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PRC EPIP 1004 000	5	V	1	H	117213
PRC EPIP 1007 000	18	V	1	H	117232
PRC EPIP-TOC-ADMIN 000	91	A	1	H	117251
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A045

PSEG NUCLEAR LLC
EMERGENCY PLAN IMPLEMENTING PROCEDURES
October 4, 2001
CHANGE PAGES FOR
REVISION #91

PSE&G
CONTROL
COPY # EP1P059

The Table of Contents forms a general guide to the current revision of each section of the Administrative EPIPs. The changes that are made in this TOC Revision #91 are shown below. Please check that your revision packet is complete and remove the outdated material listed below:

ADD			REMOVE		
Page	Description	Rev.	Page	Description	Rev.
All	TOC	91	All	TOC	90
All	EPIP 1001	3 (del)	All	EPIP 1001	2
All	EPIP 1002	3 (del)	All	EPIP 1002	2
All	EPIP 1003	12 (del)	All	EPIP 1003	11
All	EPIP 1004	5 (del)	All	EPIP 1004	4
All	EPIP 1007	18 (del)	All	EPIP 1007	17
	NC.EP-AP.ZZ-1001 (Z)	0			
	NC.EP-AP.ZZ-1003 (Q)	0			

PSEG NUCLEAR LLC
EMERGENCY PLAN ADMINISTRATIVE PROCEDURES
TABLE OF CONTENTS
October 4, 2001

PSE&G
CONTROL
COPY # EP1P059

EMERGENCY PREPAREDNESS ADMINISTRATIVE PROCEDURES

PLAN, EPIP, ECG ADMINISTRATION:	<u>Revision Number</u>	<u>Number Pages</u>	<u>Effective Date</u>
NC.EP-AP.ZZ-1001(Z) Emergency Plan Document Processing	0	14	10/04/01
NC.EP-AP.ZZ-1003(Q) 10CFR50.54g Effectiveness Review Guide	0	10	10/04/01
EPIP 1001 Revision and Development of PLAN/EPIPs/ECG.....	3	D	10/04/01
EPIP 1002 Distribution of PLANS/EPIPs/ECG...	3	D	10/04/01
EPIP 1003 Review and Approval of PLAN/EPIPs/ECG.....	12	D	10/04/01
EPIP 1004 Format of PLAN/EPIPs/ECG.....	5	D	10/04/01
EPIP 1005 Emergency Preparedness Deficiency/Revision Tracking.....	4	3	05/01/98
FACILITIES AND EQUIPMENT:			
NC.EP-AP.ZZ-1006 Emergency Equipment Inventory (Radiation Protection)...	0	64	05/12/00
EPIP 1007 EOF/ENC Supply & Locker Inventory.....	18	D	10/04/01
EPIP 1008 Emergency Communications Drills.....	19	33	08/30/01
EPIP 1009 Emergency Response Callout Test Procedure.....	11	5	02/27/98
EPIP 1010 ERF Status Boards.....	6	52	10/25/96
TRAINING:			
EPIP 1011 Maintenance of Emergency Response Organization.....	15	Del	05/16/01
NC.EP-AP.ZZ-1011 Maintenance of Emergency Response Organization	00	14	05/16/01
EPIP 1012 Preparation, Conduct, and Evaluation of Emergency Preparedness Annual Exercises.....	6	27	12/18/98
NC.EP-AP.ZZ-1014 Emergency Preparedness Classroom Training Administration..	2	17	03/15/01
NC.EP-AP.ZZ-1015 PC Dose Assessment Software Control	0	6	06/12/00
EMERGENCY SUPPORT EQUIPMENT:			
EPIP 1016 Test Procedures for EOF Backup Generator, Vent System and HVAC Filter Replacement.....	7	46	06/12/00

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NC.EP-AP.ZZ-1001 (Z) - Rev. 00

CONTROL

COPY # EP1P059

EMERGENCY PLAN DOCUMENT PROCESSING PROCEDURE

SPONSOR ORGANIZATION: Emergency Preparedness

REVISION SUMMARY:

Biennial review performed: Yes X No

1. This procedure is a rewrite of "Emergency Plan Implementing Procedure (EPIP) 1001" Plan/EPIP/ECG Development and Revision, Rev. 2, a reformat into the NC.NA-AP.ZZ-0001(Q) Nuclear Procedure System structure, and an incorporation/roll-up of all pertinent elements from the following procedures:
 - EPIP 1002 Distribution of Plan/EPIP/ECG, Rev. 2
 - EPIP 1003 Review and Approval of Plan/Procedures/ECG, Rev. 11
 - EPIP 1004 Format of Plan/EPIP/ECG, Rev. 4
2. The title of this procedure was changed to more accurately reflect incorporation of the aforementioned procedures' functional elements.
3. This revision updates titles and references, corrects typos, and significantly streamlines the procedure.
4. Instituted use of a single sign off page, to be placed immediately behind, but within, the Table of Contents page(s) of the Emergency Plan (similar to the Event Classification Guides) that will serve as the sole approval sheet for all Sections of the Emergency Plan. This eliminates the need to obtain and maintain multiple sign off/approval sheets for each section of the Emergency Plan.
5. The Emergency Plan documents review and Approval matrix contained in EPIP 1003 has been deleted as it was redundant to the some matrix in emergency Plan section 17.
6. Due to the restructuring and extensive reformatting, change bars were not utilized.

IMPLEMENTATION REQUIREMENTS

Effective Date: 10/4/01

APPROVED: _____


EP Manager

9/4/01
Date

EMERGENCY PLAN DOCUMENT PROCESSING PROCEDURE**TABLE OF CONTENTS**

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1.0 **PURPOSE**

To establish process guidance, used within the Emergency Preparedness Group for, formatting the Emergency Plan, Salem and Hope Creek Event Classification Guides, preparing emergency planning documents for distribution, and for procedurally tracking Emergency Plan commitments.

2.0 **SCOPE**

2.1 This procedure applies to the following emergency preparedness activities:

- Format, layout, and design of all Emergency Plan Sections.
- Format, layout, and design of the Salem and Hope Creek Event Classification Guides (ECG) and ECG basis documents.
- Preparation and packaging of emergency planning documents for transfer to the Document Management Group in anticipation of distribution.
- Procedural qualification, initiation, tracking, and control of commitments that impact the emergency plan or the way in which the emergency plan is administered.

2.2 This procedure does NOT apply to the following emergency preparedness document categories or activities:

- Formatting, review, approval of Emergency Plan Emergency Procedures (EPEP). EPEPs and EPAPs are processed in accordance with the requirements of NC.NA-AP.ZZ-0001 (Q) and per the Emergency Plan.
- Deficiency/revision tracking. Deficiencies and revision requests associated with emergency planning documents are processed in accordance with the requirements of the Corrective Action Program via NC.WM-AP.ZZ-0000 (Q) and NC.WM-AP.ZZ-0002(Q).
- 10CFR50.54Q reviews or evaluations. 10CFR50.54Q reviews and evaluations are performed in accordance with NC.EP-AP.ZZ-1003 (Q), 10CFR50.54Q Effectiveness Review Guide and, Station Qualified Reviewer (SQR) reviews are performed in accordance with NC.DM-AP.ZZ-0001 (Q), Procedure Administration Processes.

3.0 **RESPONSIBILITIES**

3.1 **EP Management** is responsible for:

- Ensuring that the provisions of this procedure are followed by the EP staff.
- Ensuring that EP staff members assigned responsibility for implementing this procedure (or portions thereof), are qualified to do so.

3.2 **EP Staff Member** implementing this procedure is responsible for:

- Ensuring that appropriate procedures are followed for obtaining review and approval IAW section 17, table 17.1 of the Emergency Plan, based upon the category of the effected emergency planning document.
- Discussing any commitments potentially impacting the Emergency Plan with EP Management prior to initiating a closing document (CD) item.
- Ensuring that, whenever possible, a one week lead time is afforded the Document Management Group for coordinating the distribution of emergency planning documents.

4.0 **PROCESS DESCRIPTION**

This procedure provides direction and guidance for processing certain emergency planning documents. Included are specific formatting instructions for revising sections of the Emergency Plan, Salem, and Hope Creek Event classification Guides (ECG), instructions for the preparation of emergency planning documents for transfer to the Document Management Group, and proper usage of commitment tracking via established closing document (CD) methodology.

5.0 **PROCEDURE**

5.1 **For General Formatting, The Document Preparer Shall:**

5.1.1 **USE** an abbreviation or acronym in the Plan/EPEP/ECG **ONLY IF** the unabbreviated form is used initially in the text of the document **or** the abbreviation is a commonly accepted usage; e.g. NJ, DE; system designator, RCP, RCS.

5.1.2 **PREPARE** all pages in the vertical format wherever possible.

5.2 **The Emergency Plan Shall Be Organized and Formatted As Follows:**

5.2.1 **INCLUDE** the following sections in each plan volume.

- A. Table of Contents with NUREG-0654 Cross-Reference Index
- B. Section 1 - Introduction
- C. Section 2 - Assignment of Responsibility
- D. Section 3 - Organization
- E. Section 4 - Emergency Response Support and Resources
- F. Section 5 - Emergency Classification System
- G. Section 6 - Notification Methods Response Organization
- H. Section 7 - Emergency Communications
- I. Section 8 - Public Information
- J. Section 9 - Emergency Facilities and Equipment
- K. Section 10 – Accident Assessment
- L. Section 11 – Protective Response
- M. Section 12 – Radiological Exposure Control
- N. Section 13 – Medical Support
- O. Section 14 – Recovery Planning
- P. Section 15 – Exercises and Drills
- Q. Section 16 – Radiological Emergency Response Training
- R. Section 17 – Emergency Plan Administration
- S. Attachments (a separate volume)

5.2.2 **MAINTAIN** one shared signature page for the Emergency Plan Sections; (see Exhibit 1). The Sections and Attachments are individually revised and maintained. The list of effective pages records this information. This sheet is to be placed immediately behind, but within, the Table of Contents section.

- 5.2.3 **ORGANIZE** each Emergency Plan Section according to the following example.

SECTION 1

TITLE OF SECTION

- 1.0 Subsection
 1.1
 2.0 Subsection
 2.1

The section number (e.g. **SECTION 3**) is in all caps, bold and centered as part of the section head.

Subsections are designated by double spacing between heading and paragraphs. Subsection headings are either underlined, flush to left margin, and numbered or indented and underlined. Other than short lists, bulleted items, or other brief exceptions, the bulk of the text should be flush to the left margin.

- 5.2.4 **LIST** the following information (as a minimum) on the bottom of each page in the section:

- A. **PREFACE** page numbers with the section centered in the footer.
- B. **PLACE** tables, followed by figures in back of the section.

- 5.2.5 **MAINTAIN** Attachments to the Emergency Plan separately in the Emergency Plan Attachments Volume. Due to the supplemental nature of the information, they need not comply with the plan format described above nor the plan's revision process.

5.3 **The Event Classification Guide (ECG) Shall Be Organized and Formatted As Follows:**

- 5.3.1 **MAINTAIN** separate Event Classification Guides for both Salem and Hope Creek.

- 5.3.2 **INCLUDE** the following sections in the ECG volume:

- Table of Contents
- Introduction & Usage
- Critical Function Status Trees (CFSTs) (Salem only)

- Glossary of Acronyms & Abbreviations
- Classification Sections
- Attachments

5.3.3 **MAINTAIN** one shared signature page for the ECG Sections and Attachments. The Sections and Attachments are individually revised and maintained. The list of effective pages records this information.

5.3.4 **ORGANIZE** each classification section as a flow diagram in the following format:

Initiating Condition

OPCON/MODE

EAL Flow Diagram

If condition/parameter and	If condition/parameter then
condition/parameter then	Action Required (classification)

AND, **IF**, and **THEN** are the major logic statements used.

5.3.5 **PLACE** each Attachment in a checklist format with user initial bars or boxes for each statement, as appropriate.

5.3.6 **INCLUDE** the following sections in the ECG Technical Basis:

- IC
- EAL
- OpCon/Mode
- Basis
- Barrier Analysis
- Discussion
- Deviation (from NUMARC NESP-007)
- References

- 5.3.6 **LIST** the following information (as a minimum) on each page in the section or Attachments of the applicable ECG as appropriate.

Footers* (Attachments only) -

SGS

Rev. #

or

HCGS

Rev. #

* Footers not required on Section flowcharts

Headers (Sections) -

SGS ECG

Rev. #

Page ___ of ___

or

HCGS ECG

Rev. #

Page ___ of ___

Headers (Attachments) -

ECG

ATT #

Pg. ___ of ___

5.4 **Coordinate the Transfer of Emergency Planning Documents to the Document Management Group (DMG) as Follows:**

- 5.4.1 **ENSURE** DMG has the identification of individuals that require controlled copies of the Emergency Plan/EPEP/ECG/ECG Basis.
- 5.4.2 As needed, **ASSIST** the DMG in the contact and follow-up of controlled documents assigned to federal, state, and local government agencies.
- 5.4.3 **PREPARE** a master copy of the revision, a revised Table of Contents (with effective date and page information), and an instruction sheet (see Exhibit 2) for outlining revision requirements for each distribution of the Emergency Plan/EPEP/EPAP/ECG,
- 5.4.4 **ENSURE** that all Emergency Plan revisions are forwarded to the Licensing Department within 10 working days for proper distribution to the NRC.

5.5 **Establish a Closing Document (CD) for Commitment Tracking as follows:**

- 5.5.1 **DISCUSS** the specifics of the potential commitment in question with EP Management.
- 5.5.2 **OBTAIN** approval from EP Management prior to establishing a CD.
- 5.5.3 **ESTABLISH** the CD in accordance with Attachment 1 of this procedure once approval has been obtained.

6.0 **RECORDS**

All revision, review and approval records should be kept IAW the PSEG Nuclear Records Management Program

7.0 **DEFINITIONS**

8.0 **REFERENCES**

8.1 **Reference**

8.1.1 NC.NA-AP.ZZ-0001(Q), Nuclear Procedure System

8.1.2 NC.DM-AP.ZZ-0001(Q), Procedure Administrative Processes

8.1.3 NC.NA-AP.ZZ-0030(Q) Commitment Management

8.1.4 NC.NA-WG.ZZ-0001(Q), Procedure Writers Guide

8.1.5 PSEG Nuclear L.L.C. Emergency Plan, Section 17

ATTACHMENT 1 COMMITMENT TRACKING

Purpose:

This Attachment should be implemented when a commitment is required to be implemented in any part of the Emergency Plan, EPEPs, EPAPs, ECGs.

EP Commitment Tracking Coordinator should:

Maintain a current and historical file of commitments made;

1. Revise & approve submitted EP commitment tracking forms by ensuring that:
 - A. The commitment tracking file (Closing Document) holds all the information pertaining to the source of the commitment (Corrective Action Program items, revision forms, work orders, NRC open items, and any correspondence).
 - B. The commitment tracking log (contained in this Attachment) has been updated.
 - C. Ensure that the EP Document being revised contains the commitment tracking #CD assigned above.

EP Document Revision Sponsors should:

2. For procedure revisions, the sponsor should ensure commitment numbers are incorporated on appropriate documents to ensure traceability as follows:
 - A. Complete EP Commitment Tracking Form (contained in this Attachment)
 - B. Add the commitment number in the new or revised document using the format **EPYY-XXX** in the following locations:
 1. For EPEPs, EPAPs, or ECG Attachments - at the end of procedure step
 2. For Emergency Plan Sections - at the end of the Plan paragraph affected
 3. For ECG Sections – EALs - in the basis document for the specific EAL in question
 4. Commitments that affect whole documents are to be identified by placing the CD# in the left margin next to the document title.
 5. All commitments should be listed in the reference section of the procedure

**ATTACHMENT 1
EP COMMITMENT TRACKING FORM**

Commitment #: EP _____	Date: _____
Topic(s): _____ _____	
Source: _____ _____	
Plan/Proc: _____ _____	
Rev. #: _____ _____	
Description of Commitment: _____ _____ _____ _____	
Key Words: _____ _____	

1. **OBTAIN** next sequential commitment number from the EP CD log.
2. **COMPLETE** the form to establish a commitment number and file.
3. **ATTACH** copies of any supporting documentation with this form for the file.
4. **LIST** key words to assist in sorting, if applicable.
5. **SUBMIT** to EP Commitment Tracking Coordinator (EP CTC).

ATTACHMENT 1 EP COMMITMENT TRACKING EXAMPLES

This attachment includes a hypothetical example of how a commitment would be tracked in an EPEP and in an ECG

EXAMPLE 1 - EPEP

4. References

4.2 **EP95-003**, Salem Diesel Generator fuel oil availability monitoring

5. Appendices

5.1 Maintenance of Fuel Oil to Salem Emergency Diesel Generators (**EP95-003**)

CHECKLIST 1 TECHNICAL SUPPORT MANAGER (TSM) CHECKLIST

- ____ 6. For Salem only, assign a team member to monitor the status of TSC Emergency Diesel Generator (EDG) fuel oil availability by implementing Appendix 6, Maintenance of Fuel Oil to Salem Emergency Diesel Generators, as appropriate. (**EP95-003**)

EXAMPLE 2 - ECG

EP95-002 11.9 Accidental Criticality/Special Nuclear Material/Rad Material

REFERENCES

10CFR50.72(b)(2)(vi)

NUREG 1022, Rev. 1, 2nd Draft

The existence of this procedure satisfies the following commitments:

EP95-002, Hope Creek April 5, 1995 Radiological Release

ATTACHMENT 1
EMERGENCY PREPAREDNESS COMMITMENT TRACKING LOG

Commitment Document #	Document(s) Affected	Sponsors Initials/Date	Coordinators Initials
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			
EP			

NOTE: Make additional copies of this form as needed.

Exhibit 1 **SIGNATURE PAGE**

Prepared By: _____
(If Editorial Revisions Only, Last Approved Revision) _____ Date _____

Section(s) Revised: _____
(List Non-Editorial Only - Section (s))

Reviewed By: _____
10CFR50.54q Effectiveness Reviewer _____ Date _____

Reviewed By: _____
Department Manager _____ Date _____

Reviewed By: _____
EP Manager _____ Date _____

Reviewed By: _____
Quality Assessment Manager
(If Applicable) _____ Date _____

SORC Review and Station Approvals

_____	_____	_____	_____
Mtg. No.	Salem Chairman	Mtg. No.	Hope Creek Chairman
_____	_____	_____	_____
	Date		Date
_____	_____	_____	_____
	Vice President - Operations		Date

Effective date of this Revision: _____
Date

Exhibit 2
ADDITIONS/REVISION DISTRIBUTION FORM

PSEG NUCLEAR, L.L.C.
EMERGENCY PLAN ADMINISTRATIVE PROCEDURES
JULY XX, 2001

CHANGE PAGES FOR
REVISION #51

The Table of Contents forms a general guide to the current revision of each section of the Emergency Plan Administrative Procedures. The changes that are made in this TOC Revision #51 are shown below. Please check that your revision package is complete. Remove and discard outdated material and insert new material as listed below.

ADD

<u>Page</u>	<u>Description</u>	<u>Rev.</u>
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All	T.O.C.	51
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All	EPAP 1001	17
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REMOVE

<u>Page</u>	<u>Description</u>	<u>Rev.</u>
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All	T.O.C.	50
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All	EPAP 1001	16
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PSEG NUCLEAR L.L.C.

NC.EP-AP.ZZ-1003 (Q) - Rev. 00

10CFR50.54q EFFECTIVENESS REVIEW GUIDE

SPONSOR ORGANIZATION: Emergency Preparedness

REVISION SUMMARY:

Biennial review performed: Yes X No

1. This procedure is a rewrite of Emergency Plan Implementing Procedure (EPIP) 1003 "Review and Approval of Plan/Procedures/ECG", Rev. 11, and a reformat into the NC.NA-AP.ZZ-0001(Q) Nuclear Procedure System structure.
2. The title of this procedure was changed to more accurately reflect the true purpose of the procedure: (i.e., 10CFR50.54Q Effectiveness Review).
3. This revision updates titles and references, corrects typos, and streamlines the procedure by eliminating redundant and unnecessary Station Qualified Reviewer (SQR) evaluation content.
4. Due to the restructuring and extensive reformatting, change bars were not utilized.

IMPLEMENTATION REQUIREMENTS

Effective Date: 10-04-01

APPROVED: _____


EP Manager

7/18/01
Date

10CFR50.54(q) EFFECTIVENESS REVIEW GUIDE**TABLE OF CONTENTS**

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ATTACHMENTS

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Attachment 2	10CFR50.54(q) Effectiveness Review	8

1.0 **PURPOSE**

To establish process guidance for determining the effects and impact of a proposed change on the Emergency Plan via the 50.54q evaluation and review process.

2.0 **SCOPE**

2.1 This procedure applies to the following emergency preparedness activities:

- Provides guidance for performing 10CFR50.54q Applicability and Effectiveness Reviews in order to determine the effects and impact of a given change on the Emergency Plan, Emergency plan Implementing Procedures or Emergency Plan Administration Procedures.
- Describes what to do if a proposed revision or change will result in adverse effects and impact on the Emergency Plan.

2.2 This procedure does NOT apply to the following processes:

- SQR reviews, which are, conducted IAW the requirements of NC.NA-AP.ZZ-0001(Q).
- Safety evaluations are conducted IAW the requirements of NC.NA-AP.ZZ-0059(Q).

3.0 **RESPONSIBILITIES**

3.1 **EP Management** is responsible for:

- Ensuring that assigned personnel follow the provisions of this procedure.
- Ensuring that personnel assigned responsibility for implementing this procedure are qualified to do so.

3.2 **Personnel Assigned** to Implement this procedure are responsible for:

- Discussing any potential effects or impact on the Emergency Plan that would result from a proposed change with EP Management.

4.0 **PROCESS DESCRIPTION**

This procedure provides directions and guidance for conducting 10CFR50.54(q) Applicability and Evaluation Reviews in order to evaluate the effects and impact of proposed changes on the Emergency Plan and/or associated procedures. If applicable, these two processes are documented on separate forms contained in the two attachments of this procedure.

5.0 PROCEDURE

5.1 General Information

- 5.1.1 A change to the emergency plan or associated procedure will not decrease the *effectiveness of the plan*, if the change will not decrease the abilities of the emergency response organization, and/or supporting emergency response facilities and equipment, as required by paragraphs 10CFR50.47(b) and Appendix E, or equivalent measures approved under 10CFR50.47(c), to reasonably assure the adequate protection of public health and safety in the event of a radiological emergency as stated in 10CFR50.47(a)(1). The change cannot delete or decrease any of the planning standards described in 10CFR50.47(b) and (d), or in Appendix E to 10CFR Part 50 without prior approval of the NRC.
- 5.1.2 A 10CFR50.54(q) Applicability Review is performed to determine if a 10CFR50.54(q) Effectiveness Review is needed. If an Effectiveness Evaluation is required, the Applicability Review may be discarded.
- 5.1.3 If it is determined that a reduction in effectiveness of the Emergency Plan will exist, then NRC approval shall be obtained prior to implementing the proposed change. Nuclear Licensing should be contacted for assistance in coordination of the Emergency Plan change request justification package.
- 5.1.4 If it is determined that a change to the UFSAR is necessary, a UFSAR Change Notice shall be initiated in accordance with NC.NA-AP.ZZ-0035(Q), Nuclear Licensing and Reporting (NAP 35). The UFSAR Change Notice shall be processed with a 10CFR50.59 Screening and/or Safety Evaluation in accordance with the guidance in NAS-59. UFSAR change notices, with Safety Evaluations, shall be presented together at SORC.
- 5.1.5 If it is not known whether a reduction in effectiveness of the Emergency Plan will be realized as a result of a proposed revision or change, the preparer shall complete Attachment 1, 10CFR50.54(q) Applicability Review.
- 5.1.6 If it is known that an Effectiveness Review will be required, then the preparer may proceed directly to Attachment 2, 10CFR50.54(q) Effectiveness Review.

5.2 10CFR50.54(q) Applicability Reviews

- 5.2.1 Attachment 1 of this procedure, 10CFR50.54(q) Applicability Review is a screening tool that provides a series of questions that should be used for determining whether a proposed change (procedural or otherwise) may potentially reduce the effectiveness of the Emergency Plan.

5.2.2 Each question should be examined carefully. If it is determined that a potential exists for reducing the effectiveness of the Emergency Plan (i.e., any "Yes" response), the preparer shall proceed directly to Attachment 2, 10CFR50.54(q) Effectiveness Review.

5.2.3 If all questions are answered "no", then it can be concluded that no reduction in effectiveness of the Emergency Plan will occur and implementation of Attachment 2 is not required.

5.3 **10CFR50.54(q) Effectiveness Reviews**

5.3.1 Attachment 2 of this procedure, *10CFR50.54(q) Effectiveness Review* is a tool for making a final determination whether a reduction in effectiveness of the Emergency Plan will exist as a result of implementing a proposed revision or change (procedural or otherwise). This also determines if NRC approval is required prior to implementing the proposed revision or change.

5.3.2 Attachment 2 presents several critical questions to consider regarding reduction in effectiveness of the Emergency Plan. Any "no" response requires proper justification as to why the question does not apply.

5.3.3 If it is determined that a reduction in effectiveness will exist (i.e., a "yes" response to any of the questions), then NRC approval must be obtained prior to implementing the proposed change(s).

5.3.4 If it is determined that a reduction in effectiveness will not exist (i.e., "no" responses to all of the questions) and proper justification is provided for this conclusion, then the proposed changes may be implemented without prior NRC approval under the provisions of 10CFR50.54(q).

6.0 **RECORDS**

All 10CFR50.54(q) Evaluation Guidance records (applicability reviews & effectiveness reviews) should be kept with the effected procedure in accordance with NC.NA-AP.ZZ-0011(Q), Records Management Program.

7.0 **DEFINITIONS**

8.0 **REFERENCES**

8.1 **Reference**

8.1.1 10CFR50.54(q)

8.1.2 10CFR 50.47(a), (b), (c), (d)

8.1.3 10CFR Part 50 Appendix E

8.2 **Cross-References**

8.2.1 PSEG Nuclear L.L.C. Emergency Plan, Section 17.

ATTACHMENT 1
10CFR50.54(q) APPLICABILITY REVIEW
Page ___ of ___
Revision ___

I.D. Numbers/Reference/Revision: _____

Title: _____

Brief Description/Summary of Proposed Change(s): _____

Section I. Does this proposed revision or change impact:

- 1) The assignment of responsibilities to either principal or supporting organizations or affect their ability to respond initially or on a continuous basis.
☐ **Yes** ☐ **No**
- 2) The staffing and/or responsibilities of on-shift personnel or initial activation and long term staffing of emergency response facilities.
☐ **Yes** ☐ **No**
- 3) The interface between onsite and offsite support response activities.
☐ **Yes** ☐ **No**
- 4) Arrangements for requesting and effectively using assistance or resources from Local, State or Federal authorities.
☐ **Yes** ☐ **No**
- 5) Accommodations for State and/or Local staff at the Emergency Operations Facility.
☐ **Yes** ☐ **No**
- 6) Emergency Action Levels (If yes, State/Local government agreement required).
☐ **Yes** ☐ **No**
- 7) Notification procedures to either the ERO, Local, State and/or Federal entities.
☐ **Yes** ☐ **No**
- 8) Content of initial and follow-up messages.
☐ **Yes** ☐ **No**

ATTACHMENT 1
10CFR50.54(q) APPLICABILITY REVIEW
Page ___ of ___
Revision ___

I.D. Numbers/Reference/Revision: _____

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- 9) Communications capability among principal response organizations to emergency personnel or the public.
☐ Yes ☐ No
- 10) Emergency facilities and support equipment provisions or maintenance.
☐ Yes ☐ No
- 11) Methods, systems and/or equipment for the assessment and monitoring of actual or potential offsite radiological consequences.
☐ Yes ☐ No
- 12) Onsite protective actions or Offsite Protective Action Recommendations.
☐ Yes ☐ No
- 13) Means for controlling emergency worker radiation exposures consistent with the guidelines established by the EPA.
☐ Yes ☐ No
- 14) Arrangements for medical services for contaminated injured individuals.
☐ Yes ☐ No
- 15) Training requirements for Emergency Response Organization (ERO) personnel.
☐ Yes ☐ No
- 16) General plans/procedures for recovery or reentry.
☐ Yes ☐ No
- 17) Conduct of drill/exercise and associated deficiency identifications.
☐ Yes ☐ No
- 18) Responsibilities for development, revision & distribution of Emergency Plan Documents.
☐ Yes ☐ No
- 19) Emergency Plan training for the staff.
☐ Yes ☐ No

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- 20) Offsite Agency agreements, notifications, or reporting requirements. If yes or unsure, must be evaluated by Technical Specialist - Offsite Emergency Preparedness.
☐ Yes ☐ No

Section II. Conclusion

If **any** of the criteria listed above **is affected** (i.e., answer Yes to one or more of the above), then an Attachment 2, 10CFR50.54(q) Effectiveness Evaluation is required.

Is an Attachment 2, 10CFR50.54(q) Effectiveness Review, required?

☐ **YES**, Attachment 2 **is** required ☐ **NO**, Attachment 2 **is not** required

Section III. Completion

Preparer Name (Print)	Preparer (Signature)	Date
Reviewer Name (Print)	Reviewer (Signature)	Date

ATTACHMENT 2
10CFR50.54(q) EFFECTIVENESS REVIEW
 Page ___ of ___
 Revision ___

I.D. Numbers/Reference/Revision: _____

Title: _____

Brief Description/Summary of Proposed Change(s): _____

REVIEW the proposed change(s) or revision(s) against the following questions.

IF the response to **any** of these questions is "**yes**",
THEN NRC approval must be obtained prior to implementing the proposed change(s).

1. Does the change(s) or revision(s) decrease the effectiveness of the Emergency Plan or associated procedures resulting in the loss of reasonable assurance that adequate protection can and will be taken in the event of a radiological emergency as required by 10CFR50.47(a)?
☐ **Yes** ☐ **No**

Rationale: Explain how the proposed revision maintains reasonable assurance of adequate protective actions. An explanation may be based on an assessment of its effects on public health and safety, a review of applicable plans, procedures, and resources, or by demonstration of the affected capabilities in a drill or exercise. Consideration should be given to any applicable site-specific planning needs.

Discuss the basis for the determination, and identification of the PSEG Nuclear L.L.C. Emergency Plan Sections (or other applicable documents) that were reviewed:

ATTACHMENT 2
10CFR50.54(q) EFFECTIVENESS REVIEW
 Page __ of __
 Revision __

I.D. Numbers/Reference/Revision: _____

Title: _____

2. Does the proposed revision result in the loss of ability to meet any of the standards or applicable requirements described in 10CFR50.47(b) and (d) or any NRC-approved alternatives to those standards and requirements?

☐ **Yes** ☐ **No**

Rationale: Explain any revision that reasonably brings to question the ability to meet any of the sixteen standards described in 10CFR50.47(b) and any applicable requirements of 10CFR50.47(d) or any NRC-approved alternatives to those requirements.

Discuss the basis for the determination, and identification of applicable 10CFR 50 sections that were reviewed:

3. Does the proposed revision delete or contradict any other regulatory regulatory requirement?
- ☐ **Yes** ☐ **No**

Discuss the basis for the determination, and identification of any additional NRC regulations that were reviewed; (e.g., NUREGs, NRC Information Notices, I.E. Bulletins, etc.).

ATTACHMENT 2
10CFR50.54(q) EFFECTIVENESS REVIEW
Page ____ of ____
Revision ____

I.D. Numbers/Reference/Revision: _____

Title: _____

Conclusion/Determination:

NRC approval determination (check appropriate box):

☐ **YES** - NRC approval is required

☐ **NO** - NRC approval is not required

If the proposed revision involves a change to Emergency Action Levels,
Then State and Local Government Authorities agreement is required prior to implementation
(check appropriate box):

☐ **YES** - State agreement is required

☐ **NO** - State agreement is not required

Preparer Name (Print)

Preparer (Signature)

Date

Reviewer Name (Print)

Reviewer (Signature)

Date

Approver Name (Print)

Approver (Signature)

Date

NUCLEAR BUSINESS UNIT EMERGENCY PLAN
ADMINISTRATIVE PROCEDURE

PLAN/EPIP/ECG DEVELOPMENT AND REVISION
EPIP 1001

This procedure has been superceded by NC.EP-AP.ZZ-1001 (Q) Revision 00.

PSE&G
CONTROL
COPY # EPIP059

SIGNATURE PAGE

Prepared By: Francis Hughes 9/5/01
(If Editorial Revisions Only, Last Approved Revision) Date

Reviewed By: Raymond Bruce (R. REECE) 09/08/2001
Station Qualified Reviewer Date

Reviewed By: [Signature] 9/14/01
Department Manager Date

Reviewed By: [Signature] 9/14/01
Emergency Preparedness Manager Date

Reviewed By: N/A N/A
Director - QA/Nuclear Safety Review Date
(If Applicable)

SORC Review and Station Approvals

N/A
Mtg. No. Salem Chairman
N/A
Date

N/A
Mtg. No. Hope Creek Chairman
N/A
Date

[Signature]
Vice President - Operations

9/25/01
Date

Effective date of this Revision: 10/4/01

NUCLEAR BUSINESS UNIT EMERGENCY PLAN
ADMINISTRATIVE PROCEDURE

DISTRUTION OF PLAN/EPIP/ECG
EPIP 1002

This procedure has been superceded by NC.EP-AP.ZZ-1001 (Q) Revision 00.

PSE&G
CONTROL
COPY # EPIP059

SIGNATURE PAGE

Prepared By: Francis Hughes 9/5/01
(If Editorial Revisions Only, Last Approved Revision) Date

Reviewed By: Raymond R. Reece (R. REECE) 09/08/2001
Station Qualified Reviewer Date

Reviewed By: [Signature] 7/11/01
Department Manager Date

Reviewed By: [Signature] 9/14/01
Emergency Preparedness Manager Date

Reviewed By: N/A N/A
Director - QA/Nuclear Safety Review Date
(If Applicable)

SORC Review and Station Approvals

N/A
Mtg. No. Salem Chairman
N/A
Date

N/A
Mtg. No. Hope Creek Chairman
N/A
Date

[Signature]
Vice President - Operations

9/25/01
Date

Effective date of this Revision: 10/4/01

NUCLEAR BUSINESS UNIT EMERGENCY PLAN
ADMINISTRATIVE PROCEDURE

REVIEW AND APPROVAL OF PLAN/PROCEDURES/ECG
EPIP 1003

This procedure has been superceded by NC.EP-AP.ZZ-1003 (Q) Revision 00,
and by NC.EP-AP.ZZ-1001 (Q) Revision 00.

PSE&G
CONTROL
COPY # EPIP059

SIGNATURE PAGE

Prepared By: Francis Hughes 9/5/01
(If Editorial Revisions Only, Last Approved Revision) Date

Reviewed By: Raymond R. Reece 09/08/2001
Station Qualified Reviewer Date

Reviewed By: [Signature] 9/12/01
Department Manager Date

Reviewed By: [Signature] 9/12/01
Emergency Preparedness Manager Date

Reviewed By: N/A N/A
Director - QA/Nuclear Safety Review Date
(If Applicable)

SORC Review and Station Approvals

N/A
Mtg. No. Salem Chairman
N/A
Date

N/A
Mtg. No. Hope Creek Chairman
N/A
Date

David F. Hawshaw
Vice President - Operations

9/25/01
Date

Effective date of this Revision: 10/4/01

NUCLEAR BUSINESS UNIT EMERGENCY PLAN
ADMINISTRATIVE PROCEDURE

FORMAT OF PLAN/EPIP/ECG
EPIP 1004

This procedure has been superceded by NC.EP-AP.ZZ-1001 (Q) Revision 00.

PSE&G
CONTROL
COPY # EPIP059

SIGNATURE PAGE

Prepared By: Francis Hughes 9/5/01
(If Editorial Revisions Only, Last Approved Revision) Date

Reviewed By: Ralph Bane (R. Keele) 09/08/2001
Station Qualified Reviewer Date

Reviewed By: [Signature] 9/14/01
Department Manager Date

Reviewed By: [Signature] 9/14/01
Emergency Preparedness Manager Date

Reviewed By: N/A N/A
Director - QA/Nuclear Safety Review Date
(If Applicable)

SORC Review and Station Approvals

N/A
Mtg. No. Salem Chairman
N/A
Date

N/A
Mtg. No. Hope Creek Chairman
N/A
Date

[Signature]
Vice President - Operations

9/25/01
Date

Effective date of this Revision: 10/4/01

NUCLEAR BUSINESS UNIT EMERGENCY PLAN
ADMINISTRATIVE PROCEDURE

EOF/ENC SUPPLY & LOCKER INVENTORY
EPIP 1007

This procedure has been superceded by NC.EP-DG.ZZ-0002 (Z) Revision 00.

PSE&G
CONTROL
COPY # EPI10059

SIGNATURE PAGE

Prepared By: James J. [Signature] 9/20/01
(If Editorial Revisions Only, Last Approved Revision) Date

Reviewed By: Raymond Bruce (R. Bruce) 09/20/2001
Station Qualified Reviewer Date

Reviewed By: [Signature] 9/26/01
Department Manager Date

Reviewed By: [Signature] 9/26/01
Emergency Preparedness Manager Date

Reviewed By: N/A N/A
Director - QA/Nuclear Safety Review Date
(If Applicable)

SORC Review and Station Approvals

Mtg. No. N/A
Salem Chairman
N/A
Date

Mtg. No. N/A
Hope Creek Chairman
N/A
Date

[Signature]
Vice President - Operations

9/26/01
Date

Effective date of this Revision: 10-04-01