

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Oconee Nuclear Station, Unit 3										DOCKET NUMBER (2) 0 5 0 0 0 2 8 7 1 OF 0 2										PAGE (3) 1 OF 0 2																																																					
TITLE (4) Missed Hydrogen Concentration Sampling of Isolated GWD Tank																																																																									
EVENT DATE (5)										LER NUMBER (6)										REPORT DATE (7)										OTHER FACILITIES INVOLVED (8)																																											
MONTH			DAY			YEAR			YEAR			SEQUENTIA NUMBER			REVISION NUMBER			MONTH			DAY			YEAR			FACILITY NAMES										DOCKET NUMBER(S)																																				
1			0			1			7			8			5			8			5			0			0			4			0			0			1			1			5			8			5			0 5 0 0 0										0 5 0 0 0									
OPERATING MODE (9)										THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																				73.71(b)																																											
POWER LEVEL (10)										20.402(b)										20.406(c)										50.73(a)(2)(iv)										73.71(e)																																	
SI/ID										20.406(a)(1)(i)										50.36(e)(1)										50.73(a)(2)(v)										OTHER (Specify in Abstract below and in Text, NRC Form 366A)																																	
										20.406(a)(1)(ii)										50.36(e)(2)										50.73(a)(2)(vii)																																											
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LICENSEE CONTACT FOR THIS LER (12)																																																																									
NAME S. G. Godwin - Licensing																				TELEPHONE NUMBER 7 0 4 3 7 3 1 - 2 3 6 2																																																					
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																																																									
CAUSE			SYSTEM			COMPONENT			MANUFAC- TURER			REPORTABLE TO NPRDS						CAUSE			SYSTEM			COMPONENT			MANUFAC- TURER			REPORTABLE TO NPRDS																																											
SUPPLEMENTAL REPORT EXPECTED (14)																				EXPECTED SUBMISSION DATE (15)										MONTH DAY YEAR																																											
YES (If yes, complete EXPECTED SUBMISSION DATE:)																				X NO																																																					

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

On October 16, 1985 at 0500 hours, Gaseous Waste Disposal (GWD) Tank 3C was pressurized from the GWD vent heater and isolated by a Control Room Operator. On October 17, 1985 at 0500 hours, Technical Specification (TS) 4.1.3 was violated because hydrogen concentration sampling was not performed within 24 hours after isolation of the tank.

The TS violation was discovered at approximately 2000 hours on October 18, 1985, at which time a sample was taken and the gaseous contents of the GWD tank was analyzed for hydrogen concentration. The results of the sample were within the limits of TS 3.10.6.

This incident is classified as Personnel Error because responsible personnel failed to follow the procedure for isolating a GWD tank.

Unit 3 was undergoing shutdown evolutions of the primary and secondary systems at the time of the gaseous waste transfer and isolation of the GWD tank.

Although the surveillance frequency for sampling the tank to determine concentration of hydrogen was exceeded; when sampled, the hydrogen concentration was below the flammability limit. Therefore, the health and safety of the public were not affected.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Oconee Nuclear Station, Unit 3	0 5 0 0 0 2 8 7 8 5	-	0 0 4	-	0 0	0 2	OF 0 2

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

Description of Occurrence:

On October 18, 1985 at approximately 2000 hours, the GWD tank 3C was noted at 30 psig even though it was not the inservice GWD tank. A search of the files did not yield paperwork on the status of the tank. The GWD tank pressure strip chart revealed that the tank had been pressurized and isolated on the morning of October 16, 1985. Since the tank had been isolated containing vent header gases, a request for hydrogen sampling was initiated at 2115 hour on October 18, 1985. Chemistry determined the gaseous contents of the tank to be within the limits of Technical Specification 3.10.6.

It was also determined that Technical Specification 4.1.3 had been violated because the GWD tank had been isolated for greater than 24 hours without hydrogen concentration surveillance. The tank had been isolated for approximately 64 hours when it was finally sampled and analyzed.

Cause of Occurrence:

The root cause of this incident was the failure of personnel to follow proper procedure when transferring gas from an inservice GWD tank. There is a step in the procedure that requires the initiation of a chemistry request for hydrogen sampling of the isolated GWD tank. The incident is therefore being classified as Personnel Error.

Contributing factors to this incident were the large quantities of gaseous waste being generated due to Unit 1 Startup and Unit 3 shutdown, the malfunction of a pump, and the proximity of shift turnover time. These factors distracted personnel from filling out the required paper work on GWD Tank 3C. It is evident that the involved personnel knew of the Gaseous Waste Disposal System operating procedure since he had isolated GWD Tank 3B by procedure approximately 90 minutes prior to isolating GWD Tank 3C.

A review of past Reports indicated several investigations associated with the GWD System. Included in these reports are some involving personnel errors.

Corrective Action:

The immediate corrective action was to sample and analyze the hydrogen concentration of the GWD tank. This verified that the hydrogen concentration was below the 3% limit imposed by Technical Specification 3.10.6. In addition, the involved personnel was counselled to assure that the GWD system operating procedure will be followed in the future.

Analysis of Occurrence:

The lapse hydrogen surveillance of GWD Tank 3C was a violation of Technical Specification 4.1.3 (Surveillance Requirements). However, the hydrogen concentration in GWD Tank 3C, during the isolation period, was below the flammability limit. Therefore, the health and safety of the public were not affected.

**DUKE POWER COMPANY**

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**HAL B. TUCKER**

VICE PRESIDENT  
NUCLEAR PRODUCTION

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November 15, 1985

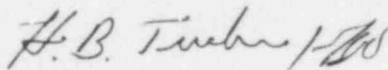
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Washington, D. C. 20555

Subject: Oconee Nuclear Station, Unit 3  
Docket Nos. 50-269, -270, -287  
LER 287/85-04

Gentlemen:

Pursuant to 10 CFR 50.73 Sections (a) (1) and (d), attached is Licensee Event Report 287/85-04 concerning a missed hydrogen concentration sampling of isolated Gaseous Waste Disposal tank. This report is submitted in accordance with 50.73(a)(2)(i). This event was considered to be of no significance with respect to the health and safety of the public.

Very truly yours,



Hal B. Tucker

SGG:slb

Attachment

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