

**PSEG Site
ESP Application
Part 5, Emergency Plan**

TABLE OF CONTENTS/SIGNATURE PAGE

March 31, 2014

REVISION 3

Sec	Title	Rev.	Pages	Date
TOC	TABLE OF CONTENTS	3	10	3/31/2014
1	INTRODUCTION	3	15	3/31/2014
2	ASSIGNMENT OF RESPONSIBILITY	3	14	3/31/2014
3	EMERGENCY ORGANIZATION	3	42	3/31/2014
4	EMERGENCY RESPONSE SUPPORT AND RESOURCES	3	5	3/31/2014
5	EMERGENCY CLASSIFICATION SYSTEM	3	2	3/31/2014
6	NOTIFICATION METHODS - RESPONSE ORGANIZATION	3	22	3/31/2014
7	EMERGENCY COMMUNICATIONS	3	6	3/31/2014
8	PUBLIC INFORMATION	3	2	3/31/2014
9	EMERGENCY FACILITIES AND EQUIPMENT	3	11	3/31/2014
10	ACCIDENT ASSESSMENT	3	7	3/31/2014
11	PROTECTIVE RESPONSE	3	5	3/31/2014
12	RADIOLOGICAL EXPOSURE CONTROL	3	6	3/31/2014
13	MEDICAL SUPPORT	3	2	3/31/2014
14	RECOVERY AND REENTRY PLANNING	3	2	3/31/2014
15	EXERCISES AND DRILLS	3	6	3/31/2014
16	RADIOLOGICAL EMERGENCY RESPONSE TRAINING	3	9	3/31/2014
17	EMERGENCY PLAN ADMINISTRATION	3	4	3/31/2014

**PSEG Site
ESP Application
Part 5, Emergency Plan**

TABLE OF CONTENTS/SIGNATURE PAGE

LIST OF ATTACHMENTS

Attachments	Title
Attachment 1:	Typical Contents to Emergency Documents
Attachment 2:	Certification Letters
Attachment 3:	Memoranda of Understanding
Attachment 4:	Radiological Assistance Program
Attachment 5:	Emergency Action Levels
Attachment 6:	AP1000 - Specific Information
Attachment 7:	ABWR - Specific Information
Attachment 8:	US-APWR - Specific Information
Attachment 9:	U.S. EPR - Specific Information
Attachment 10:	Emergency Planning – Inspections, Tests, Analyses, and Acceptance Criteria (EP-ITAAC)
Attachment 11:	Development of Evacuation Time Estimates

**PSEG Site
ESP Application
Part 5, Emergency Plan**

TABLE OF CONTENTS/SIGNATURE PAGE

LIST OF TABLES

Tables	Title
1-1	List of Emergency Response Planning Areas, Towns within 10 Miles of the PSEG Site, and ERPA Populations
1-2	Offsite Emergency Plans Supporting PSEG Emergency Plan
3-1	Line of Succession/Emergency Coordinator Duties
3-2	Correlation to NUREG-0654, Table B-1
6-1	Notification and Action Summary
7-1	Nuclear Business Unit/Emergency Response Facilities Communications Support
9-1	Emergency Equipment Summary/(Typical)
11-1	Representative Shielding Factors from Gamma Cloud Source
12-1	Acceptable Surface Contamination Levels
12-2	Personnel Decontamination Methods
15-1	Schedule of Exercises and Drills
16-1	Emergency Plan Training Matrix
16-2	Emergency Plan Course Content Description
17-1	Review and Approval of Emergency Plan Documents

**PSEG Site
ESP Application
Part 5, Emergency Plan**

TABLE OF CONTENTS/SIGNATURE PAGE

LIST OF FIGURES

Figures	Title
1-1	General Location of the PSEG Site and Surrounding Area
1-2	PSEG Site Layout
1-3	10-Mile Emergency Planning Zone
1-4	50-Mile Emergency Planning Zone
2-1	PSEG Corporate Organization
2-2	PSEG Nuclear Organization
2-3	Delaware State Interface
2-4	New Jersey State Interface
2-5	Decision Chain Protective Actions for Events Classified as General Emergency
2-6	State of Delaware/Radiological Emergency Response/State Organization
2-7	State of New Jersey/Radiological Emergency Response/State Organization
2-8	Salem County/County Emergency Organization
2-9	Cumberland County/County Emergency Organization
2-10	New Castle County (NCC)/County Emergency Organization
2-11	Kent County/County Emergency Organization
3-1	On Shift Staffing Emergency Response Organization
3-2	Station Response with External Interface
3-3	Emergency Operations Facility/Emergency Response Organization with External Interface

**PSEG Site
ESP Application
Part 5, Emergency Plan**

TABLE OF CONTENTS/SIGNATURE PAGE

LIST OF FIGURES

Figures	Title
3-4	Emergency News Center/Joint Information Center Organization with External Interface
4-1	PSEG Site Access from Area Airports
6-1	Notification Method - PSEG
6-2	Notification Method - New Jersey
6-3	Notification Method - Delaware
6-4	Typical Initial Contact Message Form
6-5	Typical Station Status Check List
6-6	Prompt Notification System
6-7	Approximate Area of Prompt Notification System Coverage
17-1	Organization for Coordination of Emergency Planning

**PSEG Site
ESP Application
Part 5, Emergency Plan**

TABLE OF CONTENTS/SIGNATURE PAGE

LIST OF NUREG-0654 CROSS REFERENCE TO PLAN

NUREG-0654 REF. SECTION	EMERGENCY PLAN SECTION	NUREG-0654 REF. SECTION	EMERGENCY PLAN SECTION
Part A		Part E	
1.a	Section 2 & 4	1	Section 6
1.b	Section 2		
1.c	Section 2 Figures	2	Section 6
		3	Section 6
		4.a-n	Section 6
		5	N/A
1.d	Section 3	6	Section 6
1.e	Section 3,4	7	Section 6
2.a	N/A		
2.b	N/A	Part F	
3	Att 3	1.a	Section 7
4	Section 3	1.b	Section 7
		1.c	Section 7
Part B			
1	Section 3	1.e	Section 6
2	Section 3	1.f	Section 7
3	Section 3	2	Section 13
4	Section 3	3	Section 15
5	Section 3		
6	Section 3	Part G	
7.a	Section 3	1.a-d	Section 8
7.b	Section 3	2	Section 8
7.c	Section 3	3.a	Section 3&9
7.d	Section 3	3.b	Section 9
8	Section 4	4.a	Section 3&8
9	Att 3	4.b	Section 8
		4.c	Section 8
		5	Section 8
Part C			
1.a	Section 3&4	Part H	
1.b	Section 4	1	Section 9, Att 6-9
1.c	Section 4 Att 4	2	Section 9
2.a	Section 4	3	N/A
2.b	Section 4	4	Section 3&9
3	Section 4		
		5.a-d	Section 10, Att 6-9
4	Section 4 Att 3	6.a-c	Section 10, Att 6-9
Part D			
1	Section 5 Att 5		
2	Section 5 Att 5		
3	N/A		
4	N/A		

**PSEG Site
ESP Application
Part 5, Emergency Plan**

TABLE OF CONTENTS/SIGNATURE PAGE

LIST OF NUREG-0654 CROSS REFERENCE TO PLAN

NUREG-0654 REF. SECTION	EMERGENCY PLAN SECTION	NUREG-0654 REF. SECTION	EMERGENCY PLAN SECTION
Part H (contd)		Part J (contd)	
7	Section 9	10.m	Section 11
8	Section 10	11	N/A
9	Section 9, Att 6-9	12	N/A
10	Section 9		
11	Section 9	Part K	
12	Section 9	1.a-g	Section 12
		2	Section 12
Part I		3.a	Section 12
1	Att 5	3.b	Section 12
2	Section 10	4	Section 12
3.a	Section 10	5.a	Section 12
3.b	Section 10	5.b	Section 12
4	Section 10	6.a-c	Section 12
5	Section 10	7	Section 12
6	Section 10	Part L	
7	Section 10, 9	1	Section 13
8	Section 10	2	Section 13
9	Section 10	3	Section 13
10	Section 10	4	Section 10
11	N/A		
Part J		Part M	
1.a	Section 11	1	Section 14
1.b	Section 11	2	Section 14
1.c	Section 11	3	Section 14
1.d	Section 11	4	Section 10
2	Section 11		
3	Section 11	Part N	
4	Section 11	10a	Section 15
5	Section 11	1.b	Section 15
6.a	Section 11	2	Section 15
6.b	Section 11	2.a-e	Section 15
6.c	Section 3, 9	3.a-f	Section 15
7	Section 5, Att 5	4	Section 15
8	Att 11	5	Section 15
9	N/A		
10.a	Att 11	Part O	
10.b	Att 11	1	Section 16
10.c	Section 6	1.a	Section 16
10.d-1	N/A	1.b	N/A
		2	Section 16

**PSEG Site
ESP Application
Part 5, Emergency Plan**

TABLE OF CONTENTS/SIGNATURE PAGE

LIST OF NUREG-0654 CROSS REFERENCE TO PLAN

NUREG- 0654 REF. SECTION	EMERGENCY PLAN SECTION	NUREG- 0654 REF. SECTION	EMERGENCY PLAN SECTION
-----------------------------------	------------------------------	-----------------------------------	------------------------------

Part O (contd)

3	Section 16
4.a	Section 16
4.g	Section 16
4.h	Section 16
5	Section 16

Part P

1	Section 16
2	Section 17
3	Section 17
4	Section 17
5	Section 17
6	Section 1
7	TOC, Att 1
8	TOC, List of NUREG Cross Ref.
9	Section 17
10	Section 17

**PSEG Site
ESP Application
Part 5, Emergency Plan
TABLE OF CONTENTS/SIGNATURE PAGE**

SUMMARY OF REVISIONS

Revision 0 – Initial Issue

Revision 1 – Incorporation of changes made in response to RAI Nos. 1, 2 and 22.

Revision 2 – Incorporation of changes made in response to RAI No. 66 (Attachment 10) and PSEG's approach to implement Emergency Preparedness Rule changes (Section 15).

Revision 3 – Incorporation of changes to support a eight year drill cycle and requirement to conduct a hostile action based drill once every eight years (Section 15).

**PSEG Site
ESP Application
Part 5, Emergency Plan
TABLE OF CONTENTS/SIGNATURE PAGE**

SIGNATURE PAGE

Prepared By: _____	_____ Date
Sections Revised: _____ (List Non-Editorial Only - Section/Attachments)	_____ Date
Reviewed By: _____ 10CFR50.54q Effectiveness Reviewers	_____ Date
Reviewed By: _____ Department Manager	_____ Date
Reviewed By: _____ Manager - EP	_____ Date
Reviewed By: _____ Director - Nuclear Oversight (If Applicable)	_____ Date

PORC Review and Station Approvals

N/A
Mtg. No. N/A PSEG Site Chairman

N/A
Date

N/A
PSEG Site Plant Manager

N/A
Date

Effective date of this revision: _____
Date