



PECO NUCLEAR

A UNIT OF PECO ENERGY

Drew B. Feters
Vice President
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10CFR50.71(e)(4)
10CFR50.54(a)(3)

PECO Energy Company
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April 1, 1996

Docket Nos. 50-352
50-353

License Nos. NPF-39
NPF-85

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

SUBJECT: Limerick Generating Station, Units 1 and 2
Submittal of Revision 5 of the
Updated Final Safety Analysis Report

Dear Sirs:

In accordance with 10CFR50.71(e)(4) and 10CFR50.4(b)(6), this letter submits one (1) original and ten (10) copies of Revision 5 of the Updated Final Safety Analysis Report (UFSAR) for Limerick Generating Station (LGS), Units 1 and 2. The enclosed copies of Revision 5 are being provided to the NRC on a replacement page basis with a list of effective pages identifying the latest revision date of all current pages in accordance with 10CFR50.71(e)(1). In each revision package, we have also provided page replacement instructions for incorporating Revision 5 page changes into the LGS UFSAR. As required by 10CFR50.71(e)(5), each replacement page includes a bold vertical line in the margin adjacent to each area changed and the date of change is included on each page. Revision 5 reflects changes made up to a maximum of six months prior to this submittal in accordance with the requirements of 10CFR50.71(e)(4). As a result, the UFSAR Revision 5 package, has been made to reflect changes made to LGS, Units 1 and 2, under the provision of 10CFR50.59, at least up to October 1, 1995.

The enclosed UFSAR Revision 5 also contains the annual revision of the Quality Assurance (QA) Program Description which is being submitted in accordance with 10CFR50.54(a)(3). The updated QA Program Description (i.e., Section 17.2 of the UFSAR Revision 5) reflects editorial and organizational changes and those changes described in Attachment 1 as required by 10CFR50.54(a)(3)(ii) since the previous submittal. Based on the information provided in Attachment 1, we have concluded that the QA Program Description changes included in Revision 5 of the UFSAR do not reduce the commitments in the QA Program Description previously accepted by the NRC.

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As required by 10CFR50.71(e)(2)(i), I certify that to the best of my knowledge, Revision 5 of the UFSAR accurately reflects information and analyses submitted to the NRC, or prepared pursuant to NRC requirements as described above. In addition, as required by 10CFR50.71(e)(2)(ii), Attachment 2 to this letter identifies changes made under the provision of 10CFR50.59, and included in the enclosed Revision 5, but not previously submitted to the NRC.

If you have any questions or require further information, please contact us.

Very truly yours,

A handwritten signature in dark ink, appearing to read "T. T. Martin", with a large, stylized loop at the end.

Enclosure
Attachments

cc: T. T. Martin, Administrator, Region I, USNRC (w/attachments and enclosure)
N. S. Perry, USNRC Senior Resident Inspector, LGS (w/attachments and enclosure)

ATTACHMENT 1

PECO Energy Company Description Changes LGS UFSAR, Revision 5

<u>Paragraph No.</u>	<u>Description of Change</u>	<u>Change Classification</u>
17.2.1	Added wording related to lines of authority and responsibility from NQAP.	Editorial
17.2.1.2.3.1	Deleted Quality Support as an organizational unit.	Organizational
17.2.1.2.3.1	Deleted LQD responsibility for review/approval of Administrative Procedures.	Functional
17.2.1.2.3.1	Added reference to Independent Technical Review Program.	Organizational
17.2.1.2.3.1.2	Deleted QV receipt inspection responsibility.	Functional
17.2.1.2.3.1.3	Deleted Quality Support Section description.	Organizational
17.2.1.2.3.2	Replaced description of ISEG with description of Independent Technical Review Program.	Organizational
17.2.1.2.3.3	Added previous Quality Support responsibilities.	Functional
17.2.1.2.3.3.2	Deleted the Administration Section as an organizational unit.	Organizational
17.2.1.2.5	Added description of NRB previously addressed in UFSAR Section 13.4.3.	Editorial
17.2.2.8	Deleted wording related to NQA review of Administrative Procedures.	Functional
17.2.2.9	Revised to reflect change to one Dept. Trng. Coordinator and elimination of site training coordinators.	Functional
17.2.2.11	Delete NQA responsibility for review of Administrative Procedures.	Functional

<u>Paragraph No.</u>	<u>Description of Change</u>	<u>Change Classification</u>
17.2.2.16	Change "Superintendent" and "ISEG" to "Manager" and "Independent Technical Review Program".	Organizational
17.2.3.6.1	Added words on design verification previously addressed in NQAP.	Programmatic
17.2.5.4	Deleted wording related to NQA review of procedures.	Functional
17.2.5.10	Deleted wording related to NQA review of procedures.	Functional
17.2.5.11	Added wording regarding line organization review of Administrative procedures.	Functional
17.2.7.4.1/17.2.4.1.1	Adjustments made to indicate Receipt Inspection is responsibility of Materials Management.	Functional
17.2.15.2.1	Deleted wording regarding NQA review of Vendor Deviation Requests.	Functional
17.2.15.6	Deleted wording associated with NQA review of NCRs.	Functional
17.2.15.9	Added wording from NQAP regarding reinspection of items where previous inspections are invalidated.	Clarification
17.2.16.3	Deleted wording associated with NQA review of planned corrective action.	Functional
17.2.16.4.1	Revised to differentiate between line organization and NQA responsibility for review of corrective action effectiveness.	Functional
17.2.16.5 17.2.16.6	Eliminated wording requiring NQA concurrence for corrective action.	Functional
17.2.17.7	Added wording to address electronic method of records storage.	Programmatic
17.2.17.8	Added wording per NQAP to items (a) and (e)	Clarification
17.2.18.6	Paragraph revised to reflect NRC approved assessment frequency changes.	Programmatic

<u>Paragraph No.</u>	<u>Description of Change</u>	<u>Change Classification</u>
17.2.18.9	Wording change related to NQA assessments and surveillances of corrective action effectiveness.	Clarification
Appendix 17.2.II	Added exception to permit an alternate to the use of space heaters for stored electronic equipment. Added exception to RG 1.144/ANSI N45.2.12	Programmatic

10CFR50.71(e)(2)(ii) requires that revisions to the UFSAR include changes made under the provisions of 10CFR50.59, but not previously submitted to the NRC. Accordingly, the list below identifies those plant modifications and projects included in Revision 5 of the Limerick Generating Station, Units 1 and 2, Updated Final Safety Analysis Report (UFSAR). The list does not represent a complete list of UFSAR change packages incorporated into Revision 5.

<u>Modification Number</u>	<u>Unit Number</u>	<u>Description</u>
M-5711	1	Modify Raw Water Turbidity System.
M-5983	1 & 2	Installation of Deep Bed Demineralizers.
M-6185	1 & 2	Improve Control Enclosure Chiller Cold Weather Operation.
M-6208	1 & 2	Storage Area for Low-Level Radwaste (LLRW) and Reusable Contaminated Waste.
M-6148	1 & 2	Chemistry Laboratory Expansion.
M-6231	1 & 2	Add Third Toxic Gas Analyzer.
M-6103	1 & 2	Replace the AT&T Dimension 2000 Telephone Switch (PBX).
M-6219	1 & 2	Upgrade the Existing Domestic Water System to Conform with Local, State, and Federal Guidelines.
M-8016	1 & 2	Modify the West End Facility to Accommodate Testing, Storage, Issue Areas, and Card Readers and Frisking Equipment.
P-00132	1 & 2	Continuous Backfill for Reactor Pressure Vessel Instrumentation Reference Legs.
M-6198	1 & 2	Remove the Automatic Reactor Trip and Valve Closure from Main Steam Line Radiation Monitor Trip Signals.
P-00158	1 & 2	Replace the Seismic Monitoring System.
P-166 P-167 P-168	1 & 2	Install piping and Valves in the Common Emergency Service Water (ESW) System and Residual Heat Removal (RHR) System to Allow Maintenance to be Performed with the Other Loops Remaining Operable.
P-00017	1 & 2	Remove the Main Steam Isolation Valve (MSIV) Leakage Control System.

<u>Modification Number</u>	<u>Unit Number</u>	<u>Description</u>
P-0140	1 & 2	Improve Seating and Leakage Rate Reliability of the Main Steam Isolation Valves.
P-00208	1 & 2	Relocate the High Reactor Pressure Alarm Pressure Switch from the Wide Range Reactor Pressure Instrumentation Loop to the Narrow Range Reactor Pressure Instrumentation Loop.
P-0006	1 & 2	Enhance the Communication System for the Outboard MSIV Room and Provide Antenna Coverage for the Condenser/Moisture Separator Rooms.
P-00279	1 & 2	Provide Uninterruptable Power Supplies to Selected Feedwater Control Circuits.
P-00212	1 & 2	Delete the Safety-Related Requirement for HPCI and RCIC Compartment Unit Cooler Function.
Mod 6090	1 & 2	Maximum Extended Load Line Limit Analysis (MELLLA) and Average Power Range Monitor, Rod Block Monitor, and Technical Specifications Improvement (ARTS) Program.
Project 8221	1 & 2	Power Rate of the Units (5% Increase of Maximum Rated Thermal Power).
Mod 6118	1 & 2	Spent Fuel Pool Reracking
P-00197	1 & 2	Replace Bently-Nevada Vibration Monitoring System.
P-00383	1 & 2	Pressure Compensation for Fuel Zone Water Level.
94-05511	1 & 2	Remove Radwaste Hydraulic Press 00S324.
94-06388	1 & 2	Install External Piping Bypass on HV-051-1F017D (RHR System) to Eliminate Susceptibility to Pressure Locking.
94-06391 94-06615	1 & 2	Install External Piping Bypass on HV-052-1F037 and HV-052-2F037 (Core Spray, Safeguard Piping Fill, Suppression Pool Cleanup System) to Eliminate Susceptibility Locking.
94-06621	1 & 2	Install External Bypass Piping on HV-049-2F013 (RCIC System) to Eliminate Susceptibility to Pressure Locking.

<u>Modification Number</u>	<u>Unit Number</u>	<u>Description</u>
94-08179	1 & 2	Install Quick Disconnect Fittings on N ₂ Charging System for HCU's.
94-09998	1 & 2	Allow Use of New Reactor Vessel Head Stud Tensioner Carousel Assembly.
94-10598	1 & 2	Permanently Modify Hot Shop HVAC to Maintain the Decon Enclosure at a Negative Pressure.
94-10875	1 & 2	Remove HP Issue Cage in Area 3 (Elev. 239').
94-11818	1 & 2	Purchase new GE Main Steam Line Plugs.
95-01557	1 & 2	Remove Check Valves 057-V-11 and 057-V-21 (Containment Atmosphere Control System) and Replace with Piping. The Valve Internals Were Permanently Removed.
95-02343	1 & 2	Replace Thermal Overload Trip on Fan OQ-V522.