

# The Light company

Houston Lighting & Power

South Texas Project Electric Generating Station P. O. Box 289 Wadsworth, Texas 77483

June 23, 1992

ST-HL-AE-4126

File No.: G03.08

10CFR50.54(f)

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

South Texas Project  
Units 1 and 2  
Docket Nos. STN 50-498, STN 50-499  
Revised Response to NRC Generic Letter 89-13,  
"Service Water System Problems Affecting  
Safety-Related Equipment"

Reference: Correspondence from G. E. Vaughn, HL&P to NRC  
Document Control Desk dated January 29, 1990  
(ST-HL-AE-3341)

Houston Lighting & Power Company (HL&P) submits this letter to revise the above referenced response to NRC Generic Letter 89-13 for South Texas Project Units 1 and 2. Under Recommended Action I of the Generic Letter, HL&P was to implement and maintain an ongoing program of surveillance and control techniques to significantly reduce the incidence of flow blockage problems as a result of biofouling of the Essential Cooling Water System (ECW). Included in the response was a statement that "scaling and corrosion inhibitors are also added to the ECW." HL&P considers the addition of corrosion inhibitors to the ECW system an option and has discontinued this treatment.

Use of corrosion inhibitors was discontinued because operational experience has shown that the corrosion rate without inhibitors has no impact on the design life of the ECW system. Without the inhibitors, the corrosion rate is 0.6 mil/year compared to <0.1 mil/year with the inhibitor. Assuming 40 years of service life, this will not result in corrosion exceeding the design level of 40 mils.

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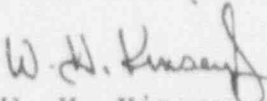
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Houston Lighting & Power Company  
South Texas Project Electric Generating Station

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If there are any questions, please contact either  
Mr. P. L. Walker at (512) 972-8392 or me at (512) 972-7921.

  
W. H. Kinsey, Jr.  
Vice President,  
Nuclear Generation

PLW/ag

Houston Lighting & Power Company  
South Texas Project Electric Generating Station

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cc:

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Revised 10/11/91

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UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter )

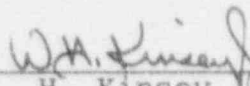
Houston Lighting & Power )  
Company, et al., )

Docket Nos. 50-498  
50-499

South Texas Project )  
Unit 1 and 2 )

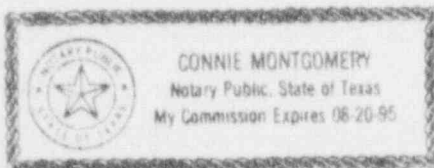
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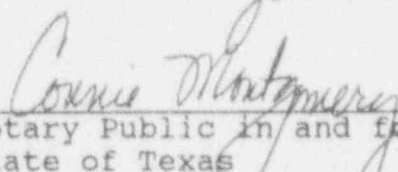
W. H. Kinsey being duly sworn, hereby deposes and says that he is Vice President, Nuclear Operations of Houston Lighting & Power Company; that he is duly authorized to sign and file with the Nuclear Regulatory Commission the attached revised response to NRC Generic Letter 89-013, "Service Water System Problems Affecting Safety-Related Equipment"; is familiar with the content thereof; and that the matters set forth therein are true and correct to the best of his knowledge and belief.

  
\_\_\_\_\_  
W. H. Kinsey, Jr.  
Vice President,  
Nuclear Generation

STATE OF TEXAS )  
 )  
COUNTY OF MATAGORDA )

Subscribed and sworn to before me, a Notary Public in and for The State of Texas this 23rd day of June, 1992.



  
\_\_\_\_\_  
Notary Public in and for the  
State of Texas