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To: Phillips, Monte
Date: 3/7/2006 1:00:00 PM
Subject: SAFE bd updates for [REDACTED] and Dresden

CC: Branch 1 PE/RE; Dresden RIO; [REDACTED]

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Act, exemptions scope

FOIA- 2006-130

D-21

Dresden tritium leak SAFE board update 3-7-06

Increased tritium levels were identified in ground water monitoring well near condensate storage tank (CST) supply line for both units' high pressure coolant injection (HPCI) systems. Licensee samples over the February 11-12 weekend confirmed HPCI piping is leaking. February 11 & 12, 2006, sample results were 486,000 pCi/L and 529,000 pCi/L. The HPCI supply and return piping were isolated. Licensee drained the piping inside the isolation points. In 2004, when the tritium leak was initially identified, the licensee replaced approximately 75 feet of an approximate 175 feet piping run from the CST to the 2/3 EDG room. The licensee suspects the leak is in the 100 feet of piping which was not replaced in 2004. The licensee had scheduled the replacement of this piping for June. The well is normally sampled quarterly per the well sampling program. The licensee is currently sampling this well and several others daily. The resident staff observed licensee sampling activities on 2/16. The licensee has excavated much of the CST and HPCI piping, but has not found the leak as of 3/7/06. Additional excavation is underway and scheduled to complete 3/25.