

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 7906130324 DOC. DATE: 79/06/07 NOTARIZED: NO
 FACIL: 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co.
 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co.
 AUTH. NAME: LEWIS, S. R. AUTHOR AFFILIATION: Duke Power Co.
 RECIP. NAME: RECIPIENT AFFILIATION: Region 2, Atlanta, Office of the Director

DOCKET #
 05000269
 0500270

SUBJECT: LER 79-015/01T-0 on 790524: laundry & hot shower tank A discharged w/o being sampled. Caused by personnel error. Responsible parties counseled.

DISTRIBUTION CODE: A002S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 143
 TITLE: INCIDENT REPORTS

NOTES: M CUNNINGHAM - ALL AMENDS TO FSAR + CHANGES TO TECH SPECS.

	RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
ACTION:	05 BC ORB 4	4 4		
INTERNAL:	01 <u>REG FILE</u>	1 1	02 NRC PDR	1 1
	09 I&E	2 2	11 MPA	3 3
	14 TA/EDO	1 1	15 NOVAK/KNIEL	1 1
	16 EEB	1 1	17 AD FOR ENGR	1 1
	18 PLANT SYS BR	1 1	19 I&C SYS BR	1 1
	20 AD PLANT SYS	1 1	21 AD SYS/PROJ	1 1
	22 REAC SAFT BR	1 1	23 ENGR BR	1 1
	24 KREGER	1 1	25 PWR SYS BR	1 1
	26 AD/SITE ANAL	1 1	27 OPERA LIC BR	1 1
	28 ACCIDENT ANALYS	1 1	29 AUX SYS BR	1 1
	E JORDAN/IE	1 1	HANAUER, S.	1 1
	TMI DOC CENTER	1 1		
EXTERNAL:	03 LPDR	1 1	04 NSIC	1 1
	29 ACRS	16 16		

JUN 15 1979
 [Handwritten initials]

DUKE POWER COMPANY

Oconee Units 1 and 2

Report Number: RO-269/79-15

Report Date: June 7, 1979

Occurrence Date: May 24, 1979

Facility: Oconee Nuclear Station, Seneca, South Carolina

Identification of Occurrence: Inadvertent Release from Laundry & Hot Shower Tank

Conditions Prior to Occurrence: Unit 1 100% Full Power
Unit 2 Cooldown, 290^oF and 550 psig

Description of Occurrence:

On May 24, 1979 2335 gallons of water was inadvertently released from laundry and hot shower tank (LHST) A without a sample being taken prior to the release, as required by Oconee Nuclear Station Technical Specification 3.9.8. At approximately 1300 on May 24, an attempt was made to discharge water from LHST B, which had been sampled previously, but no flow was indicated. Since a review of valve positions revealed no misalignment, the decision was made to align the LHST A discharge pump to LHST B. At 1319 the discharge was secured, and it was discovered that the LHST B pump had inadvertently been aligned to LHST A, emptying that tank rather than LHST B. Prior to admitting any further liquid to LHST A, a sample was taken from the tank's pump drain, and an analysis indicated that the quantity released was very small with respect to Technical Specification limits.

Apparent Cause of Occurrence:

Unsampled liquid was released from LHST A due to a personnel error in performing the pump alignment. When the LHST B pump discharge filter was found to be obstructed, an attempt was made to align the LHST A pump to LHST B. However, when the discharge was secured, it was discovered that the LHST B pump had been aligned to LHST A. Prior to performing the realignment, a change should have been made to the procedures for draining the tank, but this was not done. In addition, the error was facilitated by a lack of identifying markings on the tanks and their associated piping and pumps.

Analysis of Occurrence:

During the time the tank was being discharged, at least one Keowee Hydro Unit was operating, providing dilution flow. An analysis of the sample taken from LHST A subsequent to the release indicated that radionuclide concentrations were low enough to permit a discharge flowrate of approximately 460 gpm without exceeding any Technical Specification limits. In addition, the release was monitored by two detectors on the discharge line, one of which was calibrated to trip at a countrate of 3300 cpm, and the other at 500 cpm, so the release would have been terminated if the concentration had been too high. The maximum

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Analysis of Occurrence (cont'd)

count rate observed during the release was 10 cpm. However, Technical Specification 3.9.8 requires that the hot shower tank be sampled prior to releasing its contents. Therefore, this incident constitutes a situation which is less conservative than the least conservative aspect of a limiting condition for operation and must be reported pursuant to Technical Specification 6.6.2.1.a(2), although it was of no significance with respect to the health and safety of the public.

Corrective Action:

The two tanks and their associated equipment have been clearly marked and color-coded to eliminate confusion in the future. All valves which could allow unsampled liquid to enter LHST B during a release will be locked in the closed position, and the operating procedures have been changed to reflect that fact. Additional changes have been made to all liquid waste disposal procedures to assure that the correct pump/tank combination is verified both before and during releases. In addition, the personnel involved in the incident have been counseled to assure correct understanding of the procedures.

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: _____ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | S | I | C | N | E | E | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | _____ | 5
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

CONT
01 | L | 5 | 0 | 5 | 0 | 0 | 1 | 0 | 2 | 6 | 1 | 9 | 7 | 0 | 5 | 1 | 2 | 4 | 7 | 1 | 9 | 8 | 0 | 1 | 6 | 0 | 7 | 7 | 1 | 9 | 9
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | Laundry and Hot Shower Tank A was discharged without being sampled before-
03 | hand, as required by T.S. 3.9.8. Two monitors on the discharge line would
04 | have terminated the release if the radionuclide concentration had been too
05 | high. In addition, analysis of a sample from the liquid remaining in the
06 | tank subsequent to the release indicated the concentration was small with
07 | respect to T.S. limits. Therefore, this incident is considered to be insigni-
08 | ficant with respect to the health and safety of the public.

09 | M | A | 11 | A | 12 | B | 13 | Z | Z | Z | Z | Z | Z | 14 | Z | 15 | Z | 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

17 | 7 | 9 | 21 | 22 | 0 | 1 | 1 | 5 | 24 | 25 | 26 | 0 | 1 | 27 | 28 | T | 29 | 0 | 30
18 | H | 19 | G | 20 | Z | 21 | Z | 22 | 0 | 0 | 0 | 0 | 23 | Y | 24 | N | 25 | Z | 26 | Z | 27 | Z | 28 | Z | 29 | Z | 30
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | An attempt was made to align the LHST A discharge pump to drain LHST B, which
11 | had been sampled, but inadvertently the LHST B pump was aligned to LHST A.
12 | The responsible parties have been counseled. In addition, the tanks and re-
13 | lated equipment have been clearly marked and procedures have been revised to
14 | preclude future such occurrences.

15 | E | 28 | 1 | 0 | 0 | 29 | NA | 30 | A | 31 | Operator observation | 32
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

16 | L | 33 | M | 34 | 0.11 curies total | 35 | hot shower tank to lake | 36
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

17 | 0 | 0 | 0 | 37 | Z | 38 | NA | 39
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

18 | 0 | 0 | 0 | 40 | NA | 41
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

19 | Z | 42 | NA | 43
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

20 | N | 44 | NA | 45
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

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JUN 15 1979

ccp