

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) McGuire Nuclear Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 6 1 9	PAGE (3) 1 OF 014
---	--	----------------------

TITLE (4) Missed Surveillance of the Cumulative Offsite Dose from Liquid and Gaseous Effluents Periodic Test

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)																																																																																															
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)																																																																																													
0	1	2 9 8 6	8 6	0 0 4	0	0	2	2 5 8 6	McGuire - Unit 2		0 5 0 0 0 3 7 0																																																																																													
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="12">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)</td> </tr> <tr> <td colspan="3">OPERATING MODE (9)</td> <td colspan="3">20.402(b)</td> <td colspan="3">20.406(c)</td> <td colspan="3">50.73(a)(2)(iv)</td> <td colspan="3">73.71(b)</td> </tr> <tr> <td colspan="3">POWER LEVEL (10)</td> <td colspan="3">20.405(a)(1)(i)</td> <td colspan="3">50.36(c)(1)</td> <td colspan="3">50.73(a)(2)(v)</td> <td colspan="3">73.71(c)</td> </tr> <tr> <td colspan="3">1 0 0</td> <td colspan="3">20.405(a)(1)(ii)</td> <td colspan="3">50.36(c)(2)</td> <td colspan="3">50.73(a)(2)(vii)</td> <td colspan="3" rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.405(a)(1)(iii)</td> <td colspan="3">X 50.73(a)(2)(i)</td> <td colspan="3">50.73(a)(2)(viii)(A)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.405(a)(1)(iv)</td> <td colspan="3">50.73(a)(2)(ii)</td> <td colspan="3">50.73(a)(2)(viii)(B)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.405(a)(1)(v)</td> <td colspan="3">50.73(a)(2)(iii)</td> <td colspan="3">50.73(a)(2)(x)</td> </tr> </table>												THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)												OPERATING MODE (9)			20.402(b)			20.406(c)			50.73(a)(2)(iv)			73.71(b)			POWER LEVEL (10)			20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)			73.71(c)			1 0 0			20.405(a)(1)(ii)			50.36(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)						20.405(a)(1)(iv)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(B)						20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(x)		
THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																																																																																																								
OPERATING MODE (9)			20.402(b)			20.406(c)			50.73(a)(2)(iv)			73.71(b)																																																																																												
POWER LEVEL (10)			20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)			73.71(c)																																																																																												
1 0 0			20.405(a)(1)(ii)			50.36(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)																																																																																															
			20.405(a)(1)(iv)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(B)																																																																																															
			20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(x)																																																																																															

LICENSEE CONTACT FOR THIS LER (12)

NAME Julio G. Torre, Licensing	TELEPHONE NUMBER
	AREA CODE: 7 1 0 1 4 3 7 1 3 1 - 1 8 1 0 1 2 1 9

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
--	-------------------------------	-------	-----	------

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

On February 4, 1986, during the review of a Compliance Periodic Test schedule, it was discovered at 1000 that the Unit 1 and Unit 2 Cumulative Offsite Dose from Liquid and Gaseous Effluents Periodic Test (PT) had not been performed by the required date. Technical Specifications require this PT to be performed once every 31 day surveillance period. The subject PT was required to be performed by January 29, 1986. Immediately, Duke Power Compliance personnel were notified, and the PT was successfully completed on February 4, 1986 at 1430. A program has also been implemented to ensure that responsible staff members receive a copy of the weekly PT schedule indicating the date required to have assigned PTs completed.

Unit 1 and Unit 2 were in Mode 1 at 100% power at the time of the discovery.

This incident is classified as a Personnel Error because the responsible Duke Power personnel did not review the Compliance PT schedule as required, and the responsible Coordinator failed to monitor the progress of assigned PTs on a weekly basis to ensure PTs are completed prior to required due dates.

The dose commitments for the subject surveillance period did not exceed the Technical Specification limits.

8603100616 860225
PDR ADOCK 05000369
S PDR

IE 22
11

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) McGuire Nuclear Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 6 9	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 6	- 0 0 4	- 0 0	0 2	OF 0 4

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

On February 4, 1986, during the review of a Compliance Periodic Test schedule, it was discovered at 1000 that the Unit 1 and Unit 2 Cumulative Offsite Dose from Liquid and Gaseous Effluents Periodic Test (PT) had not been performed by the required date. Technical Specifications require this PT to be performed once every 31 day surveillance period. The subject PT was required to be performed by January 29, 1986. Immediately, Duke Power Compliance personnel were notified, and the PT was successfully completed on February 4, 1986 at 1430. A program has also been implemented to ensure that responsible staff members receive a copy of the weekly PT schedule indicating the date required to have assigned PTs completed.

Unit 1 and Unit 2 were in Mode 1 at 100% power at the time of the discovery.

This incident is classified as a Personnel Error because the responsible Duke Power personnel did not review the Compliance PT schedule as required, and the responsible Coordinator failed to monitor the progress of assigned PTs on a weekly basis to ensure PTs are completed prior to required due dates.

The dose commitments for the subject surveillance period did not exceed the Technical Specification limits.

BACKGROUND

When Liquid Waste Releases (LWR) and Gaseous Waste Releases (GWR) are performed, representative samples are obtained and analyzed. The resulting data is input to an LWR or GWR Release Rate computer program. The information from each release, for a given month, is totalized and used in the Cumulative Offsite Dose Calculations (LADTAP/GASPAR) computer program to calculate the offsite dose for the station making the releases. The LADTAP/GASPAR computer program performs the task for each Duke Power nuclear station. Each month the Radwaste Engineering staff receives a copy of the LADTAP/GASPAR report for each nuclear station. The responsible Radwaste Engineering staff member reviews the results, compares the calculated dose to specified limits, and mails a copy of the LADTAP/GASPAR report to each nuclear station through the company mail.

The purpose of the Cumulative Offsite Dose from Liquid and Gaseous Effluents PT is to determine the offsite dose as a result of LWRs and GWRs during the previous month and to verify that offsite exposures are within the limits specified in Technical Specifications 3.11.1.2a, 3.11.1.2b, 3.11.2.2a, 3.11.2.2b, 3.11.2.3a, and 3.11.2.3b. The preferred method of performing the PT is to use the offsite dose calculations from the LADTAP/GASPAR report. If the LADTAP/GASPAR report is not available the PT describes the method to perform manual calculations. The LADTAP/GASPAR or the manually calculated offsite dose calculations are then used to determine if the specified exposure limits have been exceeded.

Each week the Compliance group provides a responsible Coordinator with a PT schedule. It is the responsibility of the Coordinator to assign PTs to staff members and ensure PTs are completed within the appropriate surveillance period. The schedule is then posted so that the responsible Duke Power personnel can review the schedule for appropriate due dates.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) McGuire Nuclear Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 6 9	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 6	- 0 0 4	- 0 0 0	3	OF 0 4

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

DESCRIPTION OF EVENT:

On January 13, 1986, Duke Power Radwaste Engineering staff received and reviewed the December, 1985, LADTAP/GASPAR report for McGuire Nuclear Station. On January 23, 1986, the LADTAP/GASPAR report was mailed, via company mail, to the Station Coordinator and to the responsible station staff member. Each month when the staff member in question receives the LADTAP/GASPAR report, the PT is completed, and routed to the responsible Coordinator. The staff member relied on the receipt of the LADTAP/GASPAR report to complete the Cumulative Offsite Dose from Liquid and Gaseous Effluents PT. The LADTAP/GASPAR report mailed on January 23 had not arrived to the station by January 29 when the PT was due, and the test was not performed as required. Also, the subject Coordinator failed to monitor the progress of assigned PTs on a weekly basis to ensure the PT in question was completed within the scheduled time period.

On February 4, 1986, at 1000, while reviewing the Compliance PT schedule, it was discovered that the PT in question had not been performed within the 31 day surveillance period. The responsible Coordinator and Compliance personnel were immediately notified of the missed surveillance. Then, a second copy of the December LADTAP/GASPAR report was requested from Duke Power Radwaste Engineering personnel. The subject report was delivered to the station, and the PT was completed on February 4, at 1430. The copy of the LADTAP/GASPAR report mailed December 23, 1985, arrived at the station February 4, at 1615.

There was no release of radioactive materials, radiation exposure, or personnel injury as the result of this incident.

A review of past Licensee Event Reports indicates that McGuire Nuclear Station has not previously experienced an incident of this nature. Therefore, this is considered an isolated incident.

CORRECTIVE ACTION:

Immediate: Compliance personnel were notified of the missed PT.

Subsequent: The PT was completed.

Duke Power has implemented a program to ensure that appropriate staff members receive a copy of the weekly PT schedule indicating the date required to have assigned PTs completed. The responsible Coordinator will review the PT schedule and the progress of the PTs for that week during weekly staff meetings.

SAFETY ANALYSIS:

The Cumulative Offsite Dose from Liquid and Gaseous Effluents PT ensures that offsite dose calculations are performed in accordance with the methodology and parameters set forth in the Duke Power Company Nuclear Production Department Offsite Dose Calculations Manual at least once per 31 days for all releases during a given month. The resulting quarterly and annual dose commitments are

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) McGuire Nuclear Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 6 9	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 6	- 0 0 4	- 0 0	0 4	OF 0 4

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

compared to Technical Specifications 3.11.1.2a, 3.11.1.2b, 3.11.2.2a, 3.11.2.2b, 3.11.2.3a, or 3.11.2.3b, calculations would be made including direct radiation contributions from the units and from outside storage tanks to determine whether limits are exceeded as per Technical Specification 3.11.4. If such were the case, in lieu of a Licensee Event Report, a Special Report would be prepared and submitted to the NRC that would define the corrective actions to be taken to reduce subsequent releases, to prevent recurrence of exceeding the above limits, and a schedule for achieving conformance with the above limits. The dose commitments for December, 1985, did not exceed the Technical Specification limits.

The health and safety of the public were not affected by this incident.

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

February 25, 1986

Document Control Desk

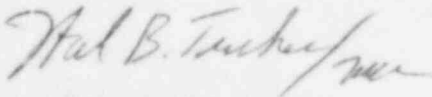
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: McGuire Nuclear Station, Unit 1
Docket No. 50-369
LER 369-86-04

Gentlemen:

Pursuant to 10 CFR 50.73 Sections (a)(2)(i), attached is Licensee Event Report 369-86-04 concerning a Missed Surveillance of the Cumulative Offsite Dose From Liquid and Gaseous Effluents Periodic Test. 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

JGT/jgm

Attachment

xc: Dr. J. Nelson Grace
Regional Administrator
Region II
U.S. Nuclear Regulatory Comm.
101 Marietta St. NW, Suite 2900
Atlanta, Georgia 30323

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
The Exchange, Suite 245
270 Farmington Avenue
Farmington, CT 06032

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

Mr. Darl Hood
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Reg.
Washington, D.C. 20555

M&M Nuclear Consultants
1221 Avenue of the Americas
New York, New York 10020

Mr. W.T. Orders
NRC Resident Inspector
McGuire Nuclear Station

IE 22
1/1

Document Control Desk
February 25, 1986
Page 2

bx: P.M. Abraham
R.S. Bhatnager
R.T. Bond
D.R. Bradshaw
K.S. Canady
L.M. Coggins
G.A. Copp - MNS
R.C. Futrell
S.A. Gewehr
R.L. Gill
C.W. Graves, Jr.
G.W. Hallman
T.P. Harrall
C.L. Hartzell
A.R. Hollins
T.L. McConnell
J.J. McCool
E.O. McCraw
M.D. McIntosh
T.E. Mooney
P.B. Nardoci
R.P. Ruth
N.A. Rutherford
A.L. Snow
J.B. Day
G.E. Vaughn
R.L. Weber
L.L. Williams (w)
File: MC-801.02
MC-815.04