

Dresden Groundwater Tritium Issue (continued)

FACT SHEET: Pipe Leak at Dresden - *Corrections*

- Dresden Station's former owner is Commonwealth Edison, not Consolidated Edison
- The pathway for radioactive material to reach the environment was identified by Dresden's groundwater monitoring program.
- Trended well and storm drain data shows the rise in groundwater tritium levels being indicative of the start of the leak in late 2003.
- Actions are in progress to correct the leak. The valves isolating the condensate storage tank have been closed. The piping has been excavated and will be replaced when materials are on site. Activities such as using inflatable plugs are being employed to reduce leakage. Ground water is being pumped from the excavation and is being processed by the plant in the on-site Radioactive Waste System
- Monthly sampling of on-site (inside the protected area) wells was performed on a routine basis from 1994 to 2001. With no incidence of change, the sampling of wells inside the protected area was reduced to a quarterly frequency in 2001. With no further evidence of change in tritium levels, the sampling of these wells was discontinued in June 2003. The wells off-site and on-site but outside the protected area, and surface water continue to be sampled on a quarterly basis. Sampling of site storm drains, which is conducted on a minimum calendar year frequency, revealed that as late as August 2003, no leak existed.
- A very small leak may have continued until it was identified by the on-site wells outside the protected area, the off-site wells, storm drains, or the surface water sampling. If it had been anything but a very small leak, it would have quickly percolated through the ground due to the head pressure provided by the CST.
- The sampling program for groundwater monitoring was initiated by Exelon, and is in addition to the normal sampling program that is directed by the NRC. Identification of the leak may have been more timely had the on-site sampling program continued at a routine rate.

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