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Constellation Energy Group

Nine Mile Point
Nuclear Station

April 1, 2004

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

RE:	Nine Mile Point Unit 1	Nine Mile Point Unit 2
	Docket No. 50-220	Docket No. 50-410
	DPR-63	NPF-69

Submittal of Emergency Implementing Procedure Revisions

Gentlemen:

Enclosed please find a copy of the following procedure revision for Nine Mile Point Nuclear Station:

EPIP-EPP-06 Revision 06 Inplant Emergency Surveys

This procedure revision is being submitted as required by Section V to Appendix E of 10 CFR Part 50. Should you have any questions, please feel free to contact Mr. James D. Jones, Director of Emergency Preparedness at (315) 349-4486.

Very truly yours,

Gary L. Detter
Manager Security & Emergency Preparedness

GLD/cr

Enclosure

pc: Mr. H.J. Miller, Regional Administrator, Region I (1 copy)
Mr. G.K. Hunegs, Senior Resident Inspector (1 copy)
Mr. P.S. Tam, Senior Project Manager, NRR (2 copies)

A045

NINE MILE POINT NUCLEAR STATION

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EPIP-EPP-06

REVISION 06

INPLANT EMERGENCY SURVEYS

TECHNICAL SPECIFICATION REQUIRED

Approved by: for G. L. Detter, General Manager Support Services — Date: 2/26/2004

Effective Date: 03/05/2004

PERIODIC REVIEW DUE DATE FEBRUARY, 2005

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1.0 PURPOSE

To define the responsibilities and actions of personnel directing and performing radiological surveys and samples within the station during an emergency.

2.0 PRIMARY RESPONSIBILITIES

2.1 The **Radiation Protection Team Coordinator (RPTC):**

2.1.1 Assembles and provides technical and administrative direction to Inplant Survey Teams based on direction from the RAM or designee.

2.1.2 Ensures continuous accountability for personnel actively assigned RP responsibilities on site.

2.2 **Inplant Survey Teams** perform radiological surveys and samples within the station during an emergency.

3.0 PROCEDURE

3.1 Assembly and dispatch of inplant survey teams

3.1.1 RPTC Actions

a. Receive a briefing and instructions from the RAM

b. Assemble teams that shall consist of a minimum of one qualified individual.

1. Assign each team a unique identifying number (example: Inplant 1)

2. If a team is assigned to the Unit 1 teletector, then that team shall be assigned a number

c. Provide a job brief to each team utilizing Attachment 2.

d. Direct teams to gather supplies and equipment and report to RPTC on radio channel 3 (for Unit 1 incidents) or radio channel 4 (for Unit 2 incidents) when ready for dispatch.

e. Inform the OSC Coordinator, and the TSC radio operator or the RAM when teams are dispatched.

3.1.2 Inplant Survey Team Actions

a. Obtain briefing and completed Attachment 2 from the RPTC

b. Obtain the following equipment and supplies

1. Working copies of EPIP-EPP-06 and S-RPIP-3.0

2. Copies of required data sheets

3. Appropriate dosimetry, protective equipment and clothing, radiation monitoring and communications equipment from the Unit 1 storeroom.

c. Verify the operability of all equipment

d. When ready for dispatch, contact the TSC radio operator on radio channel 3 (for Unit 1 incidents) or radio channel 4 (for Unit 2 incidents), gaitronics, or telephone.

3.2 Performance of inplant surveys

3.2.1 TSC Radio Operator actions

a. When contacted by the teams, verify their readiness to perform surveys

b. Review communications methods in Step 3.1.2.d

c. Record data from teams on Attachment 1

d. Provide periodic updates to teams that include:

- Status of radiological release
- Emergency classification and subsequent changes
- Onsite protective actions

e. Report data to RAM and Damage Control Team Coordinator as appropriate

f. Instruct teams to return all data sheets to the TSC or EOF on completion of mission

3.2.2 Inplant Survey Team Actions

a. Perform surveys and samples in accordance with S-RPIP-3.0, except where indicated below

1. Conduct continuous count rate or dose measurement contact and 1 meter open and closed window readings (for general area radiation data) upon obtaining radiation detection instrumentation.

2. Airborne radioactivity surveys when airborne activity is suspected or when directed to do so by the RPTC.

a. Minimum air sample volume should be at least 15 cubic ft. unless otherwise directed

1. Count Iodine Cartridge for 1 minute using a frisker set on slow response.

2. Perform count in a low background area (<300 cpm).

3. Use the highest net count rate observed during the 1 minute count.

b. Silver Zeolite (AgZ) cartridges shall be used for all samples unless otherwise directed

c. Perform field analysis of air sample media or

1. Wrap the samples in polyethylene or place in plastic bag and clearly identify sample date, time, location, etc.

2. If sample media contact readings are < 1000 mrad/hr O.W., return to Chemistry Lab or appropriate counting room facility

3. If sample media contact readings are > 1000 mrad/hr O.W., deliver samples to the high level laboratory hood

b. Immediately report to the TSC Radio Operator:

1. Any radiological conditions significantly different than expected, or

2. Any significant differences between open and closed window readings

c. Record all data on Attachment 1

d. Retain all forms and paperwork

4.0 DEFINITIONS

None

5.0 REFERENCES AND COMMITMENTS

5.1 Technical Specifications

None

5.2 Licensee Documentation

5.2.1 Nine Mile Point Nuclear Station Site Emergency Plan

5.2.2 Nine Mile Point Unit 2 USAR, Section 12.5 Radiation Protection Program

5.3 Standards, Regulations and Codes

5.3.1 NUREG-0654 FEMA-REP-1: Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

5.4 Policies, Programs and Procedures

5.4.1 EPMP-EPP-02, Emergency Equipment Inventories and Checklists

5.4.2 EPIP-EPP-15, Emergency Health Physics Procedure

5.4.3 S-RPIP-3.0, Radiological Surveys

6.0 RECORD REVIEW AND DISPOSITION

The following records generated by this procedure as a result of an actual emergency declared at the Nine Mile Point Nuclear Station shall be maintained by Records Management for the Permanent Plant File in accordance with NIP-RMG-01, Records Management.

- Attachment 1, "Radiation Survey Data Sheet"
- Attachment 2, "Survey Team Briefing Form"
- Logs
- Radiation Survey Log Sheets

6.0 (Cont)

The following records generated by this procedure during Emergency drills or exercises are not required for retention in the Permanent Plant File:

- Attachment 1, "Radiation Survey Data Sheet"
- Attachment 2, "Survey Team Briefing Form"
- Logs
- Radiation Survey Logs

ATTACHMENT 1: RADIATION SURVEY DATA SHEET

☐ Downwind Survey ☐A ☐B ☐C
☐ Re-entry Survey _____
☐ Inplant _____

Survey Meter Model # _____ SR# _____
Count Rate Meter Model # _____ SR# _____
Air Sampler Model # _____ SR# _____ High Range Survey Meter Model # _____ SR# _____

Directions for Survey Teams: report readings in shaded blocks from left to right		General Area Radiation Data					Air Sample Data								Survey Team Exposure Data		
Survey Date/Time	Survey Location	O.W. Reading (mrad/hr or cpm)		C.W. Reading (mrem/hr)		Beta Corr. Factor	Sample ID#	Start Time	Stop Time	Duration (min)	Flow Rate (Cfm)	Bkgd (Cpm)	Sample Count Rate (cpm)		Team Members Initials	Exposure Received (mrem)	Cumulative Exposure (mrem)
		Contact	1m	Contact	1m								Particulate Pre-filter	Silver Zeolite Cartridge			

* Cartridge readings > 8500 CPM should be returned to Environmental Lab/EOF on a priority basis (Downwind Teams Only)

Moving/Mobile – Survey Data		
Time	Location	Radiation Levels (mrad/hr O.W. or cpm)

ATTACHMENT 2: SURVEY TEAM WORKSHEET

Date_____ Time of Briefing_____

Briefing conducted by (Print/Initial) _____

Team Members	Team Members	Team Members
☐ Downwind ☐ Inplant ☐ Re-entry _____ _____ _____	☐ Downwind ☐ Inplant ☐ Re-entry _____ _____ _____	☐ Downwind ☐ Inplant ☐ Re-entry _____ _____ _____

Mission

☐ Inplant: _____

☐ Downwind: ☐ Mobile Survey and _____

☐ Environmental: _____

☐ Re-entry: _____

Briefing Details (Check when complete)

- ☐ RWP details (inplant teams only)_____
- ☐ Anticipated radiation/contamination levels_____
- ☐ Required dosimetry and protective clothing_____
- Dose guidance and limits
  - ☐ Normal station (occupational) limits in effect
  - ☐ Emergency dose limits in effect (as directed by TSC RAM)_____
- ☐ Pre-selected and alternate routes_____
- ☐ Where and when to report results_____
- ☐ Wind speed/direction (Downwind/Re-entry only)
  (from Control Room Chemistry Tech or EOF Met advisor)_____
- ☐ Status of radiological releases (from RAM or ESSTC)_____
- ☐ Emergency classification_____
- ☐ Implemented protective actions (onsite and/or offsite)_____
- ☐ Communications methods (radio channels, phone numbers)_____
- ☐ Caution: If general area dose rates exceed 8000 mrad/hr O.W., retreat to an area of less exposure and contact ESSTC (for downwind teams) or RPTC (for Inplant teams)
- ☐ Caution: If unshielded, uncorrected contact dose rates on any sample or object exceed 2000 mrad/hr O.W., do NOT handle sample directly.