



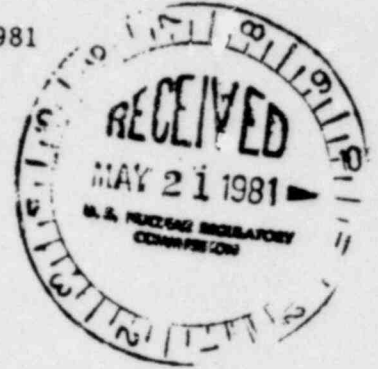
MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

JAMES P. McGAUGHY, JR.  
ASSISTANT VICE PRESIDENT

May 13, 1981



Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, N.W.  
Suite 3100  
Atlanta, Georgia 30303

Attention: Mr. J. P. O'Reilly, Director

Dear Mr. O'Reilly:

SUBJECT: Grand Gulf Nuclear Station  
Units 1 and 2  
Docket Nos. 50-416/417  
File 50-416/15525/15526  
PRD-80/25, Final Report, Carbon  
Filters Supplied by Farr Company  
AECM-81/147

- References:
- 1) AECM-80/118, 5/30/80
  - 2) AECM-80/213, 9/9/80
  - 3) AECM-80/296, 11/25/80

On May 2, 1980, Mississippi Power & Light Company notified Mr. F. Cantrell, of your office, of a Potentially Reportable Deficiency (PRD) at the Grand Gulf Nuclear Station (GGNS) construction site. The deficiency concerns carbon filters, Type NPP-2, supplied by the Farr Company.

The supplier has issued instructions to resolve this deficiency and corrective actions are currently in progress. Details are provided in the attached final report. The Constructor will continue to track this deficiency on Management Corrective Action Report (MCAR) 79. This constitutes a final report on this matter.

Yours truly,

J. P. McGaughy, Jr.

FGM:int  
Attachment

cc: See page 2

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Mr. J. P. O'Reilly  
NRC

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cc: Mr. N. L. Stampley  
Mr. R. B. McGehee  
Mr. T. B. Conner

Mr. Victor Stello, Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. G. B. Taylor  
South Miss. Electric Power Association  
P. O. Box 1589  
Hattiesburg, MS 39401

FINAL REPORT FOR PRD-80/25

I. Description of the Deficiency

Defective leak detection equipment was discovered in a shop test stand at the Farr Company, Crystal Lake, Illinois. This equipment was used to qualify NPP-2 carbon filters manufactured by the Farr Company for use in the control room standby air units of the Grand Gulf Nuclear Station (GGNS). This condition does not apply to Unit 2. A copy of the vendor 10CFR21 report is in Attachment A.

II. Analysis of the Safety Implications

This deficiency, had it remained uncorrected, could have resulted in the installation of improperly qualified NPP-2 carbon filters which could not remove radioactive materials from the control room during the recirculating mode. This condition could have allowed increases in radiation doses to the control room operators.

The determination of reportability per 10CFR50.55(e) has been made and previously reported in AECM-80/123 dated September 9, 1980. The Farr Company submitted a report per 10CFR21 on October 12, 1979. Reportability per 10CFR21 does not apply to MP&L as the item has not been accepted by MP&L.

III. Corrective Actions Taken

The vendor requested that the twenty-four (24) NPP-2 carbon filters in question be returned for retesting. This has been accomplished by the Constructor and documented on Condition Report (CR) 3055 on April 16, 1980.

The vendor has acknowledged receipt of the 24 NPP-2 carbon filters and has scheduled retesting of the filters. If the carbon cells are found acceptable, they could be returned to the jobsite approximately two weeks after testing. In any case, the vendor expects the 24 filters to be returned on or before June 15, 1981 and field installation should be complete by July 15, 1981. Certification of the acceptability of the retest has been requested.

Actions to prevent recurrence have been implemented through the vendor's daily calibration of factory test equipment. This procedure has been in operation for the past year with satisfactory results.

SENT.

AY-22 1980

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Attachment A to AECM-81/147  
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700-80/25

# FARR COMPANY

2301 ROSECRANS AVE., EL SEGUNDO, CALIF. 90245, PHONE (213) 772-5221  
P. O. BOX 92187, AIRPORT STATION, LOS ANGELES, CALIF. 90009  
TELEX NUMBER 66437B

October 12, 1979

Director Region 5  
Office of Inspection & Enforcement  
Nuclear Regulatory Commission  
1990 North California Blvd., Suite 102  
Walnut Creek, California 94596

Dear Sir:

During a Quality Assurance Audit at our Crystal Lake, Illinois Plant, some problems were noted in our Test Stand for qualifying NPP-2 Carbon Filters. The problem area was identified as the Freon Injection Equipment. New equipment is being designed and is expected on stream within four weeks.

This does not represent a safety hazard, as each carbon cell is again tested upon installation. The required information is shown below:

1. Name and Address of person giving notice  
C.C. Mugford - Director of Research & Quality Assurance
2. Identification of Item and Location of Manufacture  
Types NPP-1 and NPP-2 Carbon Cells  
Manufactured by Farr Company at Crystal Lake, Illinois
3. Manufacturer - Headquarters  
Farr Company  
2301 Rosecrans  
El Segundo, CA. 90245
4. Date of Notification  
10-12-79
5. Nature of Hazard  
As indicated in first paragraph
6. Date defect first discovered  
First indication - 10-6-79  
Defect verified & identified - 10-10-79
7. Corrective action to be taken  
All cells tested since last audit to be identified and located. Users to be notified that such cells that have not been installed and leak tested are to be considered suspect. Cells in this category are to be suitably identified and either tested prior to installation or at the time of installation.

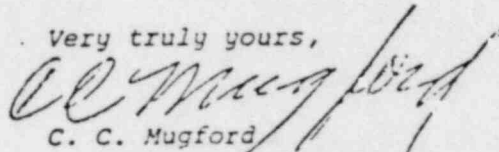
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Nuclear Regulatory Commission  
Walnut Creek, California

8. Name of person responsible for above action.  
L. D. Greco  
National Sales Manager Engineered Systems
9. Further advice to User  
as in Item 7 above.

Very truly yours,



C. C. Mugford  
Director of Research and  
Quality Assurance

CCM/cf

cc: R.S. Farr  
C.E. Miller  
C.J. Oster  
M. Rasmussen  
L.D. Greco  
O.G. Leonard