



ARKANSAS POWER & LIGHT COMPANY
POST OFFICE BOX 551 LITTLE ROCK, ARKANSAS 72203 (501) 371-4000

November 12, 1982

ØCAN118213

Director of Nuclear Reactor Regulation
ATTN: Mr. J. F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Director of Nuclear Reactor Regulation
ATTN: Mr. Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Arkansas Nuclear One - Units 1 & 2
Docket Nos. 50-313 and 50-368
License Nos. DPR-51 and NPF-6
"Final Submittal of Additional
Information Requested by NRC
Concerning IE Bulletin 80-11,
Masonry Wall Design."

Gentlemen:

This is to respond to your August 3, 1982, letter (ØCNAØ882Ø2) which transmitted NRC's Safety Evaluation Report (SER) concerning IE Bulletin 80-11, "Masonry Wall Design," for Arkansas Nuclear One, Units 1 and 2. This submittal follows our letters dated April 30, 1982, (ØCANØ48211) and July 2, 1982, (ØCANØ782Ø3) on the subject bulletin.

Your August 3, 1982, letter stated that for ANO-1, this issue (i.e., IEB 80-11) was resolved. As for ANO-2, this issue was resolved with the stipulation that AP&L complete the commitment in our July 2, 1982, letter, to survey a list of then inaccessible walls. The walls were inaccessible because of ANO-2 being on-line at the time, and we accordingly committed to survey the walls during the next refueling outage. Your August 3, 1982, letter concurred with this approach and specifically requested that the NRC be notified when our field survey was completed and that the NRC be advised of the results. This work has been completed for ANO-2 and the following is to document AP&L's findings and conclusions.

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The following walls were surveyed by a physical walkdown:

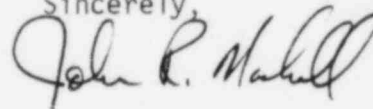
Wall No.	Floor El.	Wall Thickness	Wall Height	Wall Type
23-B-18	335'-0"	1'-6"	8'-0"	Shield or Firewall
23-B-20	335'-0"	1'-6"	8'-0"	Shield or Firewall
24-B-83	335'-0"	1'-6"	12'-0"	Shield or Firewall
24-B-96	335'-0"	2'-6"	15'-4"	Shield or Firewall
24-B-159	354'-0"	2'-0"	15'-3"	Shield or Firewall
24-B-160	354'-0"	3'-0"	14'-6"	Shield or Firewall
24-B-164	354'-0"	3'-0"	14'-6"	Shield or Firewall

Our physical survey of these walls confirmed that no large items were attached to them. Therefore, we have concluded that the blockwall stresses reported in our original response dated January 29, 1981, (1-011-20) conservatively estimate the maximum stress resultants.

It was also noted that Wall 24-B-58 is physically located in the Spent Fuel Storage Tank Room which is a very high radiation zone. Based on our drawing review and a previous analysis performed on this wall, AP&L has determined that the potential radiation exposure does not justify a field survey of this particular wall. With the exception of the 24-B-58, it was concluded that all of the remaining walls previously identified in our July 2, 1982, letter are inside closed pipe and HVAC chases and will never be accessible without significant removal of existing plant structure. Therefore, no further surveys are planned for these walls. The original structural analysis assumptions for these walls as reported in our January 29, 1981, letter indicated acceptable stress resultants, and the results previously reported are still considered valid by AP&L.

In conclusion, it is our belief that this response satisfactorily addresses all outstanding response items for ANO Unit 2 and should supply the NRC with sufficient information to close out the masonry wall design issue for ANO Unit 2 as stipulated in your August 3, 1982, letter. This submittal concludes our work on IE Bulletin 80-11 for ANO, Units 1 and 2.

Sincerely,



John R. Marshall
Manager, Licensing

JM:RWH:DET:rd