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F. L. CLAYTON, JR.
Senior Vice President



October 14, 1979

Director, N.R.R.
Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. A. Schwencer

Dear Mr. Schwencer:

Re: Farley Nuclear Plant Unit-1 (50-348)
Containment Purge Cost Evaluation

As verbally requested by your staff, Alabama Power Company submits the attached results of a cost analysis of various cases limiting containment purge at Farley Nuclear Plant, Unit-1.

Further information concerning operability of containment purge valves at Farley Nuclear Plant will be provided in the near future.

If you have any questions, please advise.

Yours very truly,

F. L. Clayton, Jr.
F. L. Clayton, Jr.

FLCjr/TNE/nmb

Attachment

cc: Mr. R. A. Thomas
Mr. G. F. Trowbridge

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COST EVALUATION RESULTS
FOR LIMITING CONTAINMENT PURGE

Baseline: Unlimited availability of all purge systems.

CASE 1 : All purge is limited to 90 hours per year in Modes 1, 2, 3 and 4.

CASE 2 : Unlimited mini-purge operation plus 90 hours per year main purge operation in Modes 1, 2, 3, and 4.

CASE 3 : All purging is limited to a fixed number of hours over 102 hours per year.

CASE 4 : Unlimited mini-purge plus no main purge operation in Modes 1, 2, 3, and 4.

CASE 5 : No purging in Modes 1 - 4.

<u>CASE</u>	<u>MAIN PURGE HOURS REQUIRED WITH PLANT IN MODES 1-4</u>	<u>COST DIFFERENTIAL (dollars/year)</u>
1	102	1,063,000
2	19	106,600
3	102	1,058,200
4	0	220,400
5	0	1,433,200

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