Nuclear Liability Insurance Perspective - ANI

Abstract

American Nuclear Insurers provides liability insurance to the U.S. commercial nuclear power industry for the nuclear energy hazard. As the eyes and ears of ANI's underwriters, ANI's engineers inspect the insured nuclear facilities and perform an annual comparative analysis of the effluents from the operating U.S. power reactors. This presentation will provide some of the observations from the most recent analysis.

ANI provides policyholders coverage for nuclear liability claims from people who live and work and own homes and businesses near insured nuclear facilities.

American Nuclear Insurers

- ANI is a voluntary, joint underwriting association
- Located in Glastonbury, Connecticut
- We are commonly referred to as an “insurance pool”
- Founded in 1956

Risk

- Risk: Consequences * Likelihood * 1/control

- Nuclear Liability Insurance Risk: Claims and Claims Defense

- Nuclear Liability Insurance Risk ≠

  Technical Risk or

  Quality of Regulatory Compliance

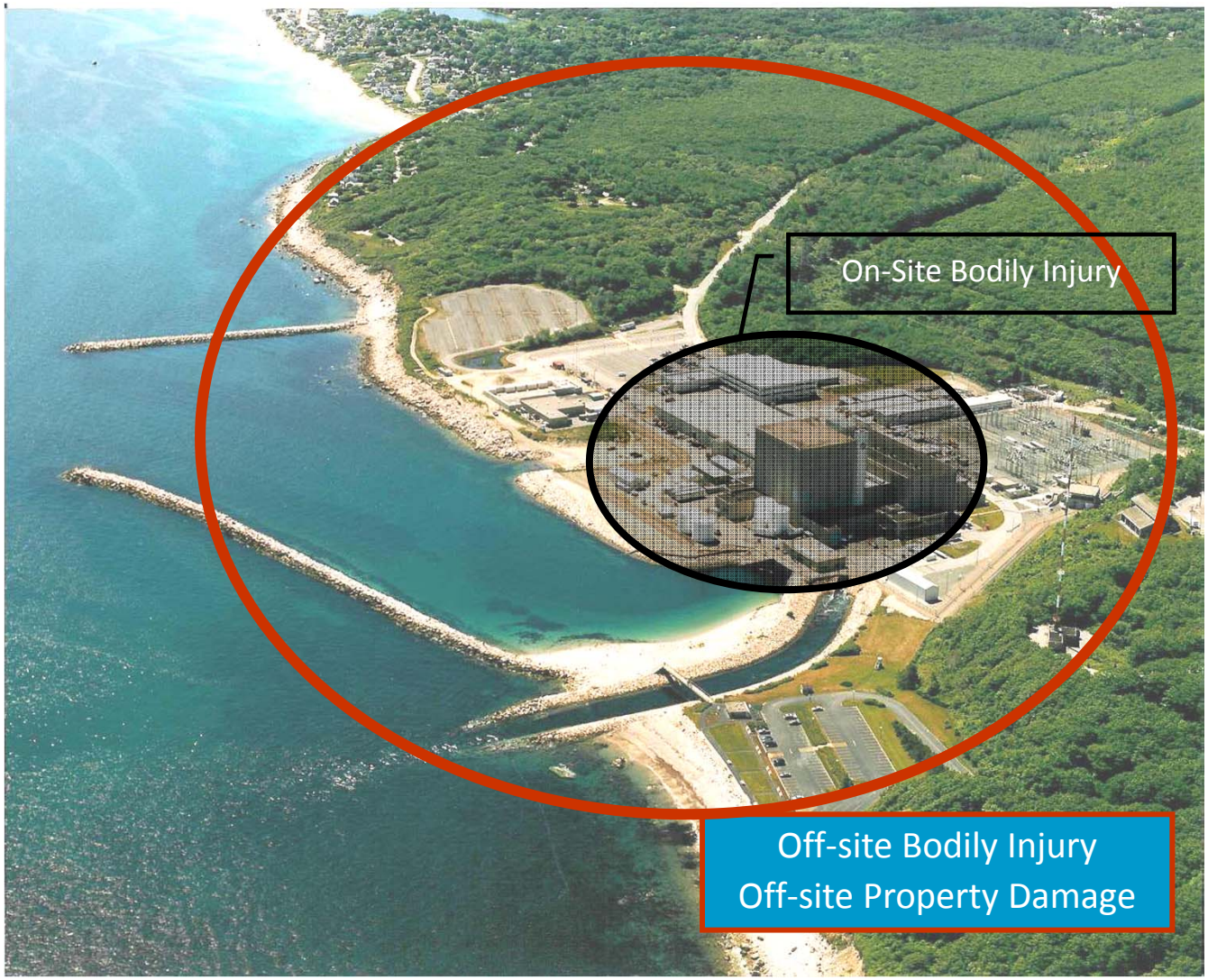
Price-Anderson Act

The Price-Anderson Act provides a legal framework for potential nuclear liability claims.

Nuclear Liability Insurance

- **$375 Million US Provided to Each US NPP Site**
- **Coverage insuring against Claims of Bodily Injury or Property Damage Caused by Nuclear Energy Hazard**
- **Losses Can Be <u>Catastrophic</u> or <u>Non-Catastrophic</u>**
- **Defense Costs Can Be Significant**

Third Party Liability



Risk and Effluents

- **Increased Public Awareness of NPP Effluent Releases & Perception of Personal Risk**

- **Public does not differentiate between Isotope of Cobalt and Tritium → 1 atom Co-60 ~ 1 atom of Tritium (perception)**

Direct and Indirect Effects

- Engineering Rating Factor

- Industry Wide Refunding

Engineering Rating Factor

- Subfactors:
  - Selected Airborne and Waterborne Effluents
  - Low-Level Waste shipped to disposal
  - Paid NRC Fines
  - Reactor Oversight Process (ROP)
  - Rated ANI Recommendations

RG 1.21 Reports

- What is your data telling you?
- Procedure and Process adequacy
- Knowledge Management/Business Continuity
- Errata
- Requesting electronic distribution and errata copies

Summary

- Purpose of American Nuclear Insurers
- Nuclear Liability Insurance Risk
- Engineering Rating Factor
- Discussion of reported data