LICENSEE EVENT REPORT

CONTROL BLOCK [ ] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | N J O C P 1 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T
0 1 | REPORT SOURCE L (6) | 0 5 0 0 0 2 1 9 (7) | 0 8 0 7 7 9 (8) | 0 6 2 0 8 0 (9)
DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During normal operation, while excavating to effect repairs on the equip-
0 3 | ment drain tank line (RO 50-219/79-10), a leak was discovered in the laund-
0 4 | ry tank discharge pipe. Flow rate of the leak was approximated to be 1/2
0 5 | gpm while water was being pumped to radwaste. Samples were analyzed and
0 6 | revealed levels of Co^{60} and Mn^{54}. Based on analysis, the contamination
0 7 | was localized. (See the attached report for "Reportable Occurrence No.
0 8 | 50-219/79-26/3L-1).

0 9 | SYSTEM CODE X X (11) | CAUSE CODE E (12) | CAUSE SUBCODE D (13) | COMPONENT CODE P I P E X X (14) | COMP. SUBCODE A (15) | VALVE SUBCODE Z (16)

(17) LER/RO REPORT NUMBER: EVENT YEAR 79 | SEQUENTIAL REPORT NO. 026 | OCCURRENCE CODE 03 | REPORT TYPE L | REVISION NO. 1

ACTION TAKEN X (18) | FUTURE ACTION B (19) | EFFECT ON PLANT Z (20) | SHUTDOWN METHOD Z (21) | HOURS 0000 (22) | ATTACHMENT SUBMITTED Y (23) | NPRD-4 FORM SUB. Y (24) | PRIME COMP. SUPPLIER Z (25) | COMPONENT MANUFACTURER Z 9 9 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Isotopic analysis performed on the soil and residual water revealed levels
1 1 | of Mn^{54} and Co^{60}. Immediate action was to isolate the line and tag the
1 2 | laundry tank pump "Out of Service". Corrective action consists of repairs
1 3 | to the line. The construction of a structure to enclose these pipe runs
1 4 | from the Reactor Building to the main pipe tunnel has been completed.

1 5 | FACILITY STATUS E (28) | % POWER 098 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY A (31) | DISCOVERY DESCRIPTION (32) During repair work on another line.

1 6 | ACTIVITY RELEASED L (33) | CONTENT OF RELEASE M (34) | AMOUNT OF ACTIVITY (35) See Attachment | LOCATION OF RELEASE (36) Laundry tank discharge to soil.

1 7 | PERSONNEL EXPOSURES NUMBER 000 (37) | TYPE Z (38) | DESCRIPTION (39) NA

1 8 | PERSONNEL INJURIES NUMBER 000 (40) | DESCRIPTION (41) NA

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) | DESCRIPTION (43) NA

2 0 | PUBLICITY ISSUED Y (44) | DESCRIPTION (45) Weekly news release - September 12, 1979. | NRC USE ONLY

NAME OF PREPARER Donald A. Ross PHONE 455-8784

8006270303

JCP&L / GPU

Jersey Central Power & Light Company
Madison Avenue at Punch Bowl Road
Morristown, New Jersey 07960
(201) 455-8200

OYSTER CREEK NUCLEAR GENERATING STATION
Forked River, New Jersey 08731

Licensee Event Report
Reportable Occurrence No. 50-219/79-26/3L-1

Report Date

Update Report - June 20, 1980
Previous Report Date - September 6, 1979

Occurrence Date

August 7, 1979

Identification of Occurrence

Failure of the laundry drain tank discharge piping, resulting in the release of radioactive material. This event is considered to be a reportable occurrence as defined in the Technical Specifications, paragraph 6.9.2.B.4.

Conditions Prior to Occurrence

The plant was operating at steady state power.

Power:	Core, 1904.38 MWt
	Electric, 638 MWe
Flow:	Recirculating, 15.0×10^4 gpm
	Feedwater, 7.188×10^6 lb/hr
Stack Gas:	2.79×10^4 µci/sec

Description of Occurrence

On August 7, 1979, at approximately 1030 hours, a leak was discovered in the laundry tank discharge piping in the vicinity of the external penetration of the reactor building. A residual water sample taken was analyzed and revealed identifiable levels of Mn^{54} and Co^{60}. A soil sample taken in the immediate vicinity was analyzed and revealed identifiable levels of Co^{60}.

Apparent Cause of Occurrence

Component failure was the apparent cause of occurrence.

Analysis of Occurrence

Leaks discovered in the Drywell Equipment Drain Tank discharge line (R.O. No. 50-219/79-10/3L) and Laundry Drain Tank discharge line (R.O. No. 50-219/79-26/3L) could not be completely analyzed at the time of occurrence. Core samples taken prior to excavation and soil samples taken during excavation confirmed that the contamination was localized. A total of 17 drums of dirt removed from the hole had contamination levels above background and were shipped as radioactive waste. Much of this was as a result of contamination spread in the dirt during shoveling and loading into drums. Based on the average concentration found in the drummed dirt, the following estimated activity was present:

Co 60	26 µCi
Cs 134	3.6 µCi
Cs 137	4.6 µCi

After the hole was excavated to the desired depth of approximately 17 feet for construction of the vault, soil samples from the bottom were analyzed prior to pouring the concrete floor. None of the samples showed any detectable activity above normal background.

Well water samples from the Oyster Creek site and surrounding area are collected and analyzed every four weeks as part of the plant Radiological Environmental Monitoring Program. There has been no observed detectable activity above normal background in samples collected.

It is concluded from the analytical results that: 1) Contamination from the leaks was indeed localized in the immediate area of the leaks; 2) No radioactivity entered into the water table; 3) All significant contamination in the soil was removed.

Corrective Action

Gamma isotopic analysis was performed on a soil and resitual water sample collected in the immediate vicinity. The water sample revealed identifiable levels of Mn^{54} and Co^{60}.

The immediate action taken after identifying the source of the leak was the tagging "Out of Service" of the laundry tank pump and isolation of the laundry tank discharge piping. This action took place within two hours after discovery of the leak. A temporary rerouting of the laundry tank water has been made until permanent corrective action is completed.

Corrective action consists of repairs to the line as well as an inspection of all other piping in the immediate vicinity has been completed. The construction of a structure to enclose these pipe runs from the reactor building to the main pipe tunnel has been completed.

Failure Data

Not applicable