

James A. FitzPatrick
Nuclear Power Plant
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Harry P. Salmon, Jr.
Resident Manager

May 20, 1993
JAFP-93-0293

United States Nuclear Regulatory Commission
Document Control Desk
Mail Station P1-137
Washington, D.C. 20555

SUBJECT: DOCKET NO. 50-333
LICENSEE EVENT REPORT: LER-93-011: Missed Fuel Oil
Analysis

Dear Sir:

This report is submitted in accordance with 10CFR50.73
(a)(2)(i)(B).

Questions concerning this report may be addressed to
Mr. Eric Mulcahey at (315) 349-6458.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'Harry P. Salmon, Jr.'.

HARRY P. SALMON, JR.

HPS:EM:tld
Enclosure

cc: USNRC, Region 1
USNRC Resident Inspector
INPO Records Center

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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

James A. FitzPatrick Nuclear Power Plant

DOCKET NUMBER (2)

0 5 0 0 0 3 3 3 1 OF 0 4

PAGE (3)

TITLE (4)

Missed Fuel Oil Analysis

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)								
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)							
0	4	2	2	9	3	9	3	0	1	1	0	5	0	0	0		
											0	5	0	0	0		

OPERATING MODE (9) N

POWER LEVEL (10) 0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5 (Check one or more of the following) (11)

20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(vii)(A)	
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(vii)(B)	
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME

Eric Mulcahey, Senior Licensing Engineer

TELEPHONE NUMBER

AREA CODE

3 1 5 3 4 9 - 6 4 5 8

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	X	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

EIIIS Codes are in []

The plant was shutdown and in the cold condition for a maintenance outage. Emergency Diesel Generator System [EK] fuel oil [DC] samples for January, February, and March, 1993 were shipped to a vendor without an approved purchase order and were not analyzed in a timely manner. On April 22, 1993, it was determined that monthly Diesel fuel oil sample analysis reports for January and February 1993 received on April 2, 1993, did not meet the Technical Specification 4.9.C.1 once a month quality check requirement.

The samples were shipped to the vendor on time, however, the vendor did not have a contract to perform the analysis until March 30, 1993 and the surveillance of the receipt of analysis results was inadequate.

The failure of the vendor to perform the analysis on time was due to a delay in obtaining a 1993 contract. In addition, personnel responsible for receiving the results of the analysis failed to initiate an emergency requisition.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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		-0 1 1	-0 0 0 2	OF 0 4		

TEXT (If more space is required, use additional NRC Form 366A's) (17)

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Description

While the reactor was shutdown and in a cold condition for a maintenance outage on April 22, 1993, it was determined from reviewing three months of monthly Emergency Diesel Generator System [EK] fuel oil [DC] sample analysis reports (January, February, and March 1993) received on April 2, 1993, that the requirement to analyze diesel fuel oil samples once a month was not met for January and February 1993. Technical Specifications 4.9.C.1 states "Once a month a sample of the diesel fuel in each storage tank shall be checked for quality". The check for quality or analysis is performed by a laboratory via a yearly open purchase order.

On January 5, 1993, a requisition was initiated to extend the 1992 open order for the diesel fuel oil analysis contract because of delays expected in the bidding process. On February 22, 1993, the vendor was informed that a contract extension was granted and to hold the January and February samples until a change order is received. During this timeframe, personnel responsible for receiving the results of the sample analysis failed to initiate an emergency requisition for completing the analysis.

It was not until March 30, 1993, that a facsimile of the change order to the 1992 contract was sent to the vendor. The vendor immediately began analyzing January, February, and March 1993 diesel fuel oil samples upon receipt of the change order. The results were received on April 2, 1993, immediately reviewed and found acceptable.

The January report was received approximately two months late and the February report approximately one month late. The new contract for diesel fuel oil analysis was approved on May 1, 1992.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 200 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

Event Cause

The cause of the event was the failure to verify receipt of monthly fuel oil analysis due to inadequate surveillance of this requirement. There were two contributing causes for the delay in obtaining an Emergency Diesel Generator fuel oil service contract in a timely manner:

1. The purchase requisition was initiated too late to obtain a contract by the time the January analysis would be required.
2. Personnel involved were not fully aware the Technical Specification requirements included receiving the analysis results rather than just performing monthly sampling.

Event Analysis

Failure to obtain monthly diesel fuel oil quality checks is a violation of Technical Specification 4.9.C.1. and is reportable under 10 CFR 50.73(a)(2)(i)(B). The contract for supplying diesel fuel oil requires diesel fuel oil to meet ASTM D 975 which is the Technical Specification criteria. Therefore, it is unlikely that diesel fuel oil of lesser quality than specified would be delivered. Each diesel fuel oil shipment is checked by QA for specific gravity, water and sediment, and Saybolt viscosity before it is pumped to the storage tank. In addition, a sample of each shipment is sent to a vendor for analysis of the same parameters contained in the Technical Specification. Chemistry technicians analyze the monthly diesel fuel oil samples for water and sediment. The combination of the purchase specifications for replacement fuel oil and quality checks of fuel prior to addition to the storage tanks assures high quality fuel is added to the storage tanks. Periodic (monthly) sampling and analysis of the storage tank contents provides for detection of contamination or deterioration of the fuel. The safety significance of not receiving the analysis in a timely manner was minimal.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 60.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

Corrective Actions

1. The Chemistry surveillance schedule was revised to require review of laboratory reports within 21 days of the sample date thus maintaining the two surveillances (sampling and quality check) in the same month.
2. A review of all other Chemistry Technical Specification surveillances that are dependent on contracted services has been completed.
3. Procedure PSP-7, Diesel Fuel Oil Sampling and Analysis, will be revised to clearly state the requirements for analyzing diesel fuel oil samples within 21 days and informing appropriate management if results are not received. This revision is expected to be completed by June 30, 1993.
4. The Chemistry Group shall assume the responsibility from the Central Planning Department for initiating the diesel fuel oil sample analysis open order requisition. This places all responsibilities for monthly diesel fuel oil sampling and analysis in one department. Due date: September 30, 1993.

Additional Information:

Failed Components: None

Previous Similar Events: None