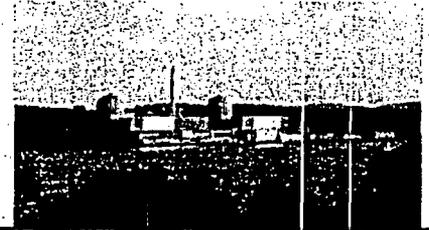




Entergy

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Spent Fuel Pool Bulletin # 3

Entergy Obtains Results from Transformer Yard Monitoring Wells



New monitoring well installed in the IP2 transformer yard.



Drill rig being used to install monitoring well near fuel storage building

Entergy has expanded the ground water sampling program at Indian Point to include news wells and testing of existing storm drain systems. The expanded testing program is in response to the identification of a small hairline crack on the outside wall of the IP2 spent fuel pool found during excavation in the fuel storage building loading bay.

Over the past several weeks three new wells have been drilled in the IP2 transformer yard near an existing well (MW-111) which showed tritium concentrations (250,000 pCi/L) about an order of magnitude above EPA drinking water standards (20,000 pCi/L). Tests results from these wells are shown in the table below:

Well	Sample Date	Location	Tritium
MW-34	12/13/2005	Transformer Yard	63,900 pCi/l
MW-35	12/13/2005	Transformer Yard	42,300 pCi/l
MW-33	12/15/2005	Transformer Yard	142,000 pCi/l

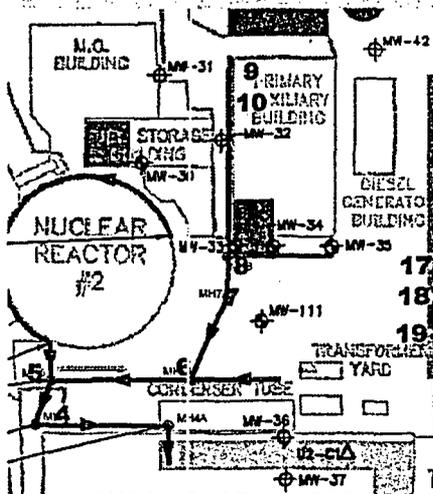
See attached map for locations

These results are above drinking water standards but below the levels found in MW-111. No other isotopes characteristic of spent fuel pool water was found in any of these sample results. These wells are test wells and are not part of any drinking water system and do not pose a threat to workers or the general public. These wells will continue to be sampled as results can vary due to environmental conditions especially rainfall, at the time the sample is drawn.

Storm Water Drains Now Included in Test Program

In order to develop a comprehensive data set that will lead to a conceptual model of ground water movement on site, samples for tritium were taken from the storm drains in and adjacent to the transformer yard.

Test results showed detectable levels for tritium in the storm drains ranging from less than 2000 pCi/L in sample locations 17, 18 and 19 to a high of between 12,000 and 51,000 pCi/L at sample location MH-6 near monitoring well MW-111. The remaining wells tested between 2000 and 5300 pCi/L. Storm drains at Indian Point flow into the discharge canal. Discharges from the canal are monitored as part of the Radiological Environmental Monitoring Program, which is reported to the Nuclear Regulatory Commission. Sample results from these storm drain systems will be incorporated into the broader monitoring program.



Closeup of area map showing transformer yard wells and storm drains. Green lines are storm drains.

BLIS

Liner Inspection

The video inspection of Unit 2's spent fuel pool stainless steel liner has revealed three additional areas where potential defects will be examined. The potential defects are located on the north and west wall of the spent fuel pool. Two of the areas appear to be pinholes and the third appears to be a small gash in the liner.

These areas have been surveyed for radiation levels and will be vacuum box tested for through wall leaks similar to three areas in the cask loading area of the pool.

First Test Results from Entergy, NRC, NYS Split Samples

As monitoring wells are being developed, Entergy, New York State and the NRC are taking split samples, which are analyzed for tritium, gamma emitters and Sr-90. Entergy's samples are sent to an EPA qualified lab at FitzPatrick for analysis where highly sensitive analyses can be performed at lower limits of detection. A split sample taken from MW-38, a new well installed near the IP3 turbine building at the south end of the site, has shown trace amounts of tritium (980 pCi/L). Two previous samples analyzed at Indian Point showed no detectable activity. Fitzpatrick's more sensitive equipment has a Lower Limit of Detection at 500 pCi/L versus the LLD for IPEC of 1000 pCi/L. The New York State sample was tested at the Department of Health's Wadsworth Lab in Albany. Their sample was generally consistent with Entergy's showing about 700 pCi/L. The NRC is using the national lab at Oak Ridge. Samples results from the NRC should be available in a couple of weeks. No isotopes other than tritium were found in the samples.

Off-Site Samples Show No Tritium

Entergy has sampled nearby wells, drinking water supplies and outfalls. No tritium or other radionuclides have been found in any off-site location. Split samples among Entergy, NYS and NRC were taken at many of these locations.

Exempt
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Date	Location	Tritium Results
10/18/05	Croton Reservoir Camp Field Reservoir	None Detectable
10/20/05	Gypsum Algonquin 5 th Street Well	None Detectable
10/25/05	Rock Quarry	None Detectable
11/8/05	5 th Street Well	None Detectable
11/30/05	Gypsum Algonquin 5 th Street Well Rock Quarry Croton Reservoir Camp Field Reservoir	None Detectable