

Dresden

CST tritium concentrations 10 million pCi/l

631 gallons (2388 liters) CST water leaked before discovery (Exelon Press Release) This would be 23.8 mCi total before discovery and line isolation. They believe that is correctly bounded and are confident that they did not lose thousands of gallons.

CST lines to HPCI is isolated and draining was underway 2/14.

Well monitoring is being conducted daily at onsite wells around the leaking pipe to assure that the leak is bounded. On 2/14, 20 wells were monitored. Only 2 showed significant tritium, E-3 and T-6.

Well E-3: believed closest to the leak,

01/20 -9,000 pCi/l
01/30 -9,000 pCi/l
02/11 486,000 pCi/l
02/12 529,000 pCi/l
02/13 680,000 pCi/l
02/14 540,000 pCi/l

Well T-6, nearest the line repair of 2004, was found at 160,000 pCi/l on 2/14, the day excavation started to find the current leak. It was a prompt spike and could be associated with excavation in an other area. The licensee is investigating this reading.

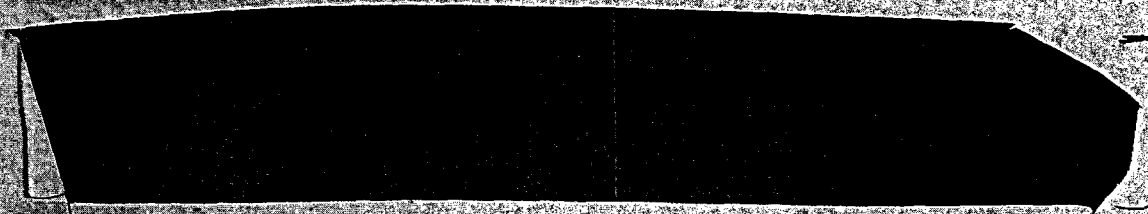
Excavation of the lines started 2/14/06. Contaminated soil is moved to an onsite berm and covered to limit water in-leakage. The soil will be used to backfill the excavation following the repairs.

Plant owns and controls the area north of the plant to the river. The discharge line leaves the plant north and enters the river directly, not crossing other property.

Groundwater south to north flow path was established and reviewed in the recent past.

Nearest member of the public drinking well is south of the plant and is monitored as part of the REMP program. The last sample was taken in January and the licensee does not have the results of that analysis back from the vendor at this time. The last sample was ~550 pCi/l and trending down.

Press Release and PN were issued 2/15. The specific actions for programmatic assessment mentioned in the PR have not been reviewed yet. We do know that frequency of monitoring of groundwater wells was cited as the method of early detection of this CST line leak.



out of scope

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Information in this record was deleted in accordance with the Freedom of Information Act exemptions outside scope 2006-150