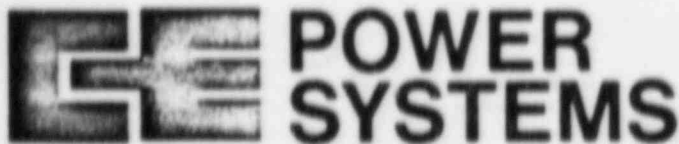


REPORT NUMBER CENC - 1332
SUBJECT CATEGORY:
"ANALYTICAL REPORT"

ENGINEERING

COMBUSTION ENGINEERING, INC.
NUCLEAR COMPONENTS ENGINEERING DEPARTMENT
C.E. CONTRACT NO. 11073

ADDENDUM 1
TO
ANALYTICAL REPORT
FOR
SOUTH TEXAS PROJECT NO. 1
HOUSTON LIGHTING AND POWER COMPANY



COMBUSTION ENGINEERING, INC.

Nuclear Components Department

CHATTANOOGA, TENNESSEE, U.S.A.

C. FRENCH
J. CHARNESKI

JUNE 1978

B507260576 B50715
PDR ADOCK 0500049B
A PDR

THIS DOCUMENT IS THE PROPERTY OF
COMBUSTION ENGINEERING, INC., WINDSOR, CONNECTICUT,
AND IS NOT TO BE REPRODUCED, OR USED TO FURNISH ANY
INFORMATION FOR MAKING OF DRAWINGS OR APPARATUS EXCEPT
WHERE PROVIDED FOR BY AGREEMENT WITH SAID COMPANY.

TABLE OF CONTENTS

I	INTRODUCTION	2
II	SCOPE	2
III	SIGNIFICANT RESULTS	2
IV	APPENDICES	
	A. Structural Analysis	A-1
	B. Thermal Analysis	B-1

ABSTRACT

The structural integrity of the Houston Lighting and Power Company, South Texas Project No. 1 Reactor Vessel, C.E. Contract 11073 is established in this report. The vessel is designed in accordance with the requirements of the Westinghouse Equipment Specification No. 952545, Rev. 0* dated June 1, 1977 and the 1971 Edition of Section III of the ASME Code with Addenda through the Summer of 1973 and Code Case N-52 (1605). All requirements are satisfied. Plus Interim E-Specs No. 1 thru 4.

PREPARED BY

Carl G. French
C. French
Supervisor

J. J. Charneski
J. J. Charneski
Thermal Engineer

CHECKED BY

Michael Basol
M. Basol
Structural Engineer

J. R. Schwall
J. R. Schwall
Thermal Engineer

REVIEWED BY

T. C. Watson
T. C. Watson
Section Manager

D. W. Vroom
D. W. Vroom
Supervisor Thermal

APPROVED BY

F. P. Hill, Jr.
F. P. Hill, Jr.
Manager, Mechanical Department



It is hereby certified that the components described in this Analytical Report have been properly and completely reconciled with the requirements of the ASME Boiler and Pressure Vessel Code, Section III, and this certification is provided as required by Paragraph NA-3356 of said ASME Code, Section III.

(g)