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Indian Point Energy Center Daily Status Report

October 18, 2005

Operational Status

Indian Point Unit 2 is operating at 100% and has been online 318 days.

Indian Point Unit 3 is operating at 100% reactor power and has been on-line for 13 days.

Entergy Continues Spent Fuel Pool Investigation at Indian Point

Entergy, which owns and operates the Indian Point Energy Center, is continuing its investigation into leakage from the Unit 2 Spent Fuel Pool. This past week [] sampling wells were analyzed for radionuclides, in addition to [] sampling wells that were analyzed previously.

Exempt 4

Tritium, a radioactive isotope of hydrogen, was detectable in all five of the latest sampling locations. No other radionuclides attributable to plant operations were detected. Three of the five sampling points are located adjacent to the Unit 3 turbine building, between the turbine hall and the discharge canal. []

Exempt 4

The levels of tritium detected in these most recent samples ranged from about 4.0 E-7 to 1.6 E-6 (0.0000004 to 0.0000016) microcuries per milliliter. As a comparison, the EPA drinking water standard for tritium is 2.0 E-5 (0.00002) microcuries per milliliter, i.e., the sample results are 10 to 50 times below the EPA drinking water standard.

Previously a sample was taken from sampling wells in the IP2 transformer yard, about 150 yards from the IP2 spent fuel pool and two wells adjacent to the IP2 turbine building. The sample from the transformer yard showed tritium levels at 2.0 E-4, but no detectable amounts of tritium at the two wells adjacent to the IP2 turbine building.

Entergy monitors water wells near Indian Point as part of our normal monitoring activities, and no levels of tritium above background have been detected in these wells.

Entergy has engaged ground water hydrology experts to help determine the source of the tritium in the wells.

The existence of tritium at very low level is typical of an operating pressurized water reactor due to presence of tritium in the secondary or non-nuclear side in the steam



or condensed water and in various drains. These data and potential sources will be considered as part of the hydrology study currently under development. The presence of tritium at these levels does not pose a health risk to workers or the general public.

These sample locations have been added to our interim sampling protocol. The following chart summarizes the levels of tritium found in the wells and can be used for comparison:

Description	Tritium Concentration (microcuries per milliliter)	Comments
Water from the narrow cracks in the IP2 Spent Fuel Pool wall	2.0 E-2 (0.02)	This is a potential source for monitoring well in the transformer yard
Monitoring Well in Transformer yard	2.1 E-4 (0.00021)	The highest activity detected in any onsite well
Monitoring Wells (2) located south and adjacent to the IP2 turbine building	Non-Detectable	
EPA Drinking Water Standard	2.0 E-5 (0.00002)	Permissible level in drinking water
Typical Steam Generator (secondary side) water	1.0 E-6 to 4.0 E-6 (0.000001 to 0.000004)	
Maximum level detected in the 5 additional sample points near Unit-3	1.6 E-6 0.0000016	
Background tritium levels in U.S. drinking water	1.0 to 4.0 E-7 (0.0000001 to 0.0000004)	From USEPA Report 42, 1985.

Training Drill Scheduled for October 19

Entergy, New York State SEMO and the four counties in the Emergency Planning Zone will conduct a training drill for the new Joint Information Center on October 19. The drill will involve the Emergency Operations Center at Indian Point and the JIC located at the DOT Traffic Management Center in Hawthorne, N.Y.

Updated Dry Cask Storage Factsheets Available

Entergy has produced an updated informational brochure, available in electronic and hardcopy format that explains the details of dry cask storage. Contact Andrea Blizard at 914-271-7081 or by return email at kmcmull@entergy.com for a copy.

Entergy Nuclear Northeast provides customized outreach education programs for schools, youth groups, and civic organizations. The topics we cover include Emergency Planning, Understanding Radiation, Nuclear Fuel and a general overview of the operations of Indian Point Energy Center. If you would like a