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SUBJECT: Forwards Rev 22 to emergency plan. Changes do not decrease effectiveness of plan & achanges continue to satisfy requirements of 10CFR50, App E.

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**SUSQUEHANNA STEAM ELECTRIC STATION
EMERGENCY PLAN REVISION NO. 22
PLA-4344 FILES R36, A17-13**

Docket Nos. 50-387
and 50-388

Enclosed is Revision No. 22 to the Susquehanna Steam Electric Station Emergency Plan. In accordance with the requirements of 10CFR50.54q, the changes have been made without commission approval as they do not decrease the effectiveness of the plan and the plan as changed continues to satisfy the applicable requirements of Appendix E to 10 CFR 50.

The changes to the plan are summarized below:

Section 1.0, Definitions

The words "The Committed Dose Equivalent" have been deleted from definition 1.4.

The words "off-site" have been deleted from definition 1.41.

Section 2.0, Acronyms

The following acronyms have been added to the list of acronyms:

- ARI - Alternate Rod Insertion
- CR - Control Room
- EPA - Environmental Protection Agency
- HHS - Health and Human Services
- NEP - Nuclear Emergency Planning
- USDA - United State Department of Agriculture
- SCC - Security Control Center
- NSSS - Nuclear Steam Supply System

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Section 3.0, References

The following reference was added to the list of references:

EPA 400-R-91-001-Manual of Protective Action Guides and Protective Actions for Nuclear Incidents.

Section 4.0, Scope and Contents

The description of the plant given in Section 4.0 has been modified by deleting the MWe rating of the units.

Section 5.0, Emergency Conditions

Table 5.1 has been changed in several places. The changes made are summarized below:

- On Page 1, Item 3, the equation given in the Emergency Action Levels column was incorrectly typed and has been changed.
- On Page 2, Item 4, the words "thermal power" in Item 4.A. in the Emergency Action Levels column were capitalized.
- On Page 20, Item 7 in the Emergency Action Levels column, wording was changed to add clarity.
- On Page 22, Item 10, the reference to chlorine levels was deleted from the Emergency Action Levels column because chlorine is no longer kept on the SSES site.
- On Page 23, Item 12, in the Emergency Action Levels column, Action A was changed to "Loss of Offsite Power." This change simplifies the wording.
- On Page 29, Item 2, the reference to tendons was deleted from the Emergency Action Levels column as tendons are not used in the SSES containment.
- On Page 31, Item 6, the reference to tendons was deleted from the Emergency Action Levels column as tendons are not used in the SSES containment.

Table 5.2 has been changed to correct a typographical error and to include reference to automatic data transmission capability and use.

Section 6.0. Organizational Control of Emergencies

On Page 6-1, Item i), the reference to Section 6.0 as placed in the plan where key positions are identified has been changed to Sections 6.2 and 6.3.

On Page 6-2, a reference to the Superintendent of the Plant has been replaced with Vice President-Nuclear Operations as the title Superintendent of Plant no longer is used at SSES.

Subsection 6.25. Radiation Protection Coordinator

On Page 6-6, Item c), the words "off-site" were removed as a modifier to protective action recommendations.

Subsection 6.2.10. Damage Control Team Coordinator

This position is now filled by Maintenance Functional Team Managers.

Subsection 6.3.1.3. Recovery Manager

This position is now filled by the Vice President-Nuclear Engineering with the typical alternate being the Manager-Independent Safety Evaluation Services.

Item i) has been revised to reflect the current procedure of notifying the PEMA Emergency Operations Center regarding Protective Action Recommendations.

Item j) was added to reflect the current policies regarding the provision of representatives to county, state, and federal organizations.

Subsection 6.3.1.5. Site Support Manager

This position is now filled by the Manager-Nuclear Training with a typical alternate being a Senior Project Engineer-Nuclear Training.

Subsection 6.3.1.6. Administrative Support Manager

This position is now filled by the Safety and Health Consultant-Nuclear with a typical alternate being the Planning and Scheduling Foreman.

Subsection 6.3.1.7. Radiation Support Manager

A typical alternate for this position has been changed to the Supervisor-Environmental Services-Nuclear.

Subsection 6.3.2.1, Public Information Manager

The typical alternate for this position has been changed to the Senior Public Information Specialist.

Item f), the responsibility to establish interfaces and coordinate news releases with the federal and state agencies in the MOC has been added to the list of responsibilities for this position.

Subsection 6.3.4, Local Off-Site Support Services

Helgeson Scientific Services had been deleted from the listing of off-site emergency support groups. The Berwick Ambulance Association and the Berwick Hospital Paramedic Unit has been added to the listing.

Subsection 6.4.3, Federal Agencies

This subsection was expanded to further describe NRC action that may occur in response to an emergency.

Table 6.1, Typical Station Personnel Emergency Response Activity Assignments

The first aid decontamination emergency function manning has been changed.

Table 6.2, Minimum On-Site and Off-Site Emergency Organization Capabilities

A typographical error was corrected on Page 3.

Figure 6.1, Susquehanna SES Organization

This figure has been revised to depict the current Susquehanna SES organization.

Figure 6.3, TSC Organization

This figure has been revised to depict the current TSC organization.

Subsection 7.1.1, Off-Site Dose Calculations

This section has been revised to reflect current policy with respect to recommending protective actions to PEMA.

Subsection 7.1.1.3, Dose Calculations for Airborne Releases

The term "man rem" was changed to be gender neutral.

Subsection 7.3.1.2, Radiological Controlled Area Evacuation

The word "construction" was deleted in the description of personnel subject to radiological hazards so as not to imply a limitation.

Subsection 7.3.2, Offsite Protective Actions

The term "Public Notification System" replaced the term "Alert Notification System" (ANS).

Table 7.2, Emergency Exposure Criteria

The data set provided for the health effects associated with whole body absorbed doses received within a few hours has been revised.

Subsection 8.1.2, Operations Support Center

The description has been changed to delete reference to the shift supervisor's office.

Subsection 8.1.3, Spatial Layout Design

The title of this subsection has been changed to correct a spelling error. Also in subsection 8.1.3.4.1.3, reference to local alarms was removed to reflect actual conditions. Additionally, subsection 8.1.3.9 was changed to replace the reference to SRMS with DCS.

Subsection 8.2.2.7, Records and Documents

The reference to SRMS has been replaced with a reference to DCS.

Subsection 8.2.3.5, Spatial Layout Description

The title of this subsection has been changed to correct a spelling error.

Subsection 8.5.4, Public Notification System

This subsection has been changed to reflect current PNS actuation procedures.

Subsection 9.1.2, Drills and Exercises

The reference to ANS has been replaced with PNS in this subsection.

Subsections 9.1.3, 9.2.1, 9.2.2, and 9.3

These subsections were changed to reflect the affects of the PP&L Nuclear Department's reorganization. The titles Manager-NRA and Manager-NQA are no longer used.

Table 9.1, Training of Susquehanna SES Emergency Response Personnel

This table has been changed to reflect current personnel titles and changes to first aid training.

Appendix A, Letters of Agreement

The Supervisor-Nuclear Emergency Planning has been given the responsibility for renewing the letters of agreement. The position of Manager-NRA has been eliminated. Also, Helgeson Scientific Services and Safety Light Corporation have been deleted from the list of agencies and support groups. Also, the reference to SRMS was replaced with a reference to DCS.

Appendix C, SSES Emergency Plan Position Specific Procedures

The position of Dose Calculation Clerk has been deleted from the listing as this position has been eliminated from the emergency response organization.

Appendix E, Corporate Policy Statement

The corporate policy statement has been revised to replace with reference to the Manager-Nuclear Regulatory Affairs with the Vice President-Nuclear Engineering.

Should you have any questions regarding this submittal please call Mr. A. M. Price at (717) 542-3233.

Very truly yours,


R. G. Byram

Enclosure

copy: NRC Region I
Ms. M. Banerjee, NRC Sr. Resident Inspector - SSES
Mr. C. Poslusny, NRC Project Manager - Rockville
Mr. T. T. Martin, Administrator, Region I

Superseded pages Per Rev. 22
Emergency Plan

50-387/388

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