

# The Light company

Houston Lighting & Power P.O. Box 1700 Houston, Texas 77001 (713) 228-9211

April 19, 1982  
ST-HL-AE-816  
SFN: C-0630/C-0510

Mr. Robert L. Tedesco  
Assistant Director for Licensing  
Division of Licensing  
Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Tedesco:

South Texas Project  
Units 1 & 2  
Docket Nos. STN 50-498. STN 50-499  
Long Term Operability  
of Deep Draft Pumps



By letter dated March 17, 1982, your office submitted to Houston Lighting & Power Company (HL&P) some guidelines regarding the demonstration of operability of deep draft pumps. In addition, HL&P was requested to provide a schedule indicating when a response, in the form of an amendment to Final Safety Analysis Report (FSAR) Section 3.9.3, will be provided that discusses HL&P's assurance program for demonstrating long term operability of the deep draft pumps utilized on the South Texas Project (STP) and the extent to which STP conforms to the various provisions of the guidelines.

HL&P and our architect-engineer, Bechtel Power Corporation (BPC), have reviewed the information contained in your letter and compared this information against HL&P's previous response to NRC Inspection & Enforcement (IE) Bulletin 79-15, "Deep Draft Pump Deficiencies." We have concluded that, in light of the NRC guidance document, there are no deep draft pumps that fall into the 30 to 60 feet description in the guideline. This assumes the pump as being measured from the top of the coupling housing to the bottom of the suction bell (it should be emphasized that typically the driver or motor is not considered as being integral with the pump). Based upon this interpretation, the pumps utilized on STP range from 21 to 27 feet in length.

As previously stated in our response to the subject Bulletin, there are no vertical turbine (deep draft) safety related pumps manufactured by Ingersoll-Rand, Bingham - Willamette or Byron Jackson utilized on STP.

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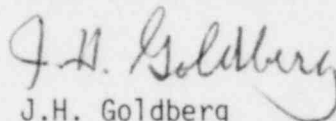
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Our architect-engineer will incorporate the NRC guidelines into their transition phase activities and will, as necessary, recommend that those procedural or testing requirements which will provide added assurance that the subject pumps will perform their intended functions be incorporated as a result of their review. This review will be completed such that any additional requirements can be identified and any necessary amendment to the FSAR completed no later than 18 months prior to fuel load.

If you should have any questions concerning this item, please contact Mr. Michael E. Powell at (713) 877-3281.

Very truly yours,



J.H. Goldberg  
Vice President  
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