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From: Stephen Klementowicz *SK*
To: Anne Boland; Edwin Hackett; Peter Habighorst; Steven Orth; Stuart Richards; Timothy Frye; Undine Shoop
Date: 2/28/06 5:07PM
Subject: Tritium Slides for Commissioner Merrifield

Attached is a power point presentation on tritium. Also attached is our talking points for detailed information.

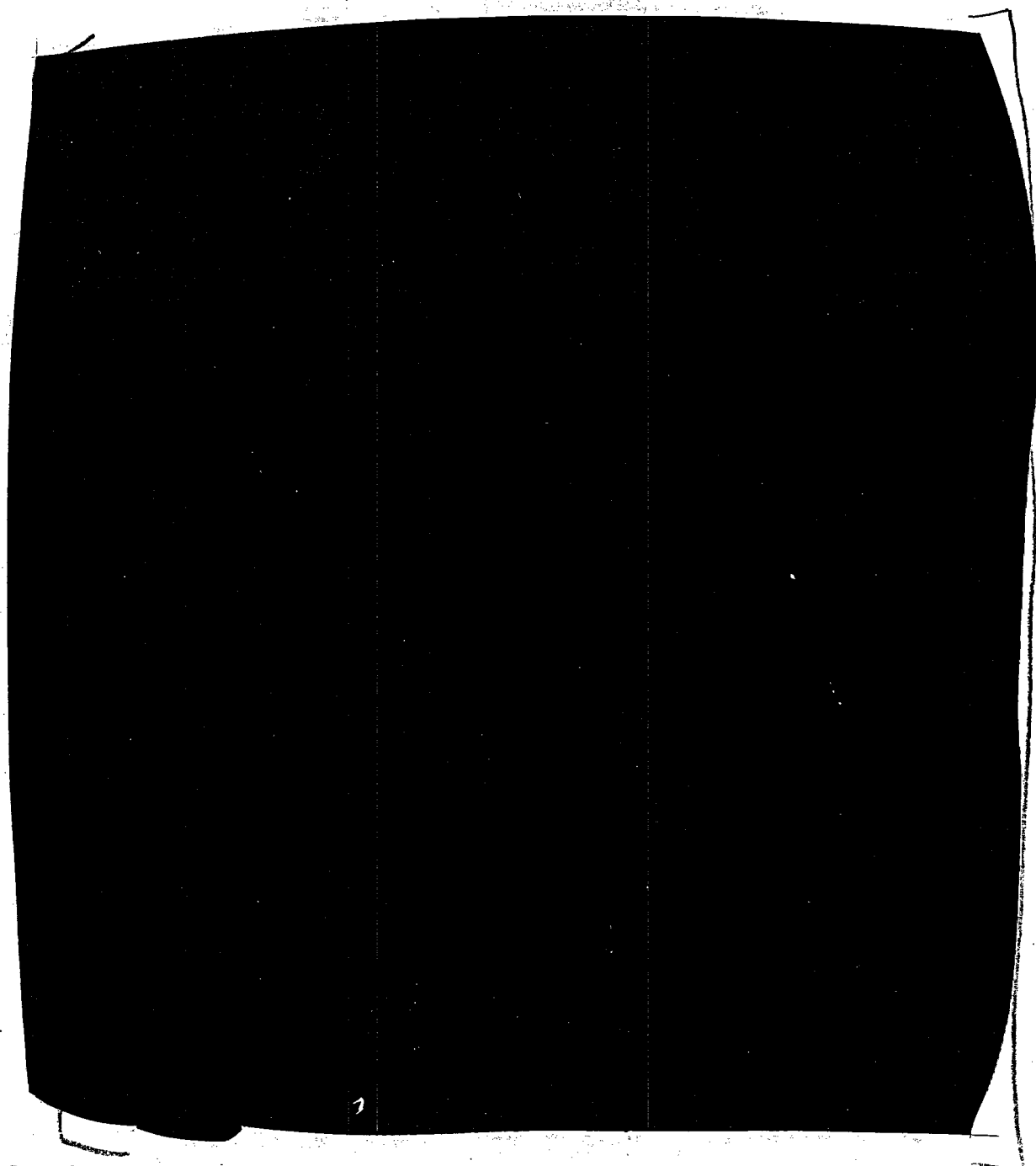
Steve K

CC: Michael Case

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FOIA-2006-120

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*Outsult
RPP*



Dresden

- Last month, a leak was identified in an underground pipe which carries tritiated water. (Line from the Condensate Storage Tank to the High Pressure Core Injection System)
- The pipe is located onsite at the plant very near the reactor buildings themselves. (Approximate 1/4 mile to nearest site boundary)
- The suspected pipe has been isolated and drained. The leak appears to be associated with a pipe that similarly leaked in 2004 - the licensee only replaced the portion of the pipe with the leak. Excavation has been put on hold to brace areas underneath the CST tank to ensure the ground does not collapse. Replacement of the pipe will then proceed.
- The leak was identified as a result of an existing onsite ground water monitoring

Release

system program. (On site levels have been up to approx. 600,000 pCi/l - as of February 24, 2006 levels in the two closest wells have stabilized between 20-50,000 pCi/l)

- The leak is believed to be less than 1000 gallons and localized to an approximate 30 foot area.
- Routine environmental wells were sampled in January and have indicated no change in tritium concentration due to the leak.
- The NRC, through the Resident Inspectors, are following up on the licensee's actions - we have also initiated observation of the licensee's sampling process and intend to split samples with them for NRC independent analysis.

Release

outside sample

