

12/15/95

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Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038-0236

Nuclear Business Unit

TO: Hope Creek UFSAR Copy Holders

FROM: R. L. Raymond
Senior Staff Engineer - Licensing and Regulation

SUBJECT: **APPROVED CHANGE NOTICES TO THE HOPE CREEK UPDATED
FINAL SAFETY ANALYSIS REPORT (UFSAR) SINCE THE LAST
REVISION**

DATE: DEC 10 1995

REF: LR-I95723

Attached is a list of the current approved changes to the Hope Creek Generating Station Updated Final Safety Analysis Report (UFSAR). Replace the current list in the front of your copy of the UFSAR with the attached list. This list will be updated on a monthly basis to keep you apprised of changes to the UFSAR. This list should be consulted when reviewing the UFSAR during the process of writing 50.59 Safety Evaluations. The changes listed in the table are part of the UFSAR but do not show up in the current text of the printed UFSAR copies or in the database. However, the text of the approved change notices can now be found on DMS at the beginning of the UFSAR immediately after this letter in the form of marked-up pages of the UFSAR.

All of the previously identified "backlog" UFSAR change notices that should have already been incorporated into the UFSAR have now been fully approved or cancelled. The approved change notices are included in the attached list. An interim revision of the UFSAR will be published 12-29-95 to incorporate all of the approved backlog change notices as well as all approved current cycle change notices as of 11-1-95.

If you have any questions regarding any of the changes listed or you need to review any of the change notices listed, please contact me on extension 1249.

Attachment

RLR/pfr

C File 2.1.3

The following is a list of approved changes to the Hope Creek UFSAR which will be included in the next revision.

CONTROL COPY #
Page 1 11

Hope Creek UFSAR Changes

12/7/95

CN Number	Affected Sections	Affected Pages/Figures	Description
HSAR 87-173	7.5	T 7.5-1, Shts 1,2,3,4,5,6,7,10,12,13,1 5,16,17,19,20,23	Safety Parameter Table
HSAR 88-017	6.2	6.2-50, 6.2-51, 6.2-52	Water Seal Test
HSAR 88-032	9A	9A-21	Fire Protection - Ladders
HSAR 89-001	9.5.1.4.2	9.5-60	Fire Protection - Testing
HSAR 89-007	9A	T 9A-1	Fire Protection - Containment Added Room & Cable Trays
HSAR 89-016	9.1	9.1-1, 9.1-42	Modification to the Spent Fuel Pool Heat Exchangers
HSAR 89-021	11.3	11.3-13,23,24, T1.11-1	Changes to the condenser off-gas hydrogen analyzers due to implementation of DCP 4HC-0029.
		F 1.2-18	
HSAR 90-013	9.3	T 9.3-8 NEW	Designation of Radioactive Drains and Non-radioactive Drains
HSAR 90-014	8.2	8.2-10	Manual Trip-A-Unit Interlock Hope Creek Keeney/Deans Line
HSAR 90-022	10.2	F 10.2-11	Modify EHC BPV Control Logic
HSAR 90-027	7.3	F 7.3-52	Hydrogen Recombiner Trips
HSAR 90-032	9.2	T 9.2-4	Added Aux Boiler Cond Coolers
HSAR 90-034	9A	T 9A-1, Pg 17,39,40,48, T 9A-15; Pg 3,4, T 9A-15, Pg 1, T 9A-62, Pg 1	Updated to Indicate Combustible Load Contributions based on DCP 5EC-3022
HSAR 90-035	3.10, 8.3	3.10.3(P5), 8.3- 7a,b,c,d(1,2) F 8.3-8	Elimination of Topaz Inverter from ECCS and RCIC Circuitry and ECCS Leak Detection System.

*Canceled
Rel 14/8/95*

Hope Creek UFSAR Changes

12/7/95

<u>CN Number</u>	<u>Affected Sections</u>	<u>Affected Pages/Figures</u>	<u>Description</u>
HSAR 90-040	11.4	11.4-13, 11.4-14	Upgrade of Closed Circuit Television System Used to Observe the Solid Radwaste Packaging and Drum Handling
HSAR 90-041	9.A	9A-1, p 31; 9A9, p 1, 25	Temporary Reactor Recirc Vibration Monitoring per DCR 4EC-3186
HSAR 90-043	7.6	7.6-4, 7.6-37 F 7.6-11	Clarify PIS-N658 Valves
HSAR 90-051	6.2	F 6.2-27, Shts 1,2,6,8,13,15,22,30,35, 38,5	Correct typo's in existing USAR figures
HSAR 90-052	3.4	F3.4-3, Sh. 1 and 3	Update Finish Grade and Drainage Plan
HSAR 91-009	9.5	Table 9A-1, Table 9A-61	Update Fire Loads in Control Room Areas for Carpeting
HSAR 91-010	9A	9A.6.3, T 9A-15, T 9A-4	Fire Protection - Add Rooms
HSAR 91-012	9.5, 10.4, 11.3	Table 9.5-3 10.4-5 sh 1,2&3; 10.4-6 sh 1; 11.3-1	Installs Hydrogen Water Chemistry, Hydrogen/Oxygen Injection System to control intergranular stress corrosion cracking (IGSCC) per DCP 4HC-0242 Packages 1, 2, 3 & 4
HSAR 91-031	9.5	9.5-1	Standards for noncombustible coatings
HSAR 92-022	7.5	T7.5-1	Displayed Parameters Important to Safety
HSAR 92-030	4.1.4, 2.4.3, 4.4.4, 4.6	4.1-2, -20, 4.2-1, -2, 4.3-4, 4.4-10, 4.6-26, -45	Add description of ABB Control Rods
HSAR 92-035	9.2	9.2-16	Delete reference to use of sodium nitrite as corrosion inhibitor for STACS system
HSAR 93-001	6.2	T 6.2-30 pg 7	Primary Penetration Leak Rate Testing

Hope Creek UFSAR Changes

12/7/95

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HSAR 93-003	3.6, 3.2, 3.9	T 3.6-2, 3.2-3, 3.6-6, 3.6-6A, 3.6-20, 3.6-21, 3.6-27, 3.9-49, 3.9-4h, 3.9-4r, 3.9-4e, 3.9-4f, 3.9-4i F 3.6-30, 3.6-31, Shts 1,2	Snubber Reduction Project (SRP) for: SRV Lines D, H, M, Main Steam Line A, B, C, D, Loop A, B, C, D, SRV Lines A, B, C, E, G, J, L, R, Recirc Loop A, RHR Loop A, B Systems per DCP 4EC-1021, Package 1,2,3,4,5,&6
HSAR 93-004	9.2	T 9.2-9, 9.2-49, -52	Deletes the use of Sodium Nitrate RACS Corrosion Inhibitor
HSAR 93-005	9.2	9.2-41, -42, -46; T 9.2-6, T 9.2-7, T 9.2-6, T 9.2-8	Describes the Corrosion Control Methodology Used for the Chilled Water System
HSAR 93-006	13.1	13.1-33	Tech Spec Amendment #56; Clarifications to Unit Staff Qualifications
HSAR 93-008	8.3	T 8.3-11 (deleted)	Degraded Grid Voltage Analysis
HSAR 93-009	5.4	F 5.4-20	Reactor Water Clean-up System Filter Demineralization
HSAR 93-013	1.8	1.8-119, 1.8-120	Deletion of Commitment to Install a Category 1 System for Post-Accident Neutron Monitoring.
HSAR 93-014	7.3, 7.2, 3.1, 15.2, 15.9, 15A, 11.5	1.2-27; 3.1-27, 7.2-15, 16, 19, 7.3-24, 11.5-11, 12, 15.2-17, 15.9-66, 15-vi, xv, xvi, 15.5-18, 19, 20, 15A-1 thru 14, 19 thru 21, 24; T 7.2-1&2, 7.3-5, 11.5-2, 15.0-2, 6, 7, 8 15.9-41, 15.4.4	Eliminated the MSLRM Initiated Scram and MSIV/MSL Drain Valve Closure per Tech Spec Amendment 53 and DCP 4EC-3038
HSAR 93-021	11.4	11.4-7	Chemical Treatment of LWMS
HSAR 93-022	3.11	3.11-9, 10	Change to FSAR for safety & non-safety related mechanical equipment qualification.

Hope Creek UFSAR Changes

12/7/95

CN Number	Affected Sections	Affected Pages/Figures	Description
HSAR 93-023	9A	6A, T6.2-30, T9A-1, Pages 25 & 31, T9A-8, Pages 1 & 22, T9A-10, Pages 1, 2 & 7 Figure 6.2-29	Containment Atmosphere Control Valve Replacement
HSAR 93-024	9A, 6.2	T 9A-1, T 9A-10, T 9A-12, T 6.2-30	Reflects a change in combustible loading due to the replacement of isolation valves in the Containment Atmospheric Control System
HSAR 93-027	3.6	T3.6-22	Revises LPCI Injection Piping Stress Levels due to Snubber Reduction Program
HSAR 93-028	3.6	T3.6-14	Revises RCIC Piping Stress Levels due to Snubber Reduction Program
HSAR 93-029	9A	9A-25, SHT 4	UFSAR Table 9A-25 editorial changes.
HSAR 93-032	3.6	T3.6-23	Revises Core Spray Piping Stress Levels due to Snubber Reduction Program
HSAR 93-033	3.6	T3.6-22	Revises LPCI Injection Piping Stress Levels due to Snubber Reduction Program
HSAR 93-034	3.6	T3.6-10 F 3.6-15	Revises RWCU Piping Stress Levels due to Snubber Reduction Program
HSAR 93-035	3.6	T3.6-3, 3.6-17 F 3.6-27	Revises Main Steam Drain Piping Stress Levels due to Snubber Reduction Program
HSAR 93-038	9A	T9A-1, Page 15 of 55	Room 3418, 3419 Carpeting Fire Load Increase
HSAR 94-002	9.1	9.1-124, T 9.1-12 (2 of 9), T9.1-21	Lift of RPV Head Insulation Package using Kevlar Sling Arrangement and Polar Crane Auxiliary and Hook to reduce time spent in Reactor Cavity
HSAR 94-003	9.1	9.1-80 F 9.1-32, Sht 3 of 13, DWG P-0047	Expands Spent Fuel Pool (SFP) Slot Plug Laydown Area & Safe Load Path - Reactor Building Slab Equipment & Laydown Area @ EL. 201'-0"

Hope Creek UFSAR Changes

12/7/95

Page 5

CN Number	Affected Sections	Affected Pages/Figures	Description
HSAR 94-004	9.1	9.1-62 to 64, 71, 81, 84, 124, T 9.1-6, 12, 14, T 9.1-21 F 9.1-32 (11 of 13)	Allows the use of a Circular Nut Rack when Detensioning the RPV Head
HSAR 94-009	9.2	9.2-4	SSW Head Tank Function
HSAR 94-010	8.2, 8.3	8.2-11, 8.3-2, 8.3-7	External distribution system breaker arrangement
HSAR 94-014	9.5	9.5-37, 9.5-47	Reflects the Replacement of Adjustable Pressure Restricting Valves on Fire Hose Stations with Non-Pressure Reducing Glove Valves per DCP 4HE-0097, Pkg. 1
HSAR 94-015	9A	T9A-12 Sht 8 or 42, T9A-1 pg 32 of 55	Turbine Lube Oil
HSAR 94-018	9.5	9.5-28	Fire Pump Testing
HSAR 94-019	11.4	11.4-6	Liquid Radioactive Waste System Callizer
HSAR 94-020	1.8, 1.12, 1.15, 14.2	14.2-208, 1.8-157, 1.12-17 thru 20; new Section 1.15	SBO Incorporation
HSAR 94-022	5.4	5.4-46, 5.4-52 F5.4-13 Sht. 2, F6.3-12 Shts. 1,2,3	RHR Crosstie Flowpath
HSAR 94-023	1.10	1.10-59	Clarifies the Discussion Concerning the HPCI Torus Suction Isolation Valve to Maintain Consistency
HSAR 94-024	9.1	9.1-22, 9.1-25, 9.1-26 & 27, 9.1-29 & 30	Revises the Minimum Allowable Temperature in the Spent Fuel Pool to 40 degrees F
HSAR 94-025	1.10, 6.2	1.10-115, 6.2- 89,119,120,123,124,12 6; T 6.2-22, 1&2	Clarifies the Performance of Leakage Reduction Tests during CILRT
HSAR 94-027	9.1	T 3.2-1, T 9.1-4, 9.1-6, 9.1-14	Revise to include REM*Light Wet Transfer Equip per DCP 4EC-3410-01

Hope Creek UFSAR Changes

12/7/95

Page 6

<u>CN Number</u>	<u>Affected Sections</u>	<u>Affected Pages/Figures</u>	<u>Description</u>
HSAR 94-028	17.2	17.2-1, -42	Change Selected Oversight Practices of QA Organization to More Effectively Monitor Implementation of the Nuclear Department Procedure System
HSAR 94-029	1.8, 9.5	1.8-147, 9.5-118,121,125	Raises the Alarm Level and the Transfer Pump Start Level of the EDG Day Tanks per 4EC-3375
HSAR 94-030	12.2	T 12.2-133 (4 of 6)	Changed Extraction Steam Piping Specification per DCP 4EC-3344, Pkg. 6
HSAR 94-031	5.4	T 5.4-3	Correct the Minimum Available NPSH for the RWCU Main Cleanup Recirculation Pumps
HSAR 94-032	5.4	T 5.4-3	Correct the Shell Side Design Pressure for the Non-regenerative Heat Exchanger
HSAR 94-033	7, 7.1, 7.7	7.1-8,9,10, 7.7-34,35,36,37,38,39,40	Deleted section that discussed Sensing Line Failures concurrent with a Single Electrical Failure. Section is no longer applicable. Feedwater Control System was also revised. Changes made to reflect the Installation of the Digital Feedwater System
		DELETE F 7.7-7	
HSAR 94-035	7.1	7.1-23, Table 7.1-2, Page 2 of 3	Correct the revision date for R.G. 1.29 Rev 3
HSAR 94-036	9, 9A	9Aiii, 9A-85 thru 88, T 9A-103 and -104	Revises Structural Steel Fireproofing Plan and Deletes Tables with Redundant Information
HSAR 94-037	3.6, 9.2	9.2-8, -35, -51, T 3.6-28 and 9.2-9	Reflects Change to Maximum Ultimate Heat Sink Operability Temperature
HSAR 94-039	11.5	11.5-8,9,14	Modified the Plant Annunciator System Description by eliminating the Main Control Room Annunciators that are continuously alarmed
HSAR 94-041	9A	T 9A-15 Sht 7	Revises the FHA table for penetration seals in Room 3301A
HSAR 94-042	1.10	1.A.1.3, Pg 1.10-11	Clarify Shift Operations Shift Manning

Hope Creek UFSAR Changes

12/7/95

Page 7

CN Number	Affected Sections	Affected Pages/Figures	Description
HSAR 94-043	6.2	6.2-90, 6.2-119, 6.2-122, 6.2-123; T 6.2.22, Page 2, T 6.2-23	Clarify the Monitoring of the CRD Line Leakage Monitor during the CILRT
HSAR 94-044	9.5	9.5-79	Explain why a Dedicated Audible Fire Alarm System Is Not Provided
HSAR 94-046	11.2	11.2-10, T 11.2-10, Sheet 4 of 5	Organic Polymer Pleated Filter Elements to be used in the Liquid Radwaste Equipment Drain Filter per DCP 4EC-3344
HSAR 94-047	9A	T 9A-1; 9A-32 thru 9A-35	Clarify Cable Chase Combustible Loading
HSAR 95-002	1.2, 9.5, 11.4, 12.2, 12.3	T 9.5-2, T 9.5-3, T 12.2-145 F 1.2-1, F 2.4-9, F 2.4-25, F 3.4-3, F 3.5-1, F 3.5-17, F 3.5-18, F 3.5-19, F 9.5-15, F 11.4-new, F 12.3-new	Implements LLRSF per DCP 5EC-3030 Pkg. 1 CD P505 and DCP 5EC-3030 Pkg. 2 CD P509
HSAR 95-004	2.3	2.3-36, T 2.3-29	Reduce Level of Design Detail in UFSAR for Meteorological Instrumentation
HSAR 95-006	3.3	T 3.3-2, 2 of 2	Correct FRVS Location
HSAR 95-021	3.1, 13.1, 17.2	13.1-26, 13.1-27, 17.2-21	Tech Dept System Manager Title Change
HSAR 95-022	7.5	7.5-19; 7.5-21; 7.5-23	Tech Spec Amendment 73, Approval Relocation of Loose Parts Detection System from the Tech Specs to the UFSAR
HSAR 95-029	9.3	9.3-33	Deletes pressure value for nitrogen gas supply for Post Accident Sample Panel
HSAR 95-030	15 T.O.C., 15.1	15-ii, 15.1-19	Correct typo BWR to PWR.

Hope Creek UFSAR Changes

12/7/95

Page 8

<u>CN Number</u>	<u>Affected Sections</u>	<u>Affected Pages/Figures</u>	<u>Description</u>
HSAR 95-031	6.2, 6.3	6.2-127, T 6.2-16, T 6.2-24, T 6.2-25 F 6.2-27, F 6.2-45, F 6.2-46	Elimination of Type C Leak Rate Tests for CIVs in Certain Primary Containment Penetrations that Terminate Below the Minimum Water Level in Torus. Reclassifying HPCI and RCIC Turbine Exhaust Vacuum Breaker Network Associated with Cont. Pent. P204
HSAR 95-036	1.14	1.14-	Vessel Level Sensing Line Backfill
HSAR 95-047	6.3	6.3-	Surveillance Test Interval, Out-of-Service Times for ECCS, RCIC