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U.S. Nuclear Regulatory Commission
 THE 20TH ANNUAL REGULATORY INFORMATION CONFERENCE
RIC 2011
 March 8-10

Experiences in the Inspection Process

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1

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Inspection Process

Baseline Effluent and Environment Inspection

Abnormal release to ground water is dose-based :

1. Initial actions
 - characterize radiological condition
 - initial bounding dose calculation
2. Final evaluation
 - determine ground water flux
 - detailed dose calculation

2

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Factors Affecting Ground Water Investigations:

- Risk of drinking water pathway
- Difficulty in identifying the leak source
- Complexity of site hydrogeology
- Public response

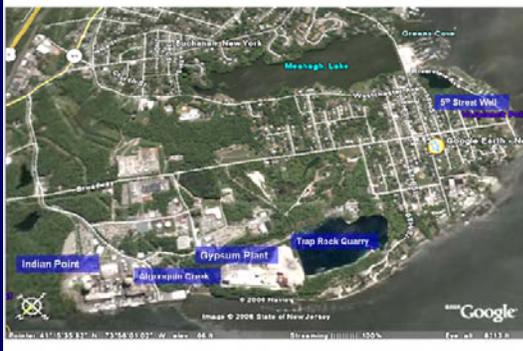
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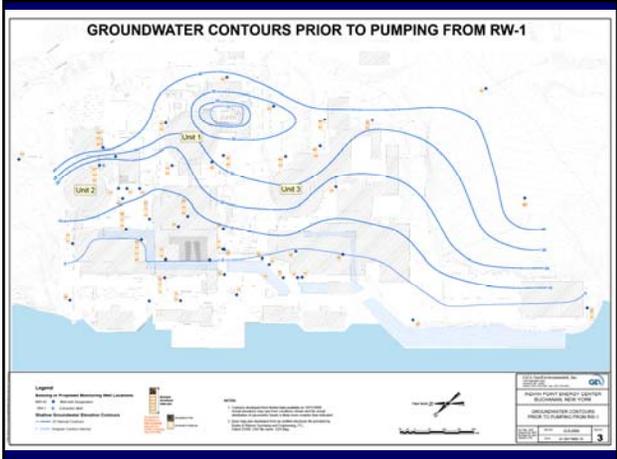
Indian Point Energy Center

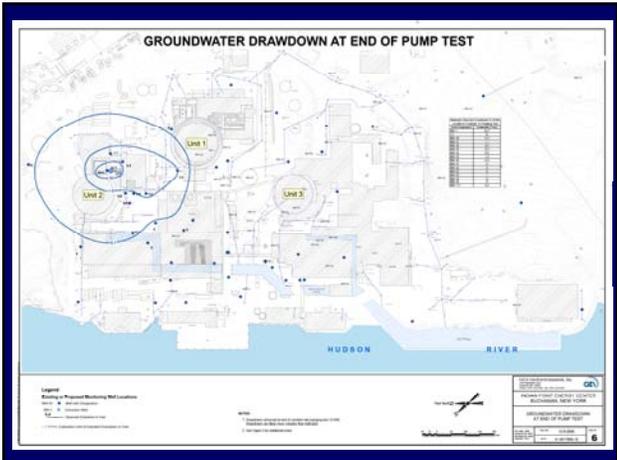


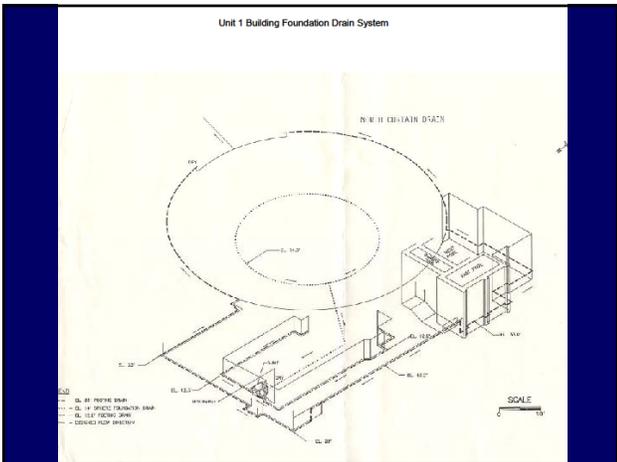


INDIAN POINT ENERGY CENTER TRITIUM SAMPLE KEY LOCATIONS









Vermont Yankee



Figure 1
Vermont Yankee Tritium Ground Water Plane





