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SUBJECT: Forwards Rev 10 to emergency plan. Summary of significant changes provided. Encl 2/3/87

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SUSQUEHANNA STEAM ELECTRIC STATION
EMERGENCY PLAN, REVISION 10
PLA-2777 FILE R36, A17-13

Dear Dr. Murley:

Enclosed is Revision 10 to the Susquehanna Steam Electric Station Emergency Plan. This revision constitutes a complete reissue of the plan. In accordance with the requirements of 10CFR50.54(q), 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 10CFR50.

The majority of the changes to the plan were editorial in nature and were made in the interest of simplifying the document through the elimination of duplication of information and the consolidation of information. A summary of the significant changes to the plan is provided below:

Section 1.0: Definitions have been added for CEMA, DER/BRP, FEMA, LCEMA, NRC, AND PEMA. The definition of "Site Emergency Plan Boundary" was deleted as it is covered under the definition of Item 1.20 Emergency Plan Boundary.

Section 2.0: A section has been added to the plan to define commonly used acronyms.

Section 3.0: A section has been added to list references used in conjunction with the plan.

Section 4.0: This section is a combination of previous Sections 2.0 Scope and Applicability and 3.0 Summary of Emergency Plan. References to onsite and offsite plans and procedures formerly found in the former Scope and Applicability Section are now found in the new Section 3.0, References. Offsite agencies listed under the former Summary of Emergency Plan are now provided in the new Section 2.0. The details formerly provided in Section 3.0 to describe the mechanism through which the plan provides for response to an emergency at SSES have been deleted and replaced

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with summaries as this information is provided elsewhere in the plan and related documents.

Section 5.0: This section is the revised version of previous Section 4.0. The emergency classification system, initiating conditions and bases for each initiating condition are defined in Table 5.1 and as such, are no longer provided in the text. Additionally, notification details were deleted from the text, as they are provided in Tables 5.2 and 7.1.

Table 5.1 (formerly Table 4.1) has been revised to reflect changes identified in SSES Classification Procedures. Significant changes are summarized below:

Under Unusual Event:

Items 1.B. and 1.C. have been deleted. Item 1.D has been revised to include action levels previously found in items 1.B. and 1.C.

An initiating condition (new item #3) has been added for unanticipated or unplanned concentrations of airborne activity existing in normally accessible areas, which are not due to planned maintenance activities.

Item 4 (formerly Item 3) has been revised. The words "rapid shutdown" have been replaced with "manual scram" in Item A. Item B has been deleted as it is covered within the context of Item A.

The initiating condition for failure of a safety relief valve to close following reduction in reactor pressure (formerly Item #12) was deleted. This item is covered within the context of Item #4.

Deleted former Item #15 to eliminate the requirement of having to declare an emergency based on activation of an emergency facility.

New Item #15 was added for unanticipated or unplanned concentrations of airborne activity existing in normally accessible areas on the refueling floor.

Under Alert:

Items 1.B. and 1.C. have been deleted. Item 1.D. has been revised to include action levels previously found in Items 1.B. and 1.C.

Item 4.B. has been deleted as a result of redefining MPC limits. This Item is now covered under Item #3 of Unusual Event.

Former Item 7.B. has been deleted as this item is covered under the context of new items A and B.

Item 10 was revised to add clarity. The formerly used term "most control room annunciators" was not definitive.

In Item #12, the action level was revised to reflect reliance on reports from the National Weather Service. Indications from Panel 0C653 were deleted.

Former Item 15.B.2 was deleted since high main steam line tunnel temperature is not a valid indicator of MSIV malfunction as this condition can be an indicator of other conditions.

Item 18.B. has been deleted as a result of redefining the MPC limits. This item is now covered under Item #15 of Unusual Event.

Item 19 was deleted to eliminate the requirement of having to declare an emergency based on activation of an emergency facility.

Under Site Emergency:

Item 3.A.1.b has been deleted as indication from Panel 0C211 can not be used to confirm uncovering of irradiated fuel. Item 3.A.1.a was revised to include verification of significant leakage from the spent fuel pool as a result of deleting Item 3.A.1.b.

Item 5.A.2b was deleted since high main steam line tunnel temperature is not a valid indicator of a steam line break as this condition can be an indicator of other conditions.

For Items 7.B.2 and 7.B.3 were deleted. Valve position lights were not considered valid indicators. These items were replaced with low flow indication on Panel 1/2C601.

Item 8 was revised to add clarity. The formerly used term "most" was not definitive.

Item 14 was revised to reflect reliance on reports from the National Weather Service. Indications from Panel 0C653 were deleted.

Item 17 was deleted to eliminate the requirement to declare an emergency based on activation of an emergency facility.

Under General Emergency:

Former Item 7.B. has been deleted as this item is covered under the context of new items A and B.

Item 9 was deleted to eliminate the requirement to declare an emergency based on activation of an emergency facility.

General Changes:

Unit 2 panel numbers were incorporated where appropriate.

The word "valid" was added to selected statements as appropriate.

Table 5.2 has received minor revisions. The significant changes are summarized below:

Licensee action Item 2 under Unusual Event was revised to add CEMA to the notification chain.

Licensee action Item 4 under Alert has been revised to reflect the upgraded practice of updating plant status every 30 minutes.

Licensee action Item 2 under Site Emergency has been revised to include activation of the near-site monitoring teams.

Off-Site Agency Action Item 2 under General Emergency has been revised to reflect updated terminology. Additionally, former Item 3 was deleted.

Section 6.0: This section (Formerly Section 5.0) was reorganized to clarify the discussion of organizational control of the emergency. The discussion is divided into four phases: the three formerly identified phases plus a discussion of Restoration, which was formerly Section 9.0. Personnel expected to fill emergency positions were revised to reflect current practice.

Section 7.0: This section (formerly Section 6.0) was revised to consolidate information and incorporate the discussion of the currently utilized calculational methodologies for airborne releases. This includes the deletion of the discussion of RADDOSE, which is no longer utilized, and the addition of the discussion of STREAM. Revisions to this section include discussions reflecting responses to the NRC appraisal of the SSES emergency facilities, to include obtaining meteorological data. The Alert Notification System discussion was moved to Section 8.5.4.

Section 8.0: This section (formerly Section 7.0) was revised to describe the diverse OSC concept. Locations for the storage of "equipment

for initial emergency response" has been designated to be the control structure and HP access control points. Requirements for records storage at the Backup EOF was deleted. A discussion of the Remote Data Analysis System (RDAS) was added. The discussions of SPDS and PCS were revised to eliminate redundancy and to consolidate information.

Section 9.0: This section (formerly Section 8.0) was revised to add brevity through the use of tabularization and summary information.

Appendices A,C,D, and F were consolidated.

Should you have any question with respect to the changes to the SSES Emergency Plan, please contact us.

Very truly yours,

H. W. Keiser
Vice President-Nuclear Operations

cc: Document Control Desk w/original
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L. R. Plisco