



RIC 2011 Benefits of Third Party Cancer Risk Assessments

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Situation in CT

Actions Taken to Address Concerns

Outcome

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Situation in CT

- Power plants in CT had been shut down by NRC.
- Public lost confidence in:
 - Plant Operators.
 - US Nuclear Regulatory Commission.
- Allegations regarding plant operations made national press. Including cover of Time Magazine.

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Situation in CT

- **Decision was made in 1996 by owner to decommission Connecticut Yankee Atomic Power Plant.**
- **CY discover that concrete blocks had been removed from the plant in 1997 increased public concern.**



Situation in CT

- **Citizens living in the vicinity of the Connecticut Yankee Atomic Power Plant increasingly expressed concerns related to the reported and possible other emissions of radioactive material into the atmosphere, the Connecticut River and Long Island Sound.**



Actions Taken to Address Concerns

- **Political response was for CT Legislature to form the Nuclear Energy Advisory Council.**
 - Established by CT PA 96-245
 - Passed on June 6, 1996
 - First meeting August 1, 1996



Actions Taken to Address Concerns

- **3 of NEAC Charges by CT Legislature:**
 - Hold regular public meetings to discuss issues relating to the safety and operations of nuclear power plants, and to advise the governor, legislature, and municipalities within a five-mile radius of the plants on these issues;



Actions Taken to Address Concerns

- **3 of NEAC Charges by CT Legislature (cont.):**
 - Work with federal, state, and local agencies and the companies operating such plants to ensure public health and safety;
 - Discuss proposed changes in or problems arising from the operation of the plant.



Actions Taken to Address Concerns

- **NEAC contracted with the Connecticut Academy of Science and Engineering (CASE) to study and make an initial report on cancer incidences in regions with relatively high exposure from the Connecticut Yankee plant in Haddam, using data from the Connecticut Tumor Registry.**
 - Date Inquiry Established: July 9, 1997
 - Date Report Released: December 6, 2000



What is CASE?

- The Connecticut Academy of Science and Engineering is a non-profit institution patterned after the National Academy of Sciences to identify and study issues and technological advancements that are or should be of concern to the state of Connecticut.
- It was founded in 1976 by a Special Act of the Connecticut General Assembly.



Outcome

- During the period of the report study citizens continued to express concerns regarding cancer risks.
- January 25, 2001: The NEAC held a special meeting at the Haddam-Killingworth High School for the purpose of receiving a CY radiation study report completed by the Connecticut Academy of Science and Engineering (CASE).



Outcome

- CASE presented its finding that analysis comparing disease incidence, population counts and estimated exposure levels did not identify meaningful associations among the cancers and radiation exposures.
- Public allowed to ask questions on the report findings at the special meeting.
- Public accepted findings of report.



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Outcome

- **Citizens living in the vicinity of the Connecticut Yankee Atomic Power Plant have not demand a another study.**
- **Continue to refer public to the CASE report anytime issue is brought up by concerned members of public:**
 - Living near former CY facility; and
 - Living near Millstone Power Station.
