

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Oconee Nuclear Station, Unit 1										DOCKET NUMBER (2) 0 5 0 0 0 2 6 9 1 OF 0 3										PAGE (3) 1 OF 0 3																																		
TITLE (4) Gaseous Waste Disposal Tank Released Without a Redundant Sample Analysis																																																						
EVENT DATE (5) MONTH DAY YEAR 0 3 2 8 8 5 8 5										LER NUMBER (6) YEAR SEQUENTIAL NUMBER REVISION NUMBER 0 0 4 0 0										REPORT DATE (7) MONTH DAY YEAR 0 4 2 9 8 5										OTHER FACILITIES INVOLVED (8) FACILITY NAMES DOCKET NUMBER(S) 0 5 0 0 0 0																								
OPERATING MODE (9) POWER LEVEL (10) 1 1 0 0										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																																												
										20.402(b)										20.405(c)										50.73(a)(2)(iv)										73.71(b)														
										20.405(a)(1)(i)										50.38(c)(1)										50.73(a)(2)(v)										73.71(c)														
										20.405(a)(1)(ii)										50.38(c)(2)										50.73(a)(2)(vii)										OTHER (Specify in Abstract below and in Text, NRC Form 366A)														
										20.405(a)(1)(iii)										X 50.73(a)(2)(i)										50.73(a)(2)(viii)(A)																								
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LICENSEE CONTACT FOR THIS LER (12)																																																						
NAME Sandra G. Godwin, Licensing																				TELEPHONE NUMBER AREA CODE 7 1 0 4 3 7 1 3 1 - 2 1 3 6 1 2																																		
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																																						
CAUSE					SYSTEM					COMPONENT					MANUFACTURER					REPORTABLE TO NPROS					CAUSE					SYSTEM					COMPONENT					MANUFACTURER					REPORTABLE TO NPROS									
SUPPLEMENTAL REPORT EXPECTED (14)																																																						
YES (If yes, complete EXPECTED SUBMISSION DATE)																				X NO										EXPECTED SUBMISSION DATE (15)																								
																														MONTH DAY YEAR																								

ABSTRACT (Limit to 1400 spaces - i.e., approximately fifteen single-space typewritten lines) (16)

On March 28, 1985 at 2202 hours, the Gaseous Waste Disposal (GWD) Tank was released without a redundant sample analysis. Since one of the two radiation monitors was out of service, redundant sampling was required and failure to do so was a violation of footnote (a) to Technical Specification (T.S.) table 3.5.5-2. The reason the redundant sample was not taken before the GWD tank was released was personnel error. The Personnel involved had forgotten that the monitor was out of service, therefore, did not realize a redundant sample analysis was required.

As soon as the mistake was discovered, the HPT took and analyzed a redundant sample on the remaining gas in the GWD tank. The results of the second sample agreed with the results of the first sample (within T. S. 3.10 limits). Therefore, the health and safety of the public was not affected.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104  
EXPIRES: 8/31/85

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

TEXT (If more space is required, use additional NRC Form 366A's) (17)

Description of Occurrence:

A Gaseous Waste Disposal (GWD) system is used to hold up radioactive waste for decay and to release radioactive gaseous waste to the atmosphere under controlled conditions. The releases are controlled by two radiation monitors that will stop the release before T.S. 3.10 limits are exceeded.

On March 20, 1985, one of the radiation monitors was taken out of service. Operation personnel notified Health Physics (H.P.) personnel of the situation and that redundant samples on GWD tank releases were required. This was listed on the status board in the H.P. Lab.

On March 28, 1985, a request to sample the gaseous waste from GWD tank was submitted to Health Physics by Operations. A sample was collected and counted. A redundant sample was not taken at this time because Personnel involved did not remember that one of the radiation monitors was out of service. The results of the one sample were returned, but because of the work load and the close proximity of the shift turnover, the GWD tank was not released at this time.

During the evening shift turnover, the sample results were turned over. Later that shift, gaseous waste in the GWD tank was released. When the release was terminated at 0120 hour on March 28, 1985, 5 psi pressure still remained in the tank.

During the morning shift turnover, the question of how the redundant sample was taken was brought up. At that time, it was determined that the redundant sample had never been taken.

A decision to take a sample of the remaining gas in the GWD tank was made. The results of this sample were compared to the results of the earlier sample and were found to be similar and within the acceptance criteria to release the tank.

Cause of Occurrence:

The cause of the incident is attributable to personnel error, in that personnel involved did not remember that one of the radiation monitors was out of service, therefore, did not remember that a redundant sample was required.

Analysis of Occurrence:

On March 28, 1985 a sample was taken and counted from the GWD tank. The results of this sample were used to calculate the estimated percentage of the T.S. limit released to date. The amount released to date, including this release, was 0.2497% gamma air dose, 0.369% beta air dose and 0.0911% infant thyroid dose. The sample could be released as long as the total amount released to date did not exceed 100%. When the redundant sample was taken on March 29, 1985 from the gas left in the GWD tank, the results agreed with those from the previous sample. Therefore, the health and safety of the public was not affected.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

## Corrective Action:

The corrective action taken was to sample and analyze a redundant sample on the gas remaining in the GWD tank after the release was terminated. The personnel involved was also counseled about the error committed.

Future action is to rewrite the Gaseous Waste Sample Request to allow a place for the results of two samples. The rewrite will also have a sign off for the determination of redundant sampling requirements by HP personnel.

**DUKE POWER COMPANY**

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HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

April 29, 1985

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Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Subject: Oconee Nuclear Station, Units 1, 2 and 3  
Docket Nos. 50-269, -270, -287  
LER 269/85-04

Gentlemen:

Pursuant to 10 CFR 50.73 Sections (a) (1) and (d), attached is Licensee Event Report 269/85-04 concerning the release of the Gaseous Waste Disposal Tank without a redundant sample analysis. This report is submitted in accordance with §50.73(a)(2)(i)(B). This event was considered to be of no significance with respect to the health and safety of the public.

Very truly yours,

*H.B. Tucker / BT*

Hal B. Tucker

S/G:slb

Attachment

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