

DEC 15 1981

MEMORANDUM FOR: Commissioner Peter A. Bradford

FROM: William J. Dircks, Executive Director for Operations

SUBJECT: CHRONOLOGY RELATED TO THE QUADREX REPORT ON SOUTH TEXAS

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The enclosure provides the chronology relating to the Quadrex report. The chronology is based on interviews with cognizant individuals and correspondence. As shown in the chronology, the NRR Project Manager was aware of the study almost from the beginning, and was aware of its completion in early May. The major findings of the report were not made known to the NRC until August 19, 1981, when a regional investigator and inspector, during investigation of an unrelated matter, requested access to various audits performed by Houston Light & Power (HL&P) and their contractors. The Quadrex report was provided as part of the material requested. The regional office notified Mr. DeYoung and Mr. Case of their review of the report on August 27, 1981. On September 28, 1981, HL&P notified the ASLB of the report, and the Board received the report on October 6, 1981.

It appears that HL&P did indeed keep the NRC informed concerning the study, but the potential significance of the findings was not made known in a timely fashion. Once the potential significance was known, the staff met its obligations to keep the Board and Commission informed. It should be noted that the real significance of the Quadrex review and findings are still not known. The licensee and their new architect/engineer, the Bechtel Corporation, are reviewing the matters raised in the report with the Quadrex personnel who performed the review, and will then apply their understanding of these findings to their overall review of the South Texas Project.

The regional office intends to ensure that the findings in the Quadrex report have been appropriately considered by Bechtel and HL&P prior to resumption of construction activities at the plant site.

(Signed) William J. Dircks

William J. Dircks  
Executive Director for Operations

cc w/enclosure:

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Commissioner Gilinsky  
Commissioner Ahearne  
Commissioner Roberts  
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CCANP 138

NUCLEAR REGULATORY COMMISSION  
In the matter of STN 50-49604  
Docket No. BEAP 138  
Exhibit 1  
Applicant 1  
Contractor 1  
Contractor's EIT 1  
Report 1873  
DATE 8/19/81  
WITNESS [Signature]  
RECEIVED ✓  
REJECTED ✓

# Chronological List of Events

Jan/Feb 1981	Goldberg (VP, HL&P) told Sells (NRR Project Manager) HL&P hired Quadrex to conduct "Independent Review of Design Status"
April 21, 1981	Goldberg told Sells, as a result of Quadrex, there will be some 50.55(e) reports and Quadrex report will be completed in May 81 and Sells could see it.
Late April 1981	Sells told Mr. Hall (IE Section Chief) that HL&P had "Independent Design Status Review", that report would be completed in May and to expect some 50.55(e) reports.
Week of May 12, 1981	Goldberg told Sells Quadrex was completed and HL&P was reviewing it and NRC Region IV was notified of three possible 50.55(e) items.
May 13-14, 1981	Sells told Shannon Phillips (Resident Inspector, S. Texas) that HL&P was going to make Quadrex available to him (Sells).
May 1981	On May 8, 1981, Mike Powell (Project Engineer, HL&P) notified Region IV (Mr. Crossman) of three possible 50.55(e) items. (No mention of Quadrex.)
August 19, 1981	Phillips and Herr (Investigator, Region IV) saw "Quadrex" report during investigation 81-28.
August 27 1981	Hale (Staff, Region IV) became aware of Quadrex audit.
August 27, 1981	Collins (Deputy Regional Director, Region IV) contacted Mr. Oprea (Sr. VP, HL&P) and requested unrestricted review of Quadrex. Oprea concurred and Collins told Oprea that he is sending a RIV inspector to review report. Also, Mr. Oprea offered to come to RIV to conduct an overview of the finding of Quadrex on September 8, 1981. Collins also encouraged Oprea to advise ASLB Board of the existence of the Quadrex report. Also, Collins notified Mr. DeYoung, NRC HQ, and Mr. Case, NRC NRR. Collins told them he was not taking any additional action until September 8, 1981.
August 31 - September 3, 1981	Hale reviewed Quadrex at RRI office at STP.
September 4, 1981	Hale briefed Region IV personnel (Seyfrit, Collins & staff) <ul style="list-style-type: none"> <li>a. Quadrex was general in nature in that many potential items existed.</li> <li>b. Quadrex did not appear to identify any significant items not already known to NRC.</li> <li>c. Apparent that construction was leading engineering.</li> </ul>

September 8, 1981 HL&P presented overview of Quadrex to NRC RIV.

September 14, 1981 (approx) E. Reis (ELD) advised applicants' attorneys that they should provide the Quadrex report to the Hearing Board.

September 28, 1981 Letter sent to ASLB Board telling them that Quadrex report existed and would be forthcoming. (Received October 6, 1981.)

October 15, 1981 Region IV received Quadrex report from D. E. Sells, Project Manager.