

****AS REQUIRED, PRINT ISSUE REPORT AND PROVIDE TO YOUR SUPERVISOR****
Note: This is your only notice. You will not have an opportunity to print this confirmation later.

Exelon Nuclear Issue - Statement of Confirmation

Issue #: 00428868 Originator: ALLAN R HAEGER Submit Date: November 30, 2005

Basic Information

Affected Facility: Braidwood
 Discv Date: 11/30/2005 11:50
 How Discovered Code: H02
 Event Date: 11/30/2005 11:50
 Affected Unit: 00
 Affected Sys: --
 Subject: ELEVATED TRITIUM LEVELS IN ON-SITE MONITORING WELLS

CR for current H₃ activity found adjacent to SMILEY ROAD.

Required Information

Condition Description: Elevated levels of tritium have recently been identified in certain on-site groundwater sampling wells. The exact source has not been located nor has the source been determined to be active or historical.

Immediate actions taken: An issue management team has been formed to address this issue. The team will address characterization of the extent of the elevated tritium levels, including the potential for elevated levels off-site; identification and elimination of the source if still active; remediation of the affected areas; communications with government agencies and any potentially affected members of the public; and regulatory interface.

Recommendation for action: The issues management team will address the immediate actions required for this issue. A root cause should be initiated to document the immediate actions, as well as to capture the cause, additional extent of condition investigations, and corrective actions to prevent recurrence. Also, the station's documentation of previous leaks in accordance with 10 CFR 50.75(g) needs to be reviewed.

Supervisor Verbally Contacted: John Moser

Optional Additional Information

What activities, processes, or procedures were involved? The elevated levels were discovered in monitoring wells that were recently installed to provide enhanced ground water monitoring capability.

Why did the condition happen? Unknown. It is believed the source may be from historical vacuum breaker leaks, but this needs to be confirmed.

What are the consequences? Undesired elevated tritium levels on site property. Potential for these elevated levels to have migrated off-site.

Any procedural requirements impacted? None.

Identify any adverse physical conditions: As described above.

List of Knowledgeable Individuals: John Moser
 Jim Gosnell
 Dale Ambler

Is this a repeat or similar condition? The discovery is part of an expanded sampling program as discussed above.

D-70

CR for 1998 leakage from Vacuum Breaker-1.
No ACE OR RCR DONE FOR THIS ISSUE.

PIF #: A1998-04324

ORIGINATOR

Title : CW Blowdown Vacuum Breaker Leak
 Event Date : 12/04/1998 Event Time : 11:00 AM
 Discovery Date : 12/04/1998 Discovery Time : 11:00 AM
 Unit : 00 Unit Mode : 1 % Power : 100 System : CW
 EPN : OCW060 Location : OFFSITE

OCCURED/DISCOVERED WHILE PERFORMING :

AR # : 980127750 WR # : WR TASK # :
 SURV # : RWI # : QM/RWI # :
 OOS # : PCE # : OTHER # :
 OTHER DESCRIPTION

PROBLEM DESCRIPTION

POND OF WATER FOUND ON PROPERTY, WITH STANDING WATER IN ROAD DITCH ALONG SMILEY RD.

KNOWLEDGEABLE PERSONS : joe tidmore

IMMEDIATE ACTION TAKEN

AR WRITTEN MONDAY AFTER SOUTHERN DIV. PR CONTACTED BY NEIGHBOR. SE SIGHTED LEAKING VACUUM BREAKER FROM THE SOUTH WAS UNAWARE OF THE "POND" TO THE NORTH. CHEMISTRY CONTACTED ENVIRONMENTAL SERVICES. AR STATUS CHANGED TO B1 DUE TO POSSIBLE RELEASE PERMIT VIOLATION.

AR # : 980127750 WR # : WR TASK # :
 TRIP # : PROCEDURE # : ER # :
 HOLD TAG # : REJECT TAG # :
 ORIGINATOR : Johnson, david m. EXT : 2476 DEPT : SE ORIGINATED DATE: 12/05/08

SUPERVISOR

HOW IT HAPPENED

OCW060 VACUUM BREAKER FAILED CAUSING VALVE PIT TO FILL UP AND OVERFLOW TO THE GROUND.

WHY IT HAPPENED

UNKNOWN

A PCR WAS DONE FOR THIS ISSUE.

PIF #: A2000-04281

ORIGINATOR

Title : Failed Circ Water Blowdown Vacuum Breaker Caused Unplanned Flooding Outside of the Power Block
 Event Date : 11/06/2000 Event Time : 02:30 PM
 Discovery Date : 11/06/2000 Discovery Time : 03:00 PM
 Unit : 00 Unit Mode : 1 % Power : System : CW
 EPN : 0CW135,0CW136 Location : OTHER

OCCURED/DISCOVERED WHILE PERFORMING :

AR # : WR # : WR TASK # :
 SURV # : RWP # : QRI/RIN # :
 OOS # : PCE # : OTHER # Followup inspection

OTHER DESCRIPTION
 Circ Water blowdown corridor-east of plant

PROBLEM DESCRIPTION

I RECEIVED A CALL FROM THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (BILL PAPADAKIS) ABOUT A REPORT OF WATER STANDING IN THE DITCH AT SMILEY ROAD. HE SAID THIS HAS BEEN THERE FOR A WHILE AND WE HAVEN'T HAD ANY RAIN UNTIL TODAY. HE ASKED IF I HAD ANY IDEA WHERE IT MIGHT BE COMING FROM. I SAID I DIDN'T KNOW BUT WOULD LOOK INTO IT AND GET BACK TO HIM. I NOTIFIED CAL WALRATH (2202) OF THE CALL AND SAID I WAS GOING OUT TO LOOK, AND THAT I SUSPECTED IT MAY BE A VACUUM BREAKER PROBLEM ON THE BLOWDOWN LINE. WHEN I APPROACHED THE VACUUM BREAKER (CONTAINING VALVES 0CW135 & 0CW136), I NOTICED WATER POURING OUT FROM THE MANHOLE COVER. THE ENTIRE AREA WAS SATURATED. UPON ARRIVAL BACK AT THE PLANT, I UPDATED THE OCC WITH THE RESULTS. ARRANGEMENT BEGAN TO PUT TOGETHER THE APPROPRIATE WORK PACKAGES AND OPERATING BEGAN LOOKING INTO ISOLATION OF THE BLOWDOWN FLOW.

KNOWLEDGEABLE PERSONS : Louis Rhoden, Carl Dunn, Mark Trushelm, Bill Vandermyde

IMMEDIATE ACTION TAKEN

I NOTIFIED BILL POPADAKIS (IEPA) OF WHAT I HAD FOUND. I EXPLAINED THE SOURCE OF THE WATER AND A DESCRIPTION OF THE AREA. HE STATED THAT HE WOULD NOT NEED ANY WRITTEN FOLLOW UP AT THIS TIME AND SINCE THE WATER WAS CONTAINED IN THE DITCH, WE DID NOT NEED TO SAMPLE. THERE WERE NO NPDES PROBLEMS. I TOLD HIM I WOULD UPDATE HIM WEDNESDAY MORNING. OPERATING FOLLOWED UP BY SHUTTING DOWN BLOWDOWN FLOW.

AR # : WR # : WR TASK# :
 TIF/TRR # : PROCEDURE # ER # :
 HOLD TAG # : REJECT TAG # :
 ORIGINATOR : Joseph Tidmore EXT : 2299 DEPT : CH ORIGINATED DATE: 11/07/00