

# The Light company

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

July 5, 1985  
ST-HL-AE-1294  
File No.: G7.3

Mr. George W. Knighton, Chief  
Licensing Branch No. 3  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

South Texas Project  
Units 1 & 2  
Docket Nos. STN 50-498, STN 50-499  
Final Environmental Statement - Construction Permit Stage  
Entrainment Monitoring Program

Dear Mr. Knighton:

As specified in Section 6.1.3.2 of the STP FES-CP, Houston Lighting & Power Company (HL&P) is to conduct an entrainment monitoring program during filling of the main cooling reservoir. A detailed description of this program is presented in Appendix E of the FES-CP, page E-4. Section b., entitled Sampling Stations, specifies that a sampling station be established in the siltation basin. This location does not lend itself to collection of meaningful or representative entrainment samples. The basin is too small to tow a plankton net in and efforts to collect meaningful samples by means of a pump have not been successful.

HL&P proposes, therefore, to abandon this station and to collect entrainment samples directly from the water mass flowing into the main cooling reservoir. This will be accomplished by means of a 4-inch tap line on each of the 108-inch conduits that convey water from the pumping station to the main cooling reservoir. Samples collected at this proposed location will accurately reflect entrainment associated with lake filling. This proposed change was discussed with Dr. Charles Billups of the NRC staff during the NRC environmental site visit on May 2, 1985. Dr. Billups observed the siltation basin at that time and understands the many problems associated with trying to collect samples for entrainment analysis at this location. Dr. Billups indicated that the relocation of the sampling point would satisfy the intent of the FES-CP requirement for a station in the siltation basin.

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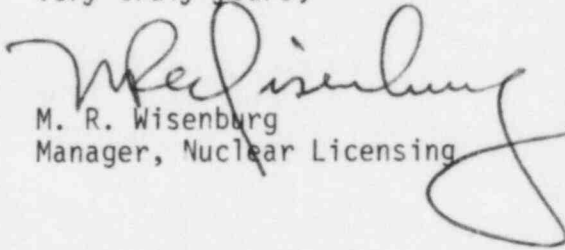
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HL&P requests NRC review and approval of this sampling location modification within 30 days. Please contact Dr. F. G. Schlicht at (713) 922-2188 or Mr. S. S. Davies at (713) 922-2196 with regard to any questions.

Very truly yours,



M. R. Wisenburg  
Manager, Nuclear Licensing

SSD/as

cc:

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