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From: Steven Orth
To: James Lynch; Jan Strasma; John House; Nirodh Shah; Richard Skokowski; Roland Lickus; Viktoria Mityng
Date: 12/5/05 12:49PM
Subject: Green Ticket Response re. Tritium Leakage

Greetings,

For your information, the attached response was prepared regarding tritium contamination that has migrated offsite.

Thanks to all for your support,

Steve

CC: Bruce Burgess; Christine Lipa; Eric Duncan; Mark Ring; Mark Satorius; Patrick Loudon; Steven Reynolds; Thomas Kozak

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions outside scope
FOIA- 2006-115

6-40

Within Last Year

Braidwood

On November 30, 2005, the licensee informed the NRC Resident Inspectors of higher than expected tritium levels (~58,000 picoCuries per liter) measured in on-site monitoring wells at the norther edge of the owner controlled area. The licensee attributed the higher levels of tritium to historical vacuum breaker valve leakage in the circulating water blowdown line to the Kankakee River that occurred in 1998 and 2000. The licensee uses the blowdown line to perform liquid effluent releases to the river.

As of December 4, 2005, the licensee has detected measurable levels of tritium in offsite groundwater. Although nearby residential wells have not shown any tritium above normal background, the licensee detected elevated levels of tritium (as high as approximately 33,700 picoCuries per liter) in monitoring wells in a vacant development immediately offsite. The licensee continues to monitor and to develop plans for remediation.

*outside
scope*

out of scope