

May 13, 1992

Docket Nos. 50-498  
and 50-499

Mr. Donald P. Hall  
Group Vice President, Nuclear  
Houston Lighting & Power Company  
P.O. Box 1700  
Houston, Texas 77251

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Dear Mr. Hall:

SUBJECT: DOCUMENTATION REQUEST TO SUPPORT THE SOUTH TEXAS PROJECT, UNITS 1  
AND 2 SERVICE WATER SYSTEM OPERATIONAL PERFORMANCE INSPECTION

The NRC plans to conduct a pilot service water system operational performance inspection (SWSOPI) of the South Texas Project, Units 1 and 2 during the weeks of June 22 and July 6, 1992. This inspection will assess the design, operation, maintenance, surveillance, and quality assurance and corrective actions associated with the South Texas service water system. The team will also assess your planned and completed actions in response to Generic Letter (GL) 89-13, "Service Water System Problems Affecting Safety-Related Equipment." In order to support this effort, the team requests that certain documentation be made available during a pre-inspection site visit scheduled for June 8-10, 1992, as listed in the enclosure.

The NRC has found that overview presentations directed to the entire team are an efficient means, for both the team and licensee, to communicate information relevant to the inspection. To this end, we request that your staff provide informal presentations during the team's June 8-10, 1992 site visit describing the service water system design and operations, significant system modifications, actions in response to GL 89-13, and the history of system problems.

If there are any questions regarding the information requested or the inspection itself, please feel free to contact the Team Leader, Peter S. Koltay, at (301) 504-2991.

Sincerely,

William D. Reckley for  
George F. Dick, Senior Project Manager  
Project Directorate IV-2  
Division of Reactor Projects - III, IV, V  
Office of Nuclear Reactor Regulation

Enclosure:  
Information Request

cc w/enclosure:  
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Mr. Donald P. Hall

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May 13, 1992

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Information Request to Support  
the Service Water System Operational  
Performance Inspection (SWSOPI) at South Texas

Design:

1. Design basis and other design documents (procurement specifications of all equipment such as pumps, heat exchangers, valves, orifices, etc.; significant design changes with associated documentation; thermal and hydraulic calculations and analyses; summary of normal and accident heat load input to the service water system (SWS)).
2. Certified pump curves (witnessed test curves).
3. Cross-sectional drawings of major equipment such as pumps and heat exchangers.
4. P&IDs of the SWS, its lube water system, and other interconnected and auxiliary systems.
5. Licensing requirements and commitments, if not already included in the FSAR.
6. Analyses supporting single active failure adequacy.
7. Flow data for system components and heat transfer data for heat exchangers/coolers for various modes.
8. Water hammer/surge pressure protection information.
9. A list of modifications to the SWS.
10. All relevant documentation, analyses, implementation procedures, inspection results, etc. credited for satisfying the actions requested by Generic Letter 89-13 in the design area.

Operations:

1. SWS (including ultimate heat sink, traveling screens, etc.) training information for licensed/non-licensed operators including lesson plans, training text, handout material, task performance measures, etc. covering system alignment, operation, and abnormal condition and emergency response.
2. SWS operating procedures (including ultimate heat sink, traveling screens, etc.) for system alignment, operation, and abnormal condition or emergency response.
3. SWS alarm response procedures, i.e., those procedures for evaluating and responding to control room or local alarms which may lead into item 2 procedures.

4. All relevant documentation, analyses, implementing procedures, inspection results, etc. credited for satisfying the actions requested by Generic Letter 89-13 in the operations area.

#### Maintenance:

1. Preventive and corrective maintenance procedures for the SWS, its components, related instrumentation, and power supplies.
2. Vendor manuals related to the previous item.
3. Maintenance history of selected components (list to be provided) for the last two years.
4. SWS training information for maintenance personnel including lesson plans, training text, handout material, task performance measures, etc. covering training and qualification for skills used in maintaining the system (including ultimate heat sink, traveling screens, etc.).
5. A listing of the SWS maintenance backlog.
6. A listing of all SWS maintenance activities scheduled during the inspection period.
7. Implementing procedures and trending information associated with the ASME Section XI inservice testing program for SWS pumps and valves.
8. Copies of LCO logs from January 1989 through October 1991 or other relevant information that would provide information on system and SWS component unavailability.
9. All relevant documentation, analyses, implementing procedures, inspection results, etc. that are credited for satisfying the actions requested by Generic Letter 89-13 in the maintenance area.

#### Surveillance and Testing:

1. A copy of the completed preoperational test procedure, or a copy of any subsequent completed test procedure that may have superseded the preoperational test.
2. The most recent copy of completed Technical Specification procedures, including the integrated ESF test if applicable.
3. A comprehensive listing of programs and procedures that the licensee credits for maintaining the condition and demonstrating the operability of the SWS (e.g., periodic inspection programs for biofouling, silting, corrosion, etc.).
4. A listing of overdue SWS scheduled surveillance tasks.

5. A listing of all SWS surveillance activities scheduled during the inspection period.
6. All relevant documentation, analyses, implementing procedures, inspection results, etc. that are credited for satisfying the actions requested by GL 89-13 in the surveillance area.

QA/Corrective Actions:

1. Plant on-site review committee and offsite safety review committee meeting minutes for the past six months.
2. A list of all SWS items in the open item tracking system.
3. NPRDS reports, 10 CFR 50.72 and 10 CFR 50.73 reports, enforcements, and nonconformance reports related to the SWS.
4. Licensee quality verification activities related to the SWS (i.e., technical audits).
5. A listing of all SWS deficiencies (i.e., deficiency logs).