

Initial Telephone
Report Date: _____

Date of
Occurrence: November 29, 1978

Initial Written
Report Date: November 30, 1978

Time of
Occurrence: 1400

OYSTER CREEK NUCLEAR GENERATING STATION
FORKED RIVER, NEW JERSEY 08731

Reportable Occurrence
Report No. 50-219/78/29-1P

IDENTIFICATION
OCCURRENCE:

Violation of the Technical Specifications, paragraph 4.5.B.1,2, when results of the Primary Containment Integrated Leak Rate Test failed to meet the allowable leakage requirement of one weight percent per day as stated in the referenced Technical Specification.

This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.a.3.

CONDITIONS PRIOR
OCCURRENCE:

<input 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 checked="" type="checkbox"/>	Refueling Shutdown	<input type="checkbox"/>	Routine Power Operation
<input type="checkbox"/>	Routine Startup	<input type="checkbox"/>	Other (Specify)
<input type="checkbox"/>	Operation		

Reactor Mode Switch: Shutdown
Moderator Temperature: approximately 160°F.
Reactor vessel head in place.
Containment Pressure: approximately 36.6 psia

DESCRIPTION
OCCURRENCE:

On November 20, 1978, at approximately 2200 hours, the Primary Containment Vessel was pressurized to 36.9 psia (22.2 psig) for the purpose of conducting a Type A Containment Leak Rate Test. During the course of conducting the Type A Test, it was discovered that the containment leakage rate was greater than allowable. Investigation as to the cause of the excessive leakage continued until approximately 1200 hours on November 23, 1978. During this time period, the following leaks were identified and isolated or repaired:

- 1) Isolation Condenser Vent Valves V-14-1 and 19 and V-14-5 and 20 were isolated by closing V-1-71 (boundary extension).
- 2) Reactor Building to Torus Vacuum Breaker differential pressure sensing switches, DPS-66A and DPS-66B were isolated.

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3) Drywell Vent Valves V-27-1 and V-27-2. V-27-2 was repaired.

The test was then restarted at 1905 hours on November 23, 1978, and was successfully completed at 0248 on November 24, 1978.

PARENT CAUSE
OF OCCURRENCE:

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

The failure of the Reactor Building to Torus Vacuum Breaker D/P sensing switches are the subject of LER 50-219/78/26-1P.

The cause of failure of the Isolation Condenser Vent Valves is attributed to excessive leakage through the seat sealing surfaces. (Type C Test was not performed prior to Type A Test.) The cause of failure of the Drywell Vent Valves is attributed to excessive leakage past the butterfly disc/boot seating surfaces for V-27-1 and through the disc to stem taper pin which was found to be loose. (Type C Test was performed prior to Type A Test and passed.)

ANALYSIS OF
OCCURRENCE:

Under design basis loss of coolant accident conditions (LOCA), the containments (LOCA), the containment isolation valves function to limit the leakage out of the containment structure to less than one (1) weight percent of the containment atmosphere per day. Conformance to this criteria assures that the release limits set forth in 10CFR100 will not be exceeded. The test results indicated that the limit of one (1) weight percent per day would have been exceeded.

CORRECTIVE
ACTION:

The necessary corrective actions required to satisfy the operation leak rate criteria were:

- 1) Switches DPS66A, B were replaced with switches of a higher pressure rating and successfully type "C" tested at 35 psig. No leakage was detected.
- 2) The isolation condenser vent valves were repaired and successfully type "C" tested at 35 psig; the results of the test were added to the type "A" test results.
- 3) Both drywell vent valves were replaced after successful completion of the type "A" test and were successfully type "C" tested.

FAILURE DATA: To be provided later.

Prepared by:

K. O. E. Fickeissen, Jr.
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