

# Spent Fuel Pool Leaks and Groundwater Contamination at Indian Point

Riverkeeper, Inc.

Nuclear Regulatory Commission Public Meeting

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# Riverkeeper and Indian Point

- Riverkeeper is a nonprofit organization with over 5,000 members – since 1966, we have used litigation, policy and grassroots outreach to achieve our goal of a “fishable, swimmable,” Hudson River.
- Opposed original licensing of Indian Point (IP) 2 and 3 due to impacts on Hudson River fish populations
- Currently intervening in opposition to IP license renewal
- Actively involved in IP leak issues since August 2005

# Indian Point 1 and 2 Spent Fuel Pool Leaks

- 2 distinct plumes of contaminated water underlie IP and are leaching into Hudson River
- Timeframe of Leaks?
  - IP1 – 1990 – 2008
  - IP2 – 1992 - ?
- Radionuclides present in groundwater onsite
  - Tritium
  - Strontium-90
  - Cesium-137
  - Nickel -63
- Likelihood of additional leaks during extended operation?

# Initial Recommendations

- Require onsite groundwater monitoring and reporting at all currently operating reactors
- Require licensees with documented leakage incidents to affirmatively prove cessation of leaks and evaluate status/condition of all systems, structures and components that carry radioactive fluids
- Require licensees to submit all records pursuant to 10 CFR 50.75(g) (specifically (g)(1), (2)(3)) to the NRC for public disclosure