

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence
Report No. 50 219/74/24

Report Date

April 19, 1974

Occurrence Date

April 9, 1974

Identification of Occurrence

Violation of the Technical Specifications, paragraph 4.6.B.1.g, in that the stack gas particulate filter in service from March 28, 1974 to March 31, 1974 was not analyzed for gross β , gross α , and gross γ , but was analyzed for Ba-140, La-140 and I-131 within 48 hours. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15G.

Conditions Prior to Occurrence

The plant was operating at steady-state power.

The major plant parameters at the time of the event were as follows (during the period the filter was in service):

Power:	Reactor, 1806 MWt
	Electrical, 632 MWe
Flow:	Recirculation, 57.2×10^6 lb/hr
	Feedwater, 6.735×10^6 lb/hr
Stack Gas:	35,000 μ Ci/sec

Description of Occurrence

A stack gas particulate filter, installed at 0847 on March 28, 1974 and removed at 0854 on March 31, 1974, was not counted for gross β , gross α , and gross γ , as per Technical Specification 4.6.B.1.9. This was detected in a routine audit of the stack release records.

Apparent Cause of Occurrence

Counting of the filter 48 hours after removal was not performed by the technician as required by our normal practice.

Analysis of Occurrence

The safety significance connected with this occurrence is that any unusually large release of particulate activity during this period might not have been

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recognized until the monthly composite analyses were complete. This is not a likely possibility as a spectrum analysis was performed to measure releases of short-lived isotopes and if unusually large amounts of activity were present, it would have been readily apparent. In addition, a spectrum analysis of the charcoal filter had also been performed and normal quantities of iodine were found.

Corrective Action

The particulate filter was counted nine days after filter removal upon discovery of the abnormal occurrence. The gross β , gross α , and gross γ values were comparable to samples removed before and after this filter as is shown in the following table:

<u>Sample Period</u>	<u>Gross α $\mu\text{Ci}/\text{CC} \times 10^{-14}$</u>	<u>Gross β $\mu\text{Ci}/\text{CC} \times 10^{-10}$</u>	<u>Gross γ $\text{CPM}/\text{CC} \times 10^{-5}$</u>
3/22 to 3/25	.487	1.36	2.09
3/25 to 3/28	1.14	1.92	2.84
3/28 to 3/31	.139	1.68	2.11
3/31 to 4/2	2.32	2.81	1.56
4/2 to 4/5	.677	2.13	3.16

This would indicate that there was little or no change in plant stack effluents and that the plant was operating with releases less than 4% of the Technical Specification limit of 4 $\mu\text{Ci}/\text{sec}$ of iodine and particulates having half-lives > 8 days.

The administrative control over stack gas filter cartridge analysis will be reviewed and tightened, if necessary, to assure that counting is performed on schedule.