

Initial Telephone
Report Date: December 22, 1978

Date of
Occurrence: December 22, 1978

Initial Written
Report Date: December 26, 1978

Time of
Occurrence: 12:45 p.m.

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Reportable Occurrence
Report No. 50-219/78/35-1P

IDENTIFICATION
OF OCCURRENCE:

Violation of the Technical Specifications, paragraph 3.5.A.1.C.1, when the suppression pool water temperature exceeded 95°F. during power operation.

This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.A.2.

CONDITIONS PRIOR
TO OCCURRENCE:

<input checked="" type="checkbox"/> Steady State Power	<input type="checkbox"/> Routine Shutdown
<input type="checkbox"/> Hot Standby	<input type="checkbox"/> Operation
<input type="checkbox"/> Cold Shutdown	<input type="checkbox"/> Load Changes During
<input type="checkbox"/> Refueling Shutdown	<input type="checkbox"/> Routine Power Operation
<input type="checkbox"/> Routine Startup	<input type="checkbox"/> Other (Specify)
<input type="checkbox"/> Operation	

Power: Generator 665 MWe
Reactor 1918 MWth

Flow: Recirculating 15.5 x 10⁴ GPM
Feedwater 7.169 x 10⁶ #/hr

Reactor Pressure: 1020 psig

Stack Gas: 2.95 x 10⁴ μ Ci/sec.

DESCRIPTION
OF OCCURRENCE:

At approximately 12:45 p.m. on Friday, December 22, 1978, the suppression pool water temperature was found to be in excess of the Technical Specification for the limiting condition for power operation. The average value for the four suppression pool thermocouples at the time of the incident was 95.35°F. Containment spray system I was initiated at 1:20 p.m. in the suppression pool cooling mode and the suppression pool water temperature was subsequently brought below 95°F.

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APPARENT CAUSE
OF OCCURRENCE:

<input type="checkbox"/>	Design	<input type="checkbox"/>	Procedure
<input type="checkbox"/>	Manufacture	<input type="checkbox"/>	Unusual Service Condition
<input type="checkbox"/>	Installation/ Construction	<input type="checkbox"/>	Inc. Environmental
<input checked="" type="checkbox"/>	Operator	<input type="checkbox"/>	Component Failure
		<input type="checkbox"/>	Other (Specify)

The apparent cause of the occurrence was the failure of station personnel to recognize that the suppression pool water temperature was approaching the Technical Specification limit for that parameter.

ANALYSIS OF
OCCURRENCE:

The suppression pool water temperature limits were established to reduce the affects of the steam quenching vibration phenomenon which may occur at elevated suppression pool water temperature during a loss-of-coolant accident. The requirement for reactor scram for suppression pool water temperature in excess of 110°F. was developed to prevent exceeding 160°F. during relief valve operation. The 95°F. limit for power operation is intended to provide a 10°F. allowance for testing which adds heat to the suppression pool and still provide a 5°F. margin below the scram requirement. Since the suppression pool water temperature did not exceed the 110°F. limit during this incident, there appears to be minimal safety significance. Additionally, the time the suppression pool temperature exceeded the 95°F. limit was minimal.

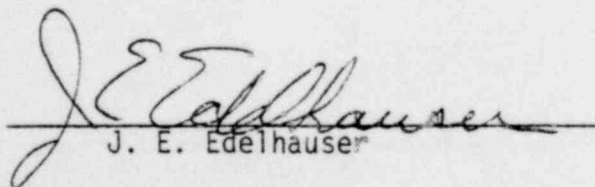
CORRECTIVE
ACTION:

The torus water temperature was reduced to less than 95°F. by operation of the containment spray system.

FAILURE DATA:

None

Prepared by:


J. E. Edelhauser

Date:

Dec 26, 1978