

Jersey Central Power & Light Company



MADISON AVENUE AT PUNCH BOWL ROAD • MORRISTOWN, N. J. 07960 • 201-539-6111

General



Public Utilities Corporation

March 27, 1975



Mr. A. Giambusso
Director, Division of Reactor Licensing
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, D. C. 20545

Dear Mr. Giambusso:

Subject: Oyster Creek Station
Docket No. 50-219
Abnormal Occurrence Report No. 50-219/75-7

The purpose of this letter is to forward to you the attached abnormal occurrence report in compliance with paragraph 6.6.2.a of the Technical Specifications.

Enclosed are forty copies of this submittal.

Very truly yours,

Donald A. Ross, Manager
Generating Stations-Nuclear

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Enclosures

cc: Mr. J. P. O'Reilly, Director
Office of Inspection and Enforcement, Region 1

50-219 incident

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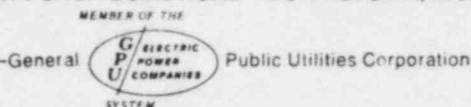
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OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence
Report No. 50-219/75-7

Report Date

March 27, 1975

Occurrence Date

March 19, 1975

Identification of Occurrence

Failure of dehumidifying heater (EHC-1-5) in standby gas treatment system No. 1 to energize upon system initiation. This event is considered to be an abnormal occurrence as defined in the Technical Specifications, paragraph 1.15D.

Conditions Prior to Occurrence

The plant was operating at steady-state power with major parameters as follows:

Power:	Thermal, 1848 MWt
	Electric, 649 MWe
Flow:	Recirculation, 58.3×10^6 lb/hr
	Feedwater, 6.88×10^6 lb/hr
Stack Gas:	33,600 μ ci/sec

Description of Occurrence

At 1450 on March 19, 1975, while performing a test of the standby gas treatment systems (SGTS), it was observed that the dehumidifying heater EHC-1-5 in SGTS No. 1 failed to energize. An investigation was initiated to determine the cause of the failure. It should be noted that the SGTS No. 2 was observed to function satisfactorily at the time of this event.

Apparent Cause of Occurrence

The cause of the failure was traced to a plugged orifice in the air supply to the controller. The controller functions to initiate three (3) dehumidifying heaters which together form heater EHC-1-5 in SGTS No. 1

Analysis of Occurrence

The dehumidifying heaters act in conjunction with the prefilter to reduce the relative humidity of the inlet air to the charcoal and HEPA filters to a maximum of 70%. This is required to achieve maximum absorption efficiency of the charcoal bed for gaseous iodine and to prevent damage to the HEPA filters. Since the dehumidifying heaters failed to operate, it can be concluded that the absorption efficiency of the charcoal filters would have been reduced.

Corrective Action

A new type of differential relay manufactured by Moore Products Company was installed in place of the original orifice after the Plant Operations Review Committee determined that it was less susceptible to pluggage. The system was then satisfactorily retested. The Plant Operations Review Committee also recommended that this type relay be installed in dehumidifying heater control system for SGTS No. 2. The HEPA and charcoal filters are presently being tested in accordance with the Technical Specification Requirements prior to the refueling outage.

Failure Data

Not applicable.