

# The Light company

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

February 22, 1985

ST-HL-AE-1190

File No.: G3.16

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  
Request for Additional Information  
Regarding the South Texas Project  
Environmental Report - Units 1 & 2

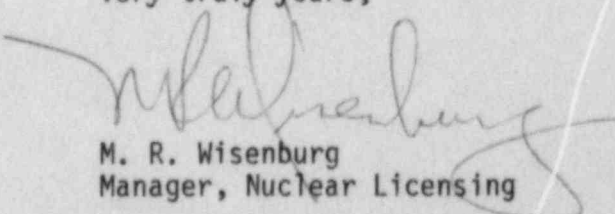
Dear Mr. Knighton:

On January 29, 1985 Houston Lighting & Power (HL&P) received your request for additional information regarding the South Texas Project Environmental Report (ER-OL). HL&P subsequently committed to provide the information by February 22, 1985. Enclosed is our response to that request.

Attached please find responses to Site Analysis Branch (SAB) questions 310.1 through 310.10.

If you should have any questions on this matter, please contact Mr. M. E. Powell at (713) 993-1328.

Very truly yours,

  
M. R. Wisenburg  
Manager, Nuclear Licensing

JSP/yd  
Attachment

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Houston Lighting & Power Company  
cc:

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Office of the Secretary  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

South Texas Project  
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Question 310.1

Provide a description of changes in the station's external appearance or layout which have been made subsequent to the description provided in Chapter 3 of the CP-FES.

Response

A current description of the station's external appearance and layout is provided in Chapter 3 of the ER-OL. No significant changes in either station appearance or layout have occurred since publication of the CP-FES. As noted in Chapter 2 of the ER-OL, an HVDC terminal will be operated on a 17-acre tract inside the exclusion areas. In addition, an Emergency Operations Facility (EOF) and a Training Facility have been located approximately 3/4 mile east of the Units on the main plant entrance road. Both facilities are located in one 43,000 square-foot single story structure constructed of neutral-colored textured concrete blocks. The EOF will be staffed only during emergency situations. A staff of 55 persons will be maintained at the Training Facility. ER-OL Section 2.1 will be amended to include a description of these facilities.

Question 310.2

Chapter 8 of the ER-OL indicates that 252 employees are anticipated for operation of South Texas Project. Is this an estimate of the average annual number of workers that will be required during operation of the two units? If this total does not include contractor employees, please provide an estimate of such employees.

Response

Total STP staff during operations is expected to be approximately 1,334 workers. Of this total, approximately 500 workers are contract employees on site during unit outages.

Question 310.3

Identify the likely residential location (i.e., names of communities, counties) of the operating workers. Identify any anticipated impacts on the affected communities' facilities and services (i.e., schools, hospitals, water and waste

treatment, fire, police) that would result from the workers residence. List facilities and services that would require expansion or additions to capacity. Provide the same information for any STP plant demands on community services.

Response

The majority of the operating workers are expected to reside in Matagorda and surrounding counties (includes Calhoun, Jackson, Wharton, Fort Bend, and Brazoria Counties). Of those workers residing in Matagorda County, the majority are expected to reside in either Bay City or Palacios. Since local community facilities and services have adequately accommodated the STP construction workforce, which is significantly larger than the maximum operational workforce, no significant impacts on these facilities and services from the operating workers are expected. Also, no expansion or additions to facilities and services are anticipated due to the operating workers. Operation of the STP plant is not expected to place any demands on community services.

Question 310.4

Provide an estimate of the average annual workers payroll for the two units (give the year in which the dollars are stated).

Response

The average annual worker payroll for both units is expected to be approximately \$63 million (in 1989 dollars).

Question 310.5

Provide an estimate of the average annual dollar amount of local purchases of materials, and supplies resulting from the operation of the two units. Include a definition of the local area in preparing the estimate (i.e., counties, major towns, SMSA). Give the year in which the dollars are stated.

Response

The applicant estimates that approximately \$700,000 (in 1991 dollars) will be spent annually on local purchases of materials and supplies. The majority of these purchases are expected to occur in Brazoria, Harris, Matagorda, Calhoun and Wharton counties.

Question 310.6

With reference to Table 8.1-7 in the ER-OL, provide in tabular form a dollar estimate of the taxes attributable to the two units of STP. For each of the units first full five years of operation, provide the dollar estimates by type of tax and by taxing jurisdictions (excluding Federal taxes). With reference to Table 8.1-9 in the ER-OL, provide the taxes attributable to STP operation.

Response

Table 8.1-7 has been amended (Amendment #7) to provide the requested tax payment information, by taxing jurisdiction, for all years of operation. The percentages shown in Table 8.1-9 represent the percent of total tax revenue attributable to STP for each jurisdiction for ad valorem taxes only. Several of these jurisdictions may have other minor sources of revenue; therefore, the percentages represent maximum contributions attributable to STP.

Question 310.7

Identify any places where traffic congestions or problems of interference with patterns of local traffic may be anticipated due to plant operation or maintenance. Discuss anticipated measures that would be undertaken to alleviate such possible situations.

Response

No significant traffic problems are anticipated due to plant operation or maintenance. The recent completion of FM-1468 from Buckeye to FM-521 (see ER-OL Figure 2.1-2) should further minimize the likelihood of any traffic congestion.

Question 310.8

With reference to Section 2.3 in the ER-OL, identify any impacts to cultural resources (sites in or eligible for the National Register of Historic Places) which could potentially result from the operation and maintenance activities related to the plant and transmission lines. Update the information on cultural resources activities since the CP-FES.

Response

There are no known impacts to sites in or eligible for registry in the National Register of Historic Places which could potentially result from operation and maintenance activities related to the plant and transmission lines. Cultural resource activity since the CP-FES has been limited to a study involving transmission line route modifications described in ER-OL Section 3.9.1. Field surveys of the STP-Blessing and Tie Point-Holman segments were conducted by the Texas Archeological Survey (TAS). The TAS study concluded that construction of these segments would have no adverse impact on identifiable cultural resources. These route modifications were reviewed by the Texas Historical Commission, which concluded that the modifications would not affect properties listed on or eligible for listing on the National Register of Historic Places (see attached letter, dated August 24, 1984).

Question 310.9

Provide copies of any correspondence with the State Historic Preservation Office or other entities relating to any potential operating impacts of the plant and transmission lines on cultural resources in or eligible for the National Register.

Response

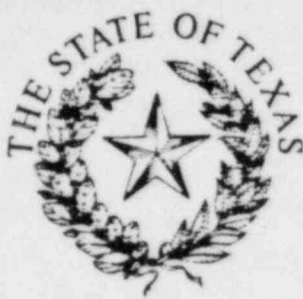
Please see response to Question 310.8. Additional correspondence is presented in Appendix C of the CP-FES and on page D2.3-45 of the ER-CP.

Question 310.10

The methodology used to obtain the 1970 demographic information presented in the original Section 2.2 is discussed in Section 6.1.4.2.1. However, since the base information in Section 2 has been updated to 1980, the methodology should also be updated. Updating this data should provide some of the population figures that are missing in Table 2.2-1.

Response

The information presented in Section 6.1.4.2.1 describes methodology used in collecting baseline demographic data and is retained in the ER-OL for historic purposes. Updated demographic information, along with methodology used, is presented in Section 2.2.1. Table 2.2-1 (Amendment 7) has been updated to the extent possible with available information.



CURTIS TUNNELL  
EXECUTIVE DIRECTOR

File ST-Archaeology  
-Trans Line

RECORDED

AUG 30 1984

COMMUNICATIONS  
SECTION

# TEXAS HISTORICAL COMMISSION

P.O. BOX 12276

AUSTIN, TEXAS 78711

(512) 475-3092

August 24, 1984

R.W. Lawhn, Manager  
Environmental Planning & Assessment  
The Light Company  
Houston Lighting & Power  
P.O. Box 1700  
Houston, Texas 77001

Re: Modified Transmission  
Line Facilities (Danevang  
Tie Point to Holman and  
Lon Hill to Blessing)  
South Texas Project (B-2,  
NRC)

Dear Mr. Lawhn:

As requested in your August 6, 1984 letter, we have reviewed the above referenced transmission line modifications. Based on the information you provided and information in our files we conclude that these modified facilities will not affect properties listed or eligible for listing on the National Register of Historic Places.

If we can be of further assistance, please contact Nancy Kenmotsu (512/475/3057) of my staff.

Sincerely,

LaVerne Herrington, Ph.D.  
Deputy  
State Historic Preservation  
Officer

NK/LH/wb