

September 13, 1990

Docket Nos. 50-387/388

Mr. Harold W. Keiser
Senior Vice President-Nuclear
Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

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Dear Mr. Keiser:

SUBJECT: EMERGENCY ONE-TIME EXTENSION OF LIMITING CONDITION FOR OPERATIONS (LCO), SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2 (TAC NOS. 76321 and 76322)

The Commission has issued the enclosed Amendment No. 99 to Facility Operating License No. NPF-14 and Amendment No. 67 to Facility Operating License No. NPF-22 for the Susquehanna Steam Electric Station, Units 1 and 2. These amendments are in response to your letter dated September 4, 1990.

These amendments have been prepared and issued on an emergency basis to provide a relief from the provisions of Technical Specification Section 3.8.1.1 (A.C. Sources-Operation) action b, permitting a one-time extension of the limiting condition for operations (LCO) from 72 hours to 15 days.

These amendments were authorized by telephone on September 6, 1990, and confirmed by letter dated September 6, 1990.

A copy of our Safety Evaluation is also enclosed. Notice of Issuance of Amendments to Facility Operating Licenses and Final Determination of No Significant Hazards Consideration and Opportunity for Hearing will be included in the Commission's Biweekly Federal Register Notice.

Sincerely,

/S/ Walter Butler for

Richard H. Wessman, Acting Assistant Director
for Region I Reactors
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 99 to License No. NPF-14
2. Amendment No. 67 to License No. NPF-22
3. Safety Evaluation

cc w/enclosures:
See next page

<i>MB</i>	<i>MB</i>
PDI-2/D	PDI-2/PM
MO'Brien	MThadani
9/11/90	9/10/90

<i>WB</i>	<i>OGC</i>	REGION I
PDI-2/D	WButler	
9/10/90	9/11/90	9/ /90

ADRI:ACTING
RWessman
9/11/90

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PDR ADDCK 05000387
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Region I
Pre concurred
via telephone
9/6/90

for

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c/ [initials]

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Mr. Harold W. Keiser
Pennsylvania Power & Light Company

Susquehanna Steam Electric Station
Units 1 & 2

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

PENNSYLVANIA POWER & LIGHT COMPANY
ALLEGHENY ELECTRIC COOPERATIVE, INC.

DOCKET NO. 50-387

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 99
License No. NPF-14

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
 - A. The application for the amendment filed by the Pennsylvania Power & Light Company, dated September 4, 1990, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of the Facility Operating License No. NPF-14 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 99 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. PP&L shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment became effective on September 6, 1990.

FOR THE NUCLEAR REGULATORY COMMISSION

/S/ Walter Butler for

Richard H. Wessman, Acting Assistant Director
for Region I Reactors
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 13, 1990

[Signature]
PDI-2/VLA
MO'Brien
9/10/90

[Signature]
PDI-2/PM
MThadani
9/10/90

[Signature]
OGG
9/12/90

[Signature]
PDI-2/D
WButler
9/10/90

[Signature]
REGION I
9/ /90

*See letter
concerning*

[Signature]
ADRI:ACTING
RWessman
9/13/90

[Signature]

ATTACHMENT TO LICENSE AMENDMENT NO. 99

FACILITY OPERATING LICENSE NO. NPF-14

DOCKET NO. 50-387

Replace the following pages of the Appendix A Technical Specifications with enclosed pages. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The overleaf page is provided to maintain document completeness.*

REMOVE

3/4 8-1
3/4 8-2

INSERT

3/4 8-1
3/4 8-2*

3/4.8 ELECTRICAL POWER SYSTEMS

3/4.8.1 A.C. SOURCES

A.C. SOURCES - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.1.1 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. Two physically independent circuits between the offsite transmission network and the onsite Class 1E distribution system, and
- b. Four of the five separate and independent diesel generators*, each with:
 1. Separate engine mounted day fuel tanks containing a minimum of 325 gallons of fuel,
 2. A separate fuel storage system containing a minimum of 47,570 gallons of fuel for diesel generator A, B, C and D; and 60,480 gallons for diesel generator E, and
 3. A separate fuel transfer pump.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With one offsite circuit of the above 3.8.1.1.a required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter and Surveillance Requirement 4.8.1.1.2.a.4 within 24 hours sequentially on four diesel generators; restore at least two offsite circuits to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With one diesel generator of 3.8.1.1.b inoperable, demonstrate the OPERABILITY of the A.C. offsite sources by performing Surveillance Requirement 4.8.1.1.1.a within 1 hour and at least once per 8 hours thereafter; and Surveillance Requirement 4.8.1.1.2.a.4 within 24 hours++++; restore the diesel generator to OPERABLE status within 72 hours+++ or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

* Shared with Unit 2. An OPERABLE diesel generator may be removed from service for a period of eight hours when aligning diesel generator E to the Class 1E distribution system. If alignment of diesel generator E is not completed within eight hours, the appropriate ACTION will be followed. The specified time limits in the ACTION will be measured from the time alignment of diesel generator E began.

+++ On a one-time basis, this time may be extended to 15 days. This applies to the entry into this action which occurred on 8/30/90, and will expire when the LCO is restored, but no later than 1200 hours on 9/14/90.

++++ For the duration of the one-time extension specified in footnote +++, this action shall read, "Perform Surveillance Requirement 4.8.1.1.2.a.4 sequentially on each diesel generator within 24 hours and every 72 hours thereafter."

ELECTRICAL POWER SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

ACTION (Continued)

- c. With one offsite circuit and one diesel generator of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter; and Surveillance Requirement 4.8.1.1.2.a.4 within 8 hours, restore one of the inoperable sources to OPERABLE status within 12 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours. Restore the other A.C. power source (offsite circuit or diesel generator) to OPERABLE status in accordance with the provisions of Section 3.8.1 Action Statement a or b, as appropriate, with the time requirement of that Action Statement based on the time of initial loss of the remaining inoperable A.C. power source.
- d. With one diesel generator of the above required A.C. electrical power sources inoperable, in addition to ACTION b or c, above, verify within 2 hours that all required systems, subsystems, trains, components and devices that depend on the remaining diesel generators as a source of emergency power are also OPERABLE; otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- e. With two of the above required offsite circuits inoperable, demonstrate the OPERABILITY of four diesel generators by performing Surveillance Requirement 4.8.1.1.2.a.4, for one diesel generator at a time, within eight hours unless the diesel generators are already operating; restore at least one of the inoperable offsite circuits to OPERABLE status within 24 hours or be in at least HOT SHUTDOWN within the next 12 hours. With only one offsite circuit restored to OPERABLE status, restore at least two offsite circuits to OPERABLE status within 72 hours from time of initial loss or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- f. With two or more of the above required diesel generators inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter and 4.8.1.1.2.a.4, for one diesel generator at a time, within 2 hours, and at least once per 8 hours thereafter; restore at least three of the diesel generators to OPERABLE status within 2 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours. Restore four diesel generators to OPERABLE status within 72 hours from time of initial loss or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

PENNSYLVANIA POWER & LIGHT COMPANY
ALLEGHENY ELECTRIC COOPERATIVE, INC.

DOCKET NO. 50-388

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 67
License No. NPF-22

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
 - A. The application for the amendment filed by the Pennsylvania Power & Light Company, dated September 4, 1990 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the regulations of the Commission;
 - C. There is reasonable assurance: (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations set forth in 10 CFR Chapter I;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of the Facility Operating License No. NPF-22 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 67 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. PP&L shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment became effective on September 6, 1990.

FOR THE NUCLEAR REGULATORY COMMISSION

/S/ Walter Butler for

Richard H. Wessman, Acting Assistant Director
for Region I Reactors
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 13, 1990

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PDI-2/AA
MP Brien
9/10/90

[Signature]
PDI-2/PM
Mihadani
9/10/90

OGC
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9/12/90

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PDI-2/D
WButler
9/10/90

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REGION I
9/ /90

[Signature]
ADRI:ACTING
RWessman
9/13/90

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ATTACHMENT TO LICENSE AMENDMENT NO. 67

FACILITY OPERATING LICENSE NO. NPF-22

DOCKET NO. 50-388

Replace the following pages of the Appendix A Technical Specifications with enclosed pages. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The overleaf page is provided to maintain document completeness.*

REMOVE

3/4 8-1
3/4 8-2

INSERT

3/4 8-1
3/4 8-2*

3/4.8 ELECTRICAL POWER SYSTEMS

3/4.8.1 A.C. SOURCES

A.C. SOURCES - OPERATING

LIMITING CONDITION FOR OPERATION

3.8.1.1 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. Two physically independent circuits between the offsite transmission network and the onsite Class 1E distribution system, and
- b. Four of the five separate and independent diesel generators*, each with:
 1. Separate engine mounted day fuel tanks containing a minimum of 325 gallons of fuel,
 2. A separate fuel storage system containing a minimum of 47,570 gallons of fuel for diesel generator A, B, C and D; and 60,480 gallons for diesel generator E, and
 3. A separate fuel transfer pump.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3.

ACTION:

- a. With one offsite circuit of the above 3.8.1.1.a required A.C. electrical power source inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter and Surveillance Requirement 4.8.1.1.2.a.4 within 24 hours sequentially on four diesel generators; restore at least two offsite circuits to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- b. With one diesel generator of 3.8.1.1.b inoperable, demonstrate the OPERABILITY of the A.C. offsite sources by performing Surveillance Requirement 4.8.1.1.1.a within 1 hour and at least once per 8 hours thereafter; and Surveillance Requirement 4.8.1.1.2.a.4 within 24 hours++++; restore the diesel generator to OPERABLE status within 72 hours+++ or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

* Shared with Unit 2. An OPERABLE diesel generator may be removed from service for a period of eight hours when aligning diesel generator E to the Class 1E distribution system. If alignment of diesel generator E is not completed within eight hours, the appropriate ACTION will be followed. The specified time limits in the ACTION will be measured from the time alignment of diesel generator E began.

+++ On a one-time basis, this time may be extended to 15 days. This applies to the entry into this action which occurred on 8/30/90, and will expire when the LCO is restored, but no later than 1200 hours on 9/14/90.

++++ For the duration of the one-time extension specified in footnote +++, this action shall read, "Perform Surveillance Requirement 4.8.1.1.2.a.4 sequentially on each diesel generator within 24 hours and every 72 hours thereafter."

LIMITING CONDITION FOR OPERATION (Continued)

ACTION (Continued)

- c. With one offsite circuit and one diesel generator of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter; and Surveillance Requirement 4.8.1.1.2.a.4 within 8 hours, restore one of the inoperable sources to OPERABLE status within 12 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours. Restore the other A.C. power source (offsite circuit or diesel generator) to OPERABLE status in accordance with the provisions of Section 3.8.1 Action Statement a or b, as appropriate, with the time requirement of that Action Statement based on the time of initial loss of the remaining inoperable A.C. power source.
- d. With one diesel generator of the above required A.C. electrical power sources inoperable, in addition to ACTION b or c, above, verify within 2 hours that all required systems, subsystems, trains, components and devices that depend on the remaining diesel generators as a source of emergency power are also OPERABLE; otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- e. With two of the above required offsite circuits inoperable, demonstrate the OPERABILITY of four diesel generators by performing Surveillance Requirement 4.8.1.1.2.a.4, for one diesel generator at a time, within eight hours, unless the diesel generators are already operating; restore at least one of the inoperable offsite circuits to OPERABLE status within 24 hours or be in at least HOT SHUTDOWN within the next 12 hours. With only one offsite circuit restored to OPERABLE status, restore at least two offsite circuits to OPERABLE status within 72 hours from time of initial loss or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
- f. With two or more of the above required diesel generators inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours thereafter and 4.8.1.1.2.a.4, for one diesel generator at a time, within 2 hours, and at least once per 8 hours thereafter; restore at least three of the diesel generators to OPERABLE status within 2 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours. Restore four diesel generators to OPERABLE status within 72 hours from time of initial loss or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 99 TO FACILITY OPERATING LICENSE NO. NPF-14 AND
AMENDMENT NO. 67 TO FACILITY OPERATING LICENSE NO. NPF-22
PENNSYLVANIA POWER & LIGHT COMPANY
ALLEGHENY ELECTRIC COOPERATIVE, INC.
DOCKET NOS. 50-387 AND 50-388
SUSQUEHANNA STEAM ELECTRIC STATION, UNITS 1 AND 2

1.0 INTRODUCTION

By letter dated September 4, 1990, Pennsylvania Power & Light Company requested amendments to Facility Operating License Nos. NPF-14 and NPF-22 for the Susquehanna Steam Electric Station, Units 1 and 2. The proposed amendments would provide a one-time extension of the limiting condition for operation (LCO) in Technical Specifications Section 3.8.1.1, action b from 72 hours to 15 days.

During inspection of emergency diesel generator OG501D, the licensee observed heavy scoring of the cylinder liners on engine cylinders and presence of aluminum oxide in the engine. The aluminum oxide appeared to have been introduced to the engine as residual material from sand blasting performed on the engine intercoolers during maintenance. A review of engine lube oil samples revealed the presence of increased levels of chrome. The source of the chrome was found to be the scored cylinder liners. The spare diesel generator, OG501E, was substituted for OG501D. Similar problem of the presence of increased level of chrome in lube oil was observed in the emergency diesel generator OG501B. As a result, OG501B was also declared inoperable and Technical Specification Action 3.8.1.1.b was entered on both units. An immediate inspection was performed and evidence of aluminum oxide was found in the air intake manifold, confirming the existence of the same condition in OG501B as was found in OG501D. The licensee states that repairs and return OG501B diesel generator to operable status, and additional testing to assure the reliability of the operable diesel generators will require several days. Therefore, an extension of LCO from 72 hours to 15 days is needed to obviate a dual unit shutdown.

These amendments were authorized by telephone on September 6, 1990, and confirmed by letter dated September 6, 1990.

2.0 EVALUATION

In support of its request, the licensee has proposed to adopt the following compensatory measures:

1. The spray pond bypass valve on each division will be maintained open to assure availability of diesel generator Cooling.

2. Per Technical Specification 3.8.1.1.1, Action B.2., the licensee is required to perform Surveillance Requirement 4.8.1.1.2.a.4 within 24 hours. It is proposed that this surveillance be performed every 72 hours thereafter for the duration of the extended action time. This will serve to provide additional assurance of the reliability of the three operable diesel generators.
3. To further reduce the risk of challenges to the offsite power supply, discretionary power changes on both Units 1 and 2 will be avoided.
4. No discretionary maintenance or modification work will be performed on the following systems: ECCS (including the support functions provided by ESW and RHRSW), RCIC, CRD system, dc power systems, and ac power distribution systems.

In addition to the compensatory measures taken by the licensee, the staff has justified granting one time-extension of 15 days for the following additional reasons:

- a. Given loss of diesel generator OG501B, both units can be brought to safe cold shutdown assuming a loss of offsite power coincident with a single failure. The limiting single failure is the loss of one of the remaining diesel generators.
- b. Probability of occurrence of loss of coolant accident (LOCA) within a period of 15 days is low.
- c. Susquehanna claims to have a capability to cope with station blackout for a duration of 4 hours without the need of diesel generators.

Based on the above measures, the staff believes that Susquehanna Steam Electric Station, Units 1 and 2, can be operated safely without undue risk to the health and safety of the public and there is reasonable assurance that adequate ac power sources will be available to mitigate any credible event that can occur during the period of 15 days and, therefore, this one-time extension should be granted.

3.0 EMERGENCY BASIS

The licensee has provided the following basis for existence of an emergency.

Pursuant to 10 CFR 50.91 guidance is provided on what information the NRC requires in support of an application for an emergency change.

First, it requires the applicant to justify that an emergency exists, i.e., "... failure to act in a timely way would result in derating or shutdown of a nuclear power plant". Both Susquehanna units are currently operating under a waiver of compliance that extends the expiration of LCO 3.8.1.1, Action b, to September 6, 1990 at 1200 hours. Restoration of the LCO cannot be accomplished within this time. Therefore, without the proposed change, both Susquehanna units will be required to be shut down.

Secondly, 10 CFR 50.91 requires a licensee to "... explain why this emergency situation occurred and why it could not avoid this situation...". PP& L's current belief, as stated earlier, is that the situation occurred due to unanticipated human error during a recent maintenance activity. As soon as the situation was understood, a waiver of compliance was submitted and the appropriate internal processes were begun in support of the application.

The staff agrees with the licensee's basis for concluding that an emergency situation exists and finds that the proposed Technical Specification should be processed on an emergency basis.

4.0 FINAL NO SIGNIFICANT HAZARDS DETERMINATION

The Commission has provided standards for determining whether a significant hazards consideration exists (10 CFR 50.92(c)). A proposed amendment to an operating license for a facility involves no significant hazards consideration if operation of the facility in accordance with the proposed amendment would not: (1) involve a significant increase in the probability or consequences of an accident previously evaluated; (2) create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) involve a significant reduction in a margin of safety.

The staff has reviewed the licensee's request and concurs with the following basis and conclusion provided by the licensee in its September 4, 1990, submittal.

1. This proposal does not involve a significant increase in the probability or consequences of an accident previously evaluated. The three remaining Diesel Generators will be operable. Therefore Susequehanna will be in a configuration that is bounded by prior deterministic analysis, assuming a single failure has occurred. Furthermore, as described above, the risk of total plant damage on an annual basis has increased, but it is not considered significant because:
 - a. it is lower than the total plant damage frequency in the original IPE, and
 - b. the percentage increase is lower than what was accepted by the NRC in a prior safety evaluation to extend the same action items in order to tie in the 'E' diesel generator.

- b. the percentage increase is lower than what was accepted by the NRC in a prior safety evaluation to extend the same action items in order to tie in the 'E' diesel generator.
2. This problem does not create the possibility of a new or different kind of accident from any accident previously evaluated. The evolution involved is one of restoration to acceptable standards. No change in the operation or function of the Diesel Generators is proposed.
3. This change does not involve a significant reduction in a margin of safety. In the unlikely event of a design basis LOCA/LOOP during the extended action time, it is possible to address the safe operation of both units with the three remaining operable Diesel Generators. In the event of a LOOP only, safe shutdown of both units can be achieved with two of the three operable diesel generators. Furthermore, compensatory actions have been proposed to assure the reliability of these diesels and other safety systems which mitigate the risk of an event should one occur. Based on the above, this does not represent a significant reduction in a margin of safety.

Based on the above considerations, the Commission has determined that the proposed changes involve no significant hazards consideration.

5.0 STATE CONSULTATION

The Commonwealth of Pennsylvania was consulted on this matter and had no comments on the determination.

6.0 ENVIRONMENTAL CONSIDERATION

These amendments involve changes to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that these amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has made a final no significant hazards finding with respect to these amendments. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of these amendments.

7.0 CONCLUSION

The Staff has concluded, based on the considerations discussed above, that: (1) the amendment does not (a) significantly increase the probability or consequences of an accident previously evaluated, (b) increase the possibility of a new or different kind of accident from any previously

evaluated or (c) significantly reduce a safety margin and, therefore, the amendment does not involve a significant; hazards consideration; (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security nor to the health and safety of the public.

Dated: September 13, 1990

Principal Contributors: Narender Trehan and Mohan Thadani