

**From:** John White  
**To:** Belkys Sosa  
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**Subject:** Fish samples in Hudson River.

On 1/11, IPEC reported that its contractor laboratory, Teledyne, detected strontium-90 activity in some fish samples collected from the Hudson River in early September 2006. 12 samples were collected: six in the vicinity of IPEC, and six samples at a Control Location in the vicinity of the Newburgh-Beacon Bridge, about 30 miles north of the plant, an area that the licensee expects to be unaffected by any effluent discharges from the plant.

Only the edible portions of the fish were analyzed. The only radionuclide identified was strontium-90. Three of the six samples collected at the Control Location ranged from 13.6 to 24.5 pCi/kg; and one of the six collected at IPEC indicated 18.8 pCi/l. All other samples were reported as non-detectable.

Additional fish samples were collected about 6 week later, and split with NRC and State of New York/DEC. NRC results indicated non-detectable. The State of New York's results have not yet been reported to the NRC.

The licensee informed the NRC that the strontium-90 results may not be valid considering that the Control samples ranged higher than the single positive sample taken in the plant vicinity; the split sample analyzed by the NRC 6 weeks later indicated non-detectable; and the contractor laboratory's analytical capability was questionable given other sample analysis that were previously determined to be in error (and resulted in Teledyne being dropped as the contracted analytical laboratory for IPEC in November 2006).

Entergy indicated that they intend to initiate immediate resampling of fish in the plant vicinity and a control location. NRC and the State of New York intend to split samples. Entergy also indicated that it intended to inform interested stakeholders (local, state, and federal) of these most recent sample results, its assessment of those results, and its plans to resample. The communication outreach is expected to occur today by email and telephone contact. A normally planned NRC/Entergy Stakeholder call is scheduled for 1/18/07, but if circumstances require, the call will be rescheduled earlier.

The State of New York is researching its sampling data to determine if results of the split samples of fish, that were previously conducted with NRC and Entergy, are available.

**CC:** A Randolph Blough; David Lew; Diane Screnci; Donald Jackson; Eugene Cobey; James Clifford; James Noggle; Lance Rakovan; Marc Dapas; Marsha Gamberoni; Michael Cheok; Neil Sheehan; Raeann Shane; Robert Taylor; Samuel Collins; Stephen Klementowicz; Steven Garry; Timothy Frye; Undine Shoop