

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of

HOUSTON LIGHTING & POWER
COMPANY

(Allens Creek Nuclear
Generating Station, Unit
No. 1)

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Docket No. 50-466

APPLICANT'S RESPONSE TO JOHN F. DOHERTY'S SIXTH
SET OF INTERROGATORIES TO HOUSTON LIGHTING &
POWER COMPANY

In response to the interrogatories propounded
by John F. Doherty, Houston Lighting & Power Company
(Applicant) answers as follows:

INTERROGATORY NO. 1

How much leakage at the inboard system of
the MSIV control system will be allowed applicant in
standard cubic feet per hour?

ANSWER:

The NRC has limited leakage past Main
Steam Isolation Valves to 11.5 SCFH.

INTERROGATORY NO. 2:

Will ACNGS include a valve stem leakage collection
system that directs leakage to an area served by the
standby gas treatment system (SGTS)?

ANSWER:

Every valve 2 1/2" or greater inside the
drywell is connected to a seal leak collection system
with leakage directed to the drywell sump. The drywell
is served by the SGTS. Outboard Main Steam Isolation

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Valves have a seal leak collection system which directs leakage to an area served by the ECCS Filtered Exhaust System.

INTERROGATORY NO. 3:

Are the isolation valves in the containment purge system now designed to close within five seconds?

ANSWER:

The maximum closure time for the containment ventilation (purge) air supply and exhaust is five seconds. (ACNGS PSAR Table 6.2-12)

INTERROGATORY NO. 4:

If not, what are their closing times as designed?

ANSWER:

Not applicable.

INTERROGATORY NO. 5:

Has Applicant committed to the General Electric resolution of the seven problems listed on page 3 of the "Enclosure" to the letter from Steven A. Varga, Chief of Light Water Reactors, Branch 4, to G. W. Opera, Jr., of Applicant, dated July 21, 1978, and subject: "Outstanding Safety Review Issues - Allens Creek NGS, Unit 1?"

ANSWER:

Applicant has committed to the General Electric Resolution for the seven areas listed on page 3 of the enclosure of the letter from Steven A. Varga to G. W. Oprea, Jr., dated July 24, 1978. (See ACNGS PSAR, Appendix K, pages KO32.2-1,2.)

INTERROGATORY NO. 6:

Has Applicant committed to design "these supports for the combined load effects of pipe rupture loads in combination with loads resulting from the SSE and other faulted condition loads described in Table 3.9.7 of the PSAR? (This is item 11.6(2) on page 6 of the S. Varga letter cited in Interrogatory No. 5, supra.)

ANSWER:

Table 3.9-7 was corrected by amendment 47 to the PSAR to include pipe rupture loads as part of the Applicant's commitment to design for a faulted plant condition.

INTERROGATORY NO. 7:

Referring to question five (infra.) if not, state which is not in commitment and give every reason for not having done so, or for any delay in compliance.

ANSWER:

Not applicable.


INTERROGATORY NO. 8:

How does Applicant conclude: "... it would be impossible for impeller missiles from this pump to strike the combustible gas control system components?" (See Applicant's response to JFD, Second Set of Interrogatories to HL&P, and the assumption if the answer is correct.)

ANSWER:

As shown by PSAR drawing 1.2-8, the combustible gas control system is outside the 5 ft. thick reinforced concrete drywell while the recirculation pumps are within the drywell. Further, the combustible gas control system components are above elevation 207.25' while the recirculation pump impeller is below elevation 135.00'. The location of this system so far above the recirculation pumps plus the drywell wall barrier between these components makes it impossible for a potential missile to intersect the combustible gas control system components.

Respectfully submitted,



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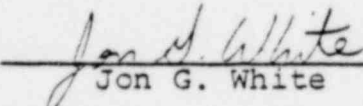
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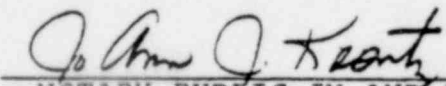
STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared Jon G. White, who upon his oath stated that he has answered the foregoing Houston Lighting & Power Company's Response to John F. Doherty's Sixth Set of Interrogatories to Houston Lighting & Power Company in his capacity as Supervising Engineer for Houston Lighting & Power Company, and all statements contained therein are true and correct to the best of his knowledge and belief.



Jon G. White

SUBSCRIBED AND SWORN TO BEFORE ME by the said Jon G. White on this 13th day of November, 1979.



NOTARY PUBLIC IN AND FOR
HARRIS COUNTY, T E X A S

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HOUSTON LIGHTING & POWER COMPANY	§	Docket No. 50-466
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(Allens Creek Nuclear Generating	§	
Station, Unit 1)	§	

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing Applicant's Response to John F. Doherty's Sixth Set of Interrogatories to Houston Lighting & Power Company in the above-captioned proceeding were served on the following by deposit in the United States mail, postage prepaid, or by hand-delivery this 13th day of November, 1979.

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