



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JAN 20 1987

Docket Nos.: 50-498
and 50-499

Mr. J. H. Goldbera
Group Vice President, Nuclear
Houston Lighting & Power Company
P.O. Box 1700
Houston, Texas 77001

Dear Mr. Goldbera:

SUBJECT: FOG MONITORING PROGRAM AT THE SOUTH TEXAS PROJECT (STP)

In the Draft Environmental Statement (NUREG-1171) published in March 1986 the staff reported that STP had an acceptable Fog Monitoring Program. In subsequent comments to NRC, your staff described implementation of the program, which was found unacceptable in the Final Environmental Statement published in August, 1986. A fog monitoring program is needed to verify your estimates that operation of the cooling reservoir which was predicted to result in an additional 34 hours per year of ground level fogging are not likely to be greatly exceeded on a road FM-521 near the northwest edge of the reservoir.

By letter dated October 24, 1986 to V. Noonan, your staff has documented discussion with P. Kadambi and L. Brown of the NRC staff of a revised fog monitoring program for STP. As described, the monitoring program will be conducted in two phases. Phase I would begin in December 1986 and continue for one year. Fog monitoring will be accomplished by operation of two fog visimeters. One visimeter will be located on road FM-521 approximately one mile northwest of the Units. A second visimeter will be located approximately 11 miles west-southwest of the site and will serve as a control location. The visimeters will provide a continuous data record for the monitoring periods. STP will develop and implement appropriate visimeter operation and maintenance procedures.

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A PDR

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Houston Lighting and Power Company

South Texas Project

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The proposed program should result in an adequate data base to enable the NRC staff to determine the frequency and intensity of ground fog induced by plant operation. On the basis of this evaluation, the staff can determine the need for continued monitoring and/or mitigating actions to lessen the atmospheric impact of plant operation.

It is requested that you provide a commitment in writing that the results of the pre-operational and operational monitoring program for fog monitoring will be submitted within 60 days after they are available. If you have any questions, please call the Project Manager, Dr. Prasad Kadambi at (301) 492-7272.

/s/

Vincent S. Noonan, Director
PWR Project Directorate No. 5
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cc: See next page

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