

Jersey Central Power & Light Company

MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 539-6111

June 28, 1973



Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
United States Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Giambusso:

Subject: Oyster Creek Station
Docket No. 50-219
Reactor Coolant Analysis Frequency

The purpose of this letter is to report a sample of reactor coolant was not analyzed for total radioactive iodine content between 0020 June 9, 1973 and 0830 June 13, 1973 (104 hours, 10 minutes). This event is a violation of Technical Specification, Paragraph 4.6.C., which states a sample of reactor coolant shall be analyzed at least every 72 hours to determine the total radioactive iodine content. This event is also considered to be an abnormal occurrence as defined in Technical Specification, Paragraph 1.15.G. Notification of this event as required by the Technical Specifications was made to AEC Region I, Directorate of Regulatory Operations on Monday, June 18, 1973.

This extended sample analysis frequency resulted from the station's multichannel analyzer becoming inoperative on June 9, 1973 and it was not until June 12, 1973 that the vendor's service representatives could effect repair of this instrument. The multichannel analyzer is the only instrument presently used to measure total reactor water iodine activity.

The safety significance associated with this event is minimal since gross beta gamma counting of reactor water was performed during this period at the normal daily frequency. Gross gamma counting of filtered radioactive water was performed during the period at the normal daily frequency also. Both of these counting techniques include total iodine radioactivity. None of the results obtained from these analyses showed a deviation from normal levels during the period of June 9th to June 13th.

In addition, off-gas activity, which is a sensitive indication of fission product activity, did not show any significant or unexplained deviation from normal levels during this period. This is indicated by continuous recording of stack gas activity in the control room and verified by off-gas grab sample analysis on June 11, 1973.

8305120281 730628
PDR ADOCK 05000219
S PDR

Handwritten: 50219

5153

COPY SENT REGION

Mr. Giambusso

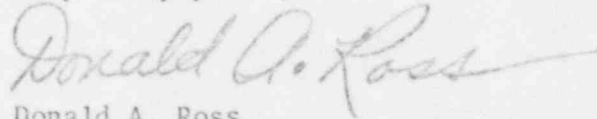
-2-

June 28, 1973

To prevent reoccurrence of this kind, more detailed administrative requirements will be issued to the chemistry technicians to advise supervision when the prescribed analysis frequency cannot be maintained. Laboratory procedures will be developed to permit use of a single channel analyzer for measurement of total iodine activity to cover time periods when the multichannel analyzer becomes inoperable in the future.

Enclosed are forty (40) copies of this report.

Very truly yours,



Donald A. Ross
Manager, Nuclear Generating Stations

DAR:cs
Enclosures

cc: Mr. J. P. O'Reilly, Director
Directorate of Regulatory Operations, Region I

Date: June 18, 1973

Time: 1230

ABNORMAL OCCURRENCE

REPORT NO. 73-11

SUBJECT: Violation of the Technical Specification, para. 4.6 C.

A sample of reactor coolant shall be analysed at least every 72 hours to determine the total radioactive iodine content.

Failure of _____ (or).

This event is considered to be an abnormal occurrence as defined in the Technical Specifications, para. 1.15G. Notification of this event as required by the Technical Specifications, para. 6.6.3 was made to AEC Region I Directorate of Regulatory Operations on June 18, 1973.

SITUATION:

A sample of reactor coolant was not analyzed for total radioactive iodine content between 0020 June 9, 1973 and 0830 June 13, 1973 (104 hrs., 10 mins.)

Handwritten:
50-219

NONE

CAUSE: FAILURE TO OBTAIN & ANALYZE REACTOR COOLANT SAMPLE FOR TOTAL RADIOACTIVITY

The multichannel analyzer is the instrument used to measure total iodine radioactivity. This instrument became inoperative on June 9, 1973 and was not repaired until June 12, 1973. The time lapse was not brought to the attention of the Chemical Supervisor by the Chemistry Technician.

REMEDIAL ACTION:

Remedial action was not applicable in this case, since at the time the event was discovered, we were on the proper sampling frequency. The immediate action taken to correct the problem was to repair the multichannel analyzer so that the iodine could be determined.

SAFETY SIGNIFICANCE: NONE

Gross beta-gamma counting of reactor water was performed during this period at the normal daily frequency. Gross gamma counting of filtered reactor water was performed during this period at the normal daily frequency. Both of these counting techniques include total iodine radioactivity in the total. None of the results obtained from these analyses showed a deviation from normal during the period of June 9th to June 13th.

Off Gas, which is a direct and sensitive indication of fission product activity, did not show any significant or unexplained deviation from normal during this period. This was shown by operating Stack Gas sample instrumentation and verified by Off Gas sample analysis on June 11, 1973.

Prepared by: J. T. Carroll

MEMO ROUTE SLIP Form AEC-94 (REV. May 14, 1967) AEC M 0240		See me about this. Date and return	For concurrence. For signature	For action. For information
TO (Name and unit)	INITIALS	REMARKS		
H. D. Thornburg, Chief, FS&EB	DATE	Licensee: Jersey Central Power & Light Co.		
		Docket No.: 50-219		
		Abnormal Occurrence: TWX dated 6/18/73 (AO-7311)		
TO (Name and unit)	INITIALS	REMARKS		
RO:HQ (5) DR Central Files (1) Regulatory Standards (3) Dir. of Licensing (13)	DATE	The attached report from the subject licensee is		
		forwarded in accordance with RO Manual Chapter 1000.		
TO (Name and unit)	INITIALS	REMARKS		
RO Files	DATE	The action taken by the licensee is considered		
		appropriate. Followup will be performed during		
		the next inspection as appropriate. Copies of		
FROM (Name and unit)	REMARKS			
D. L. Caphton, RO:I	the report have been forwarded to the PDR, Local			
	PDR, NSIC, DTIE and State representatives. The			
	licensee will submit a 10 day written report to			
PHONE NO.	DATE	Licensing.		
	6/20/73			

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1971 O - 445

U.S. ATOMIC ENERGY COMM.
DIVISION OF COMPLIANCE

1973 JUN 25 PM 10 48

RECEIVED