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Docket No.: 50-348

NL-06-1186

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Joseph M. Farley Nuclear Plant – Unit 1
Results of Inspection per NRC Bulletin 2004-01
of Alloy 82/182/600 Pressurizer Penetrations and Steam Space Piping Connections

By letters sent July 26, 2004 and October 21, 2004, Southern Nuclear Operating Company (SNC) responded to Nuclear Regulatory Commission (NRC) Bulletin 2004-01, "Inspection of Alloy 82/182/600 Materials used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors." During the spring 2006 refueling outage at Joseph M. Farley Nuclear Plant (FNP) Unit 1, the pressurizer penetrations and steam space piping connections were inspected as described in the SNC letters responding to Bulletin 2004-01 item (1)(c). This letter is to report the results of that inspection, in accordance with request (2)(a) of the Bulletin.

Five Alloy 82/182/600 locations within the scope of Bulletin 2004-01 are associated with the FNP Unit 1 pressurizer. These are the butter and full penetration butt welds connecting the stainless steel safe ends at one 4" spray nozzle and at four 6" safety/relief nozzles. Insulation was removed from these five steam space nozzles and a bare metal visual (BMV) inspection was performed (and photographs taken) of each of the dissimilar metal welds and the surrounding base metal. The examined surfaces and pressurizer shell were clean and free of all signs of leakage; hence, no followup examinations or evaluations were required.

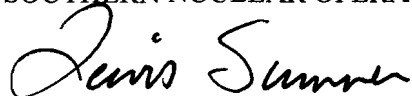
(Affirmation and signature provided on following page.)

Mr. H. L. Sumner, Jr., states he is a Vice President of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and to the best of his knowledge and belief, the facts set forth in this letter are true.

This letter contains no NRC commitments. If you have any questions, please advise.

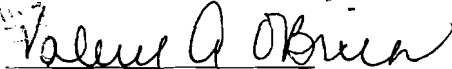
Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY



H. L. Sumner, Jr.

Sworn to and subscribed before me this 17 day of June, 2006.



Notary Public

My commission expires: 4-28-04

HLS/DWD/sdl

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. J. R. Johnson, General Manager – Plant Farley
RTYPE: CFA04.054; LC# 14443

U. S. Nuclear Regulatory Commission
Dr. W. D. Travers, Regional Administrator
Mr. R. E. Martin, NRR Project Manager – Farley
Mr. C. A. Patterson, Senior Resident Inspector – Farley

Alabama Department of Public Health
Dr. D. E. Williamson, State Health Officer: