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From: Steven Orth  
 To: ATB@nrc.gov  
 Date: Sat, Feb 11, 2006 4:22 PM  
 Subject: Braidwood Chronology

Anne,

I've attached the chchronology that John House prepared concerning [REDACTED] the Braidwood leaks (1998 and 2000).

[REDACTED]

*EPS*

I will attempt to obtain additional information from him.

Thank you,

Steve

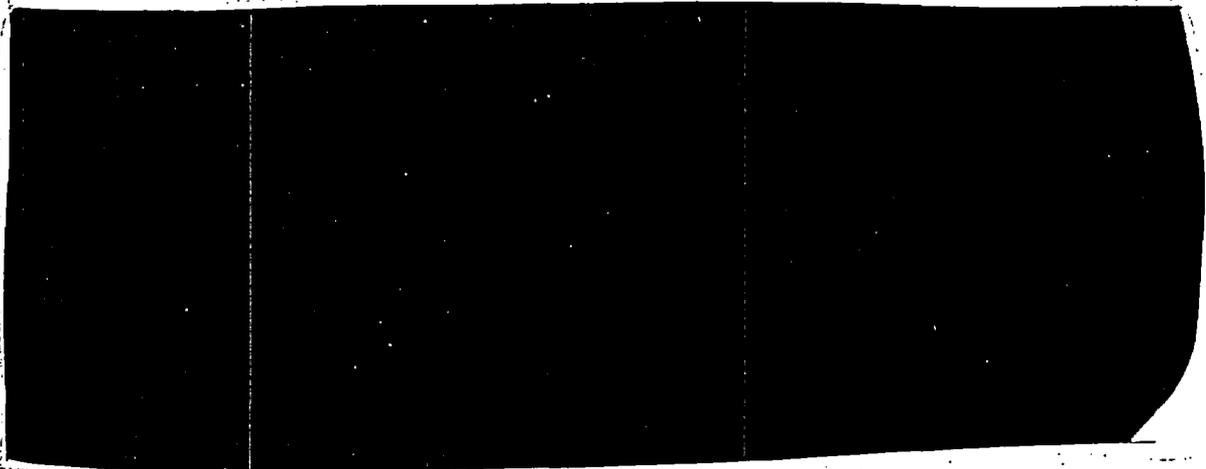
CC: RAS@nrc.gov

Information in this record was deleted  
 in accordance with the Freedom of Information  
 Act, exemptions *b1 & outside scope*  
 FOIA- *2006-715*

*6-145*

Chronology of [redacted] and 2000 Circulation Water Blowdown Line Vacuum Breaker Leaks

*outside scope*



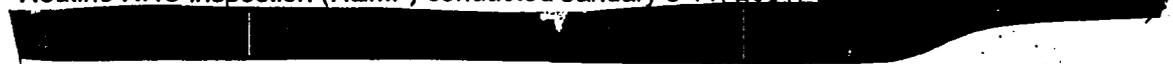
**2000 Leak:** On November 6, 2000, vacuum breaker 0CW136 was discovered leaking, following a report from a local resident of water in a ditch adjacent to his property. The breaker had been leaking for several days. Tritium was found the water contained in the ditch along Smiley road.



*ENS*

Licensee Root Cause Analysis AT # 382237 was completed on December 5, 2000.

Routine NRC inspection (REMP) conducted January 8-11, 2001.



*ENS*

The licensee's Annual Effluent Report for 2000 (issued April 2001) noted the leak as an abnormal release.

During June 2001, a routine Effluents inspection was performed.



*ENS*

On April 1, 2005 the licensee documented in AR-328451 that two water samples taken onsite at the downstream side of the culvert at the old A entrance gate had tritium levels of 539 and 582 pCi/L.

During the April - May, 2005 time frame, the licensee established a ground water monitoring program (onsite at first, then extended it offsite) to determine the extent of tritium contamination of the ground water.

On November 30, 2005 the licensee notified the NRC that onsite groundwater samples showed evidence of tritium contamination.

In December 2005, the NRC initiated an inspection to evaluate the licensee's actions and to determine if the tritium contamination of the groundwater constituted a health and safety issue.