

Loo, Wade

From: Heather Gepford *LG*
Sent: Thursday, May 15, 2008 8:04 AM
To: Brian Bonser
Cc: Wade Loo
Subject: Catawba sump w/identified Sr-89 activity
Attachments: P5144123.JPG; P5144122.JPG; P5144124.JPG; P5144120.JPG; P5144121.JPG

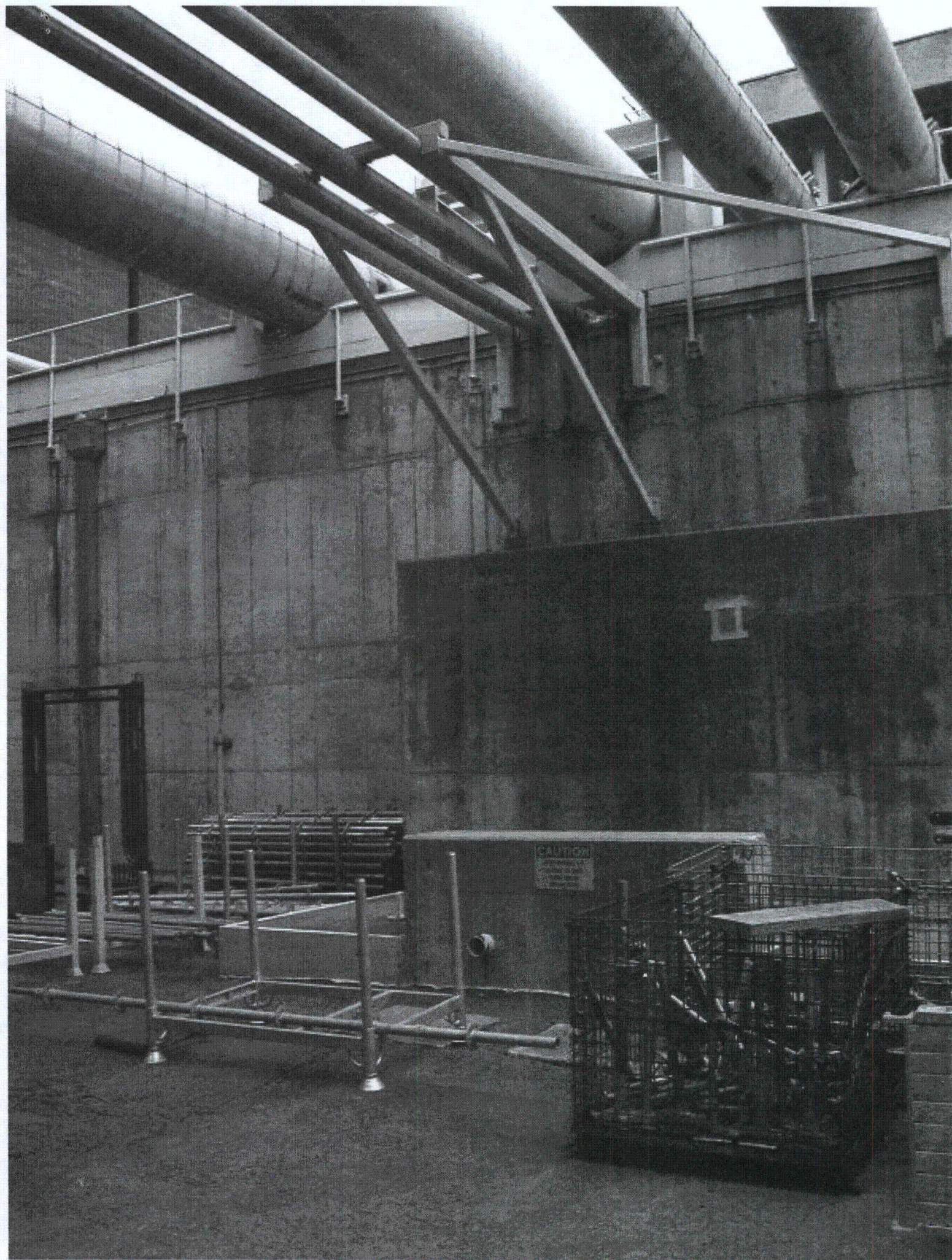
Catawba received their quarterly composite sample results for the groundwater drainage sumps yesterday. Aux Bldg Groundwater Drainage Sump A, WZ-A, had a positive indication of Sr-89. Specifically, the sample contained 0.925 +/- 0.4 pCi/l of Sr-89. MDA was 0.6 pCi/l.

This activity is equal to 9.25E-10 uCi/ml. Release limit for Sr-89 in effluents is 8E-6 uCi/ml; release to sewer is 8E-5 uCi/ml.

The licensee's immediate corrective actions were to resample the sump (composite sample) yesterday afternoon and change the sampling frequency to monthly. Corporate is working with their groundwater monitoring consultant to determine what, if any, additional actions should be taken.

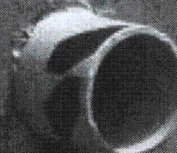
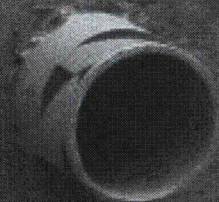
The aux bldg groundwater drainage sump is one of four sumps on site that will automatically discharge to the yard when a high level setpoint is reached. The discharge then drains to the yard drains which are routed to a holding pond. There is no indication at present of Sr-89 in the groundwater.

Pictures of the discharge piping, coming out of the sump, are attached.



CAUTION

DISCHARGE OF
WATER AT ANY
TIME FROM
OPEN PIPE



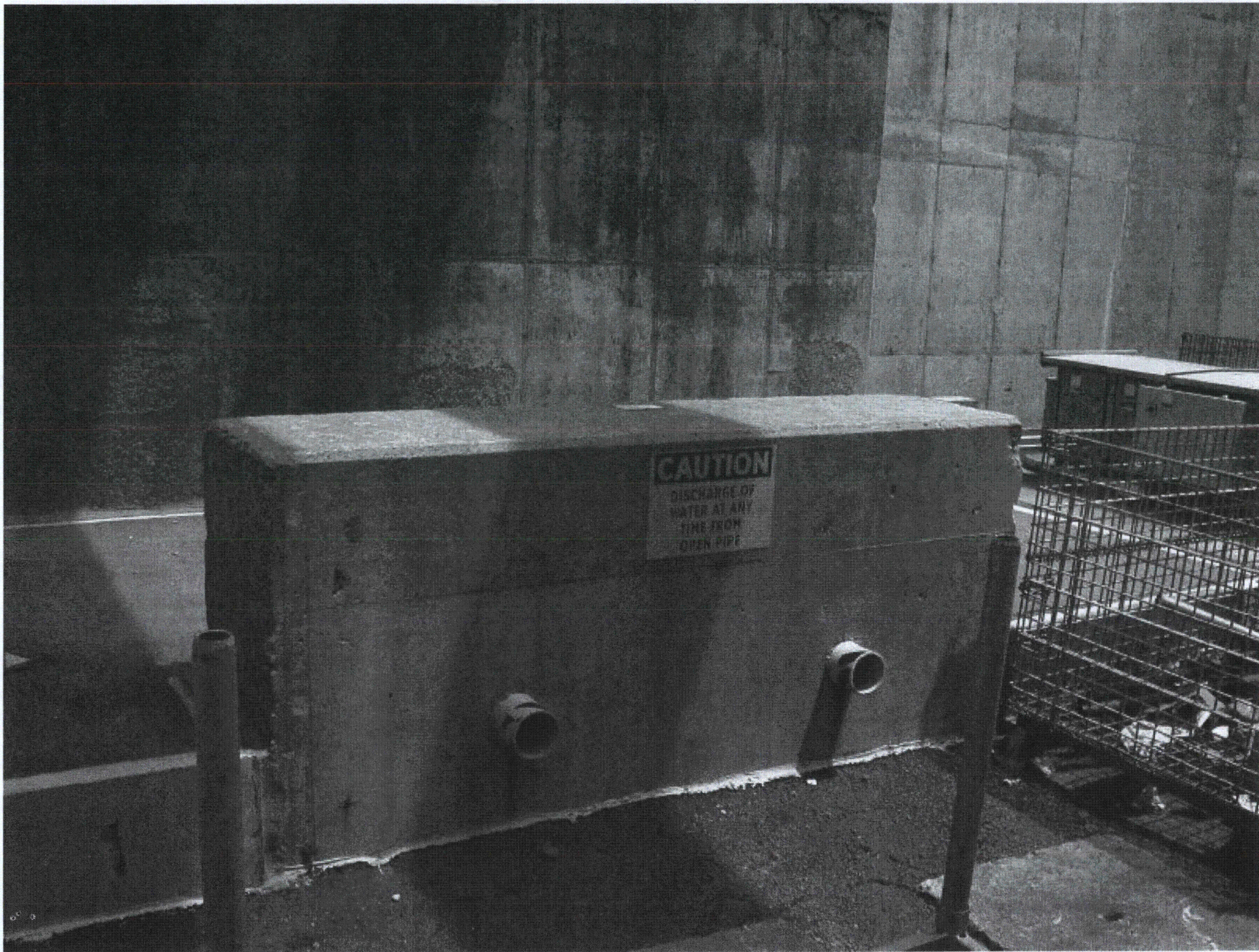


13023

AUXILIARY BUILDING
GROUNDWATER
DRAINAGE
SUMP A

DO NOT OPEN

DO NOT OPEN THIS DOOR TO THE
GROUNDWATER DRAINAGE SUMP



Enclosure 4.11
Event Notification Report

RP/0/B/5000/013
Page 1 of 2

STATE: "THIS IS THE CATAWBA NUCLEAR SITE IN NRC REGION 2 MAKING AN EVENT NOTIFICATION REPORT"					EN #
NOTIFICATION TIME/DATE	UNIT	CALLER'S NAME	CALLBACK TELEPHONE #: ENS 1-803-831-3920 (C/R) or 1-803-831-2674 (TSC)	NRC OPERATIONS OFFICER CONTACTED	
NRC OPERATION TELEPHONE NUMBER: PRIMARY - 1-301-816-5100 or 1-800-532-3469; BACKUPS - [1st] 1-301-951-0550 or 1-800-449-3694; [2nd] 1-301-415-0550; and [3rd] 1-301-415-0553					
EVENT TIME & ZONE _____ Region II (time) (zone)		EVENT DATE	POWER/MODE BEFORE	POWER/MODE AFTER	
IMMEDIATE		4-HR NON-EMERGENCY 10CFR72.75(b)ISFSI		8-HR NON-EMERGENCY 10CFR72.75(c) ISFSI	
EVENT CLASSIFICATION (GE, SAE, ALERT, NOUE) 50.72 or 72.75 (ISFSI)		(1) TS Deviation for ISFSI		(1) Defect in ISFSI SSC	
		(2) Offsite Notification for ISFSI		(2) ISFSI Confinement System	
PHYSICAL PROTECTION OF PLANT OR MATERIALS				(3) Offsite medical (ISFSI)	
		8-HR NON-EMERGENCY 10 CFR 50.72(b)(2)			
TRANSPORTATION (10 CFR 20)		(ii)(A) Degraded Condition		24-HOUR NON-EMERGENCY ISFSI	
MATERIAL/EXPOSURE (10 CFR 20)		(ii)(B) Unanalyzed Condition		Radiological Exposure 10CFR20.2202	
		(iv)(A) Valid System Actuation		Fitness For Duty 10CFR26.73	
1-HR NON-EMERGENCY 10CFR50.72(b)(1)		(v)(A) Safe S/D Capability		Operating License Deviation	
TS Deviation pursuant to 10CFR50.54(x)		(v)(B) RHR Capability			
Accidental Criticality or Loss/Theft of Material		(v)(C) Control of Radiological		24-HOUR NON-EMERGENCY ISFSI	
		(v)(D) Accident Mitigation		ISFSI Lost Safety Function 72.75(d)(1)	
4-HR NON-EMERGENCY 10CFR50.72(b)(2)		(xii) Offsite Medical			
(i) TS Required S/D		(xiii) Lost ENS		30 DAY NON EMERGENCY 10CFR20.2201	
(iv)(A) ECCS Discharge to RCS		(xiii) Lost Emergency Assessment			
(iv)(B) RPS Actuation when Rx is critical		(xiii) Lost Offsite Communications		Theft, Lost or Missing Material	
(xi) Offsite Notification		(xiii) Emergency Siren Inoperable			
				60-DAY OPTIONAL 10CFR50.730s)(1) Invalid Specified System Actuation	
				OTHER UNSPECIFIED REQUIREMENT (IDENTIFY)	
				Retraction	
EVENT DESCRIPTION (Include: Systems affected, actuations & their initiating signals, causes, effect of event on plant, actions taken or planned, PARs etc.)					
CATEGORY		INITIATION SIGNAL			
____ REACTOR TRIP		____			
____ ESF ACTUATION		____			
____ ECCS ACTUATION		____			
____ SI FLOW		____			
____ LCO		____			
SYSTEM _____		Thirty new ground water monitoring wells were recently installed at Catawba Nuclear Station in support of the Nuclear Energy Institute (NEI) ground water initiative. The initial sampling of one of these wells displayed a level of tritium that triggered the communication protocol of the NEI initiative on ground water protection. The tritium concentration for this well was 42,335 picocuries per liter (pCi/l). The threshold for initiating the communication protocol is 20,000 pCi/l. This well is inside the owner controlled area. Adjacent wells surrounding this well do not have similar tritium levels. The station is continuing to investigate the source of the tritium identified in this well. Samples from the remaining wells are far below the communication protocol threshold. There is no public health risk associated with this well sample. There is no indication that tritium has migrated off the Catawba site in the ground water at the communication threshold. Also this well is not a drinking water source and therefore, there is no potential dose to plant workers or the public.			
COMPONENT _____					
CAUSE: ____ MECHANICAL		____ ELECTRICAL			
____ PERSONNEL ERROR		____ OTHER			
Continue on Enclosure 4.11 page 2 of 2 if necessary.					
NOTIFICATIONS	YES	NO	WILL BE	ANYTHING UNUSUAL OR NOT UNDERSTOOD? <input type="checkbox"/> YES <input type="checkbox"/> NO (Explain above)	
NRC RESIDENT					
STATE(s) NC SC				DID ALL SYSTEMS FUNCTION AS REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO (Explain above)	
LOCAL York County Gaston County Mecklenburg County				MODE OF OPERATION UNTIL CORRECTED:	ESTIMATED RESTART DATE:
OTHER GOV AGENCIES					
MEDIA/PRESS RELEASE					