a, b; K.4)

1. Locations

   Jefferson Medical Center, St Charles Parish Ambulance, and Kenner Fire Department EWMDS

2. Extent of Play

   a. Area dosimetry may be used at the EWMDS, and hospital.

b. Correction on the spot, at the discretion of and concurrence between the evaluator and the controller, may be acceptable at these locations.

3. ARCAs

None

C. EVALUATION AREA 6: SUPPORT OPERATIONS/FACILITIES

Sub-element 6.b – Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles

Criterion 6.b.1: The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their equipment and vehicles. (NUREG-0654/FEMA-REP-1, K.5.a, b)

1. Locations

Kenner Fire Department

2. Extent of Play

a. Participants will be pre-staged at or near the EWMDS

b. Per the REP Manual, a minimum of two emergency workers need to be monitored. Two people will simulate workers for the demonstration. One monitoring station will be set up and the two workers processed. One of the two will be simulated contaminated. One monitoring station for contaminated emergency workers will be set up and the contaminated individual will be processed to the decontamination station. Decontamination will be evaluated by demonstration and furt her discussion.

c. Correction-on-the-spot will be considered at these locations at the discretion of and concurrence between the evaluator and the controller. Caution should be exercised to insure that exercise play is not interrupted.

3. ARCAs

None

Sub-Element 6.d – Transportation and Treatment of Contaminated Injured Individuals

Criterion 6.d.1: The facility/ORO has the appropriate space, adequate resources and trained personnel to provide transport, monitoring, decontamination and medical services to contaminated injured individuals. (NUREG-0654/FEMA-REP-1, F.2; H.10; K.5.a, b; L.1, 4)

1. Locations

   St Charles EMS, West Jefferson Medical Center

2. Extent of Play

   Attachment J – Aeromedical Transportation of a Radioactively Contaminated Patient of Radiation Accident Plan will remain in place since this procedure is applicable to the patient transportation from utility. However, Louisiana Peacetime Radiological Response Plan does not include the use of Ochsner Flight Care and it will not be demonstrated.

   a. All surgical procedures, X-rays, blood samples, starting of IV's, etc., will be simulated.

   b. Ambulance travel times will be simulated.

   c. Ambulance will be pre-staged at a location where simulated contaminated patient loading will be demonstrated.

   d. The lead controller initiates the drill by contacting the St Charles Ambulance Service and reporting a contaminated evacuee at the St Charles Parish West Bank Bridge Park (simulated location).

      i. Simulated contaminated patient will be loaded into the ambulance and transported to the West Jefferson Medical Center REA.

      ii. If for some reason, the EMS unit is called into service in response to an actual event, the patient transportation will take place using an alternate vehicle.

   e. West Jefferson Medical Center will be contacted by ambulance crew reporting a contaminated, injured evacuee at the St Charles Parish West Bank Bridge Park being transported to their location.

      i. The simulated estimated time of arrival (ETA) will allow the hospital to completely mobilize

IV. GUIDELINES

To define the scope and extent of participation by organizations and participants, the following guidelines are established in order to meet the objectives listed in Section III of this manual.

1. The offsite drills will be conducted as follows:
    a) September 15, 2016
        (1) Medical Drill
    b) September 16, 2016
        (1) Emergency Worker Monitoring and Decontamination Station
2. Participation is limited to St Charles Parish Ambulance Service Staff, West Jefferson Medical Center Emergency Room Staff, and Kenner Fire Department and the Drill Control Team. **No** Waterford 3 plant staff will participate.
3. All communications are preceded and ended with "THIS IS A DRILL."
4. A critique is conducted immediately following the termination of the drill.
5. Drill specific guidelines will be addressed in their individual appendices.

(A)V. NARRATIVE SUMMARY

An evacuee is injured in a motor vehicle accident and has been transported by relatives to the West Bank Bridge Park. The evacuee has been surveyed by members of the Parish staff and has been found to be contaminated. St Charles Ambulance Service was requested to provide treatment and transportation of a contaminated patient to the West Jefferson Medical Center for treatment.

The Drill Control Team simulates first aid.

At approximately 07:45, the St Charles Ambulance Service is (simulated) dispatched to the patient location.

At 08:00, the Drill Control Team calls the West Jefferson Medical Center to report the simulated medical emergency. The initial advisement to the ambulance has been that there is an injured individual located at the West Bank Bridge Park who is radiologically contaminated due to a radiological release from Waterford-3.

Once the ambulance arrives, the individual should be medically evaluated. A turnover (from the controller) of the radiological status will be provided to the ambulance personnel. As medical treatment and patient transport continue, contamination control measures should proceed. The ambulance personnel should communicate with WJMC upon their departure from the simulated West Bank Bridge Park which should include medical and radiological information as well as an ETA (estimated time of arrival).

The EMTs will provide radio updates to WJMC during simulated transportation of the patient.

At approximately 08:30, the ambulance will arrive at WJMC. The patient will be taken into the REA, decontaminated and treated for the simulated injuries. After the patient has been removed from the REA and the proper removal of protective clothing has been demonstrated, the medical drill will be terminated. A critique of the events will be conducted.

Any required x-rays or required samples may be simulated by hospital personnel after demonstrating knowledge of requirements and processes.

APPENDIX D - DRILL TEAM ASSIGNMENTS

A. West Jefferson Medical Center MS-1

Lead Controller – TBD

Patient Transfer Controller – TBD

REA Controller – TBD

Mobilization/Buffer Zone Controller – TBD

B. Kenner Fire Department Emergency Worker Monitoring and Decontamination Station

Lead Controller – TBD

Vehicle Monitoring Controller – TBD Personnel

Monitoring Controller – TBD Decontamination

Controller – TBD

APPENDIX E - DRILL TEAM INSTRUCTIONS

A. All Drill Control Team members for the Offsite Drill will be briefed by the Lead Controller prior to conducting the drill.

B. All Drill Control Team members will report as follows:

1. West Jefferson Medical Center
   a. 07:30 am September 15, 2016
2. Kenner Fire Department EWMDS
   b. 07:00 am September 16, 20016

C. All Drill Control Team members will take accurate, complete notes of the activities observed during the drill.

D. The Drill Control Team will conduct a critique of the drill, with the participants, immediately following the termination of the drill.

E. The Drill Control Team members will debrief with the Lead Controller after returning to the Waterford 3 plant site.

APPENDIX F - REFERENCES

A. Waterford 3 SES Emergency Plan

B. Waterford 3 Emergency Medical Assistance Plan

C. NUREG-0654/FEMA-REP-1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

D. 2016 FEMA Radiological Emergency Preparedness Manual

E. West Jefferson Medical Center, Decontamination and Treatment of Radioactively Contaminated Patient(s)

F. Emergency Worker Monitoring and Decontamination Station Procedure