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# **NRC PUBLIC MEETING**

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**DISCUSSION ON INDIAN POINT 2  
MARCH 14, 2000, 7:00 PM  
THE NEW YORK STATE ARMORY  
PEEKSKILL, NY**

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# MEETING PURPOSE

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- PROVIDE INFORMATION ON FEB. 15 INDIAN POINT 2 STEAM GENERATOR TUBE FAILURE
- DISCUSS STATUS OF NRC REVIEWS
- ANSWER QUESTIONS AND HEAR PUBLIC COMMENTS

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# INDIAN POINT 2 DISCUSSION

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## MEETING AGENDA - H. MILLER

- **NRC OVERVIEW** (H. MILLER)
- **PLANT DESCRIPTION** (P. ESELGROTH)
- **EVENT OVERVIEW** (P. ESELGROTH)
- **NRC RESPONSE** (R. BLOUGH, J. WHITE, B. Sheron)
- **NEXT STEPS** (H. MILLER)

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# OVERVIEW OF THE NRC

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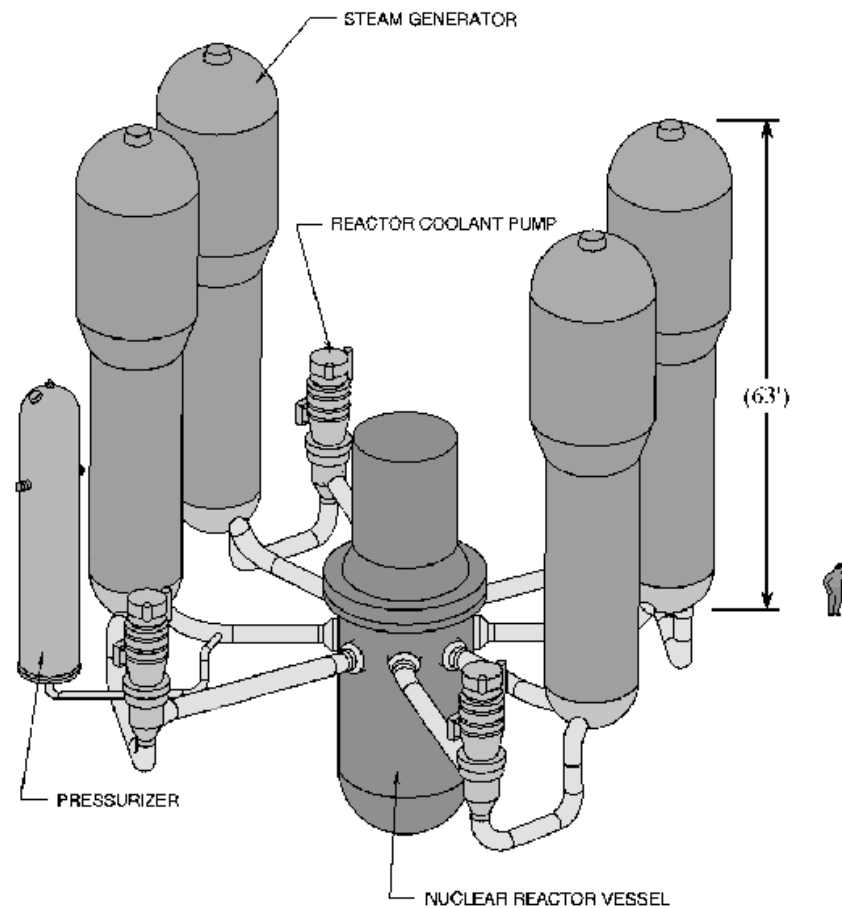
- PURPOSE AND MISSION
- REQUIREMENTS
- INSPECTION AND ASSESSMENT
- OFFSITE RESPONSE COORDINATION WITH STATES, COUNTIES AND FEMA

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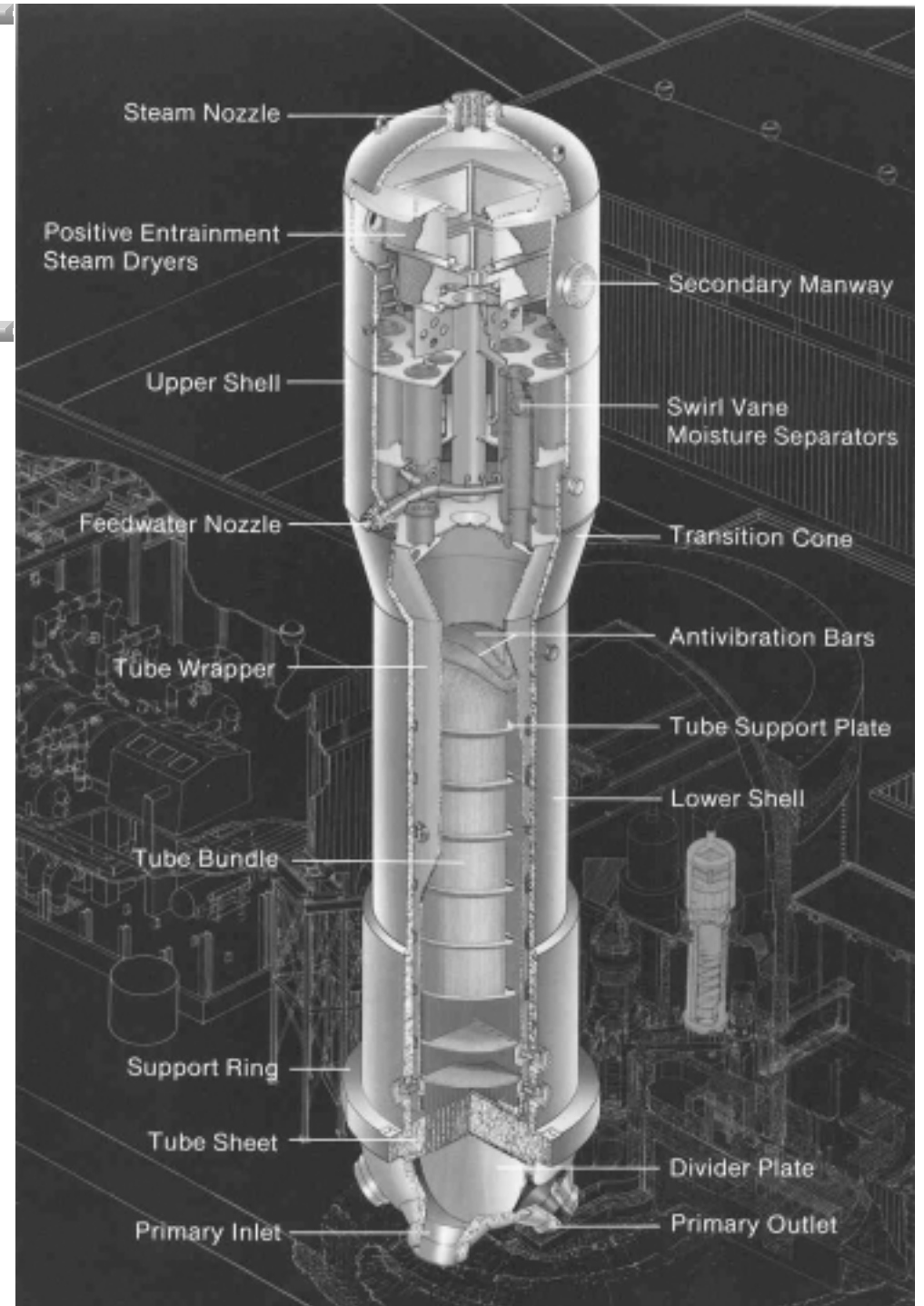
# PLANT DESCRIPTION

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## REACTOR COOLANT SYSTEM

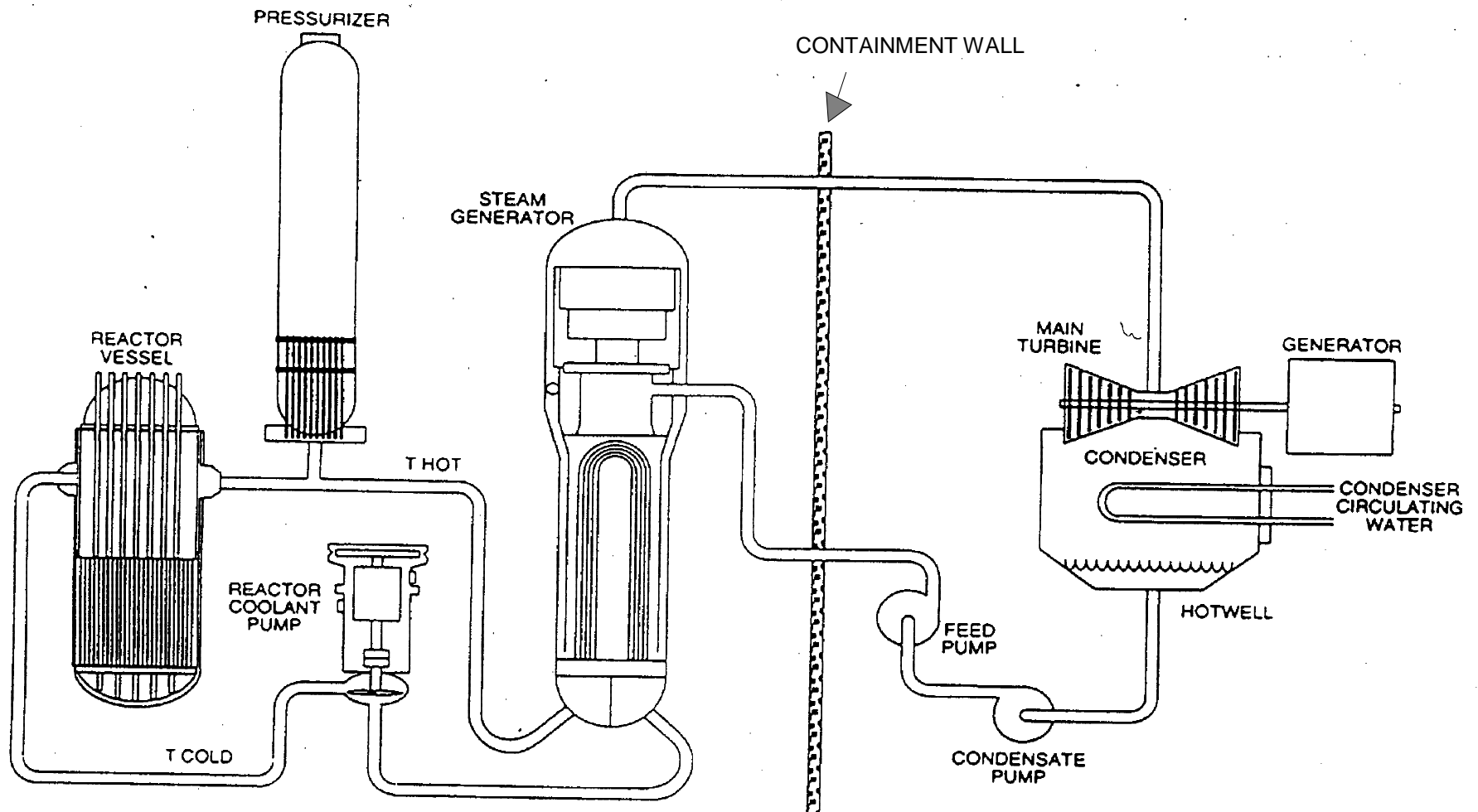


# STEAM GENERATOR

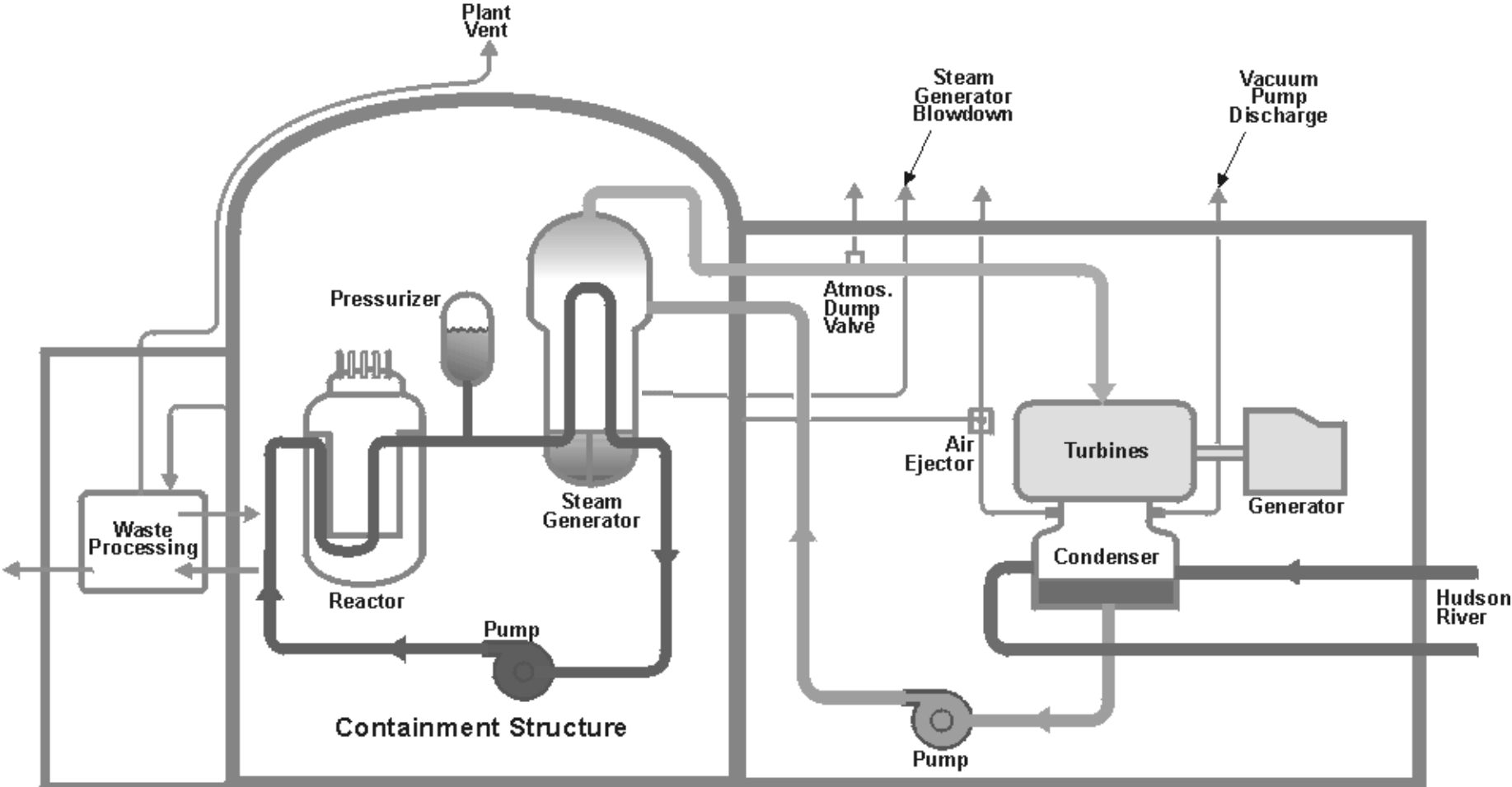


# PLANT DESCRIPTION

## Basic Components



# INDIAN POINT 2





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# INDIAN POINT 2 EVENT

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## PRELIMINARY SEQUENCE OF EVENTS

### FEBRUARY 15, 2000

- 7:17 p.m. Operators Identified Increased Leakage
- 7:29 p.m. Alert Declaration Made
- 7:30 p.m. Reactor Manually Tripped
- 7:41 p.m. Initial Offsite Notification

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# INDIAN POINT 2 EVENT

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## PRELIMINARY SEQUENCE OF EVENTS, CONT.

### FEBRUARY 15, 2000

- 8:07 p.m. NRC Notified
- 8:31 p.m. Isolated No. 24 Steam Generator
- 8:40 p.m. NRC Decision to Staff NRC Response Center
- 11:35 p.m. Plant Cooldown Initiated

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# INDIAN POINT 2 EVENT

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## PRELIMINARY SEQUENCE OF EVENTS, CONT.

### FEBRUARY 16, 2000

- 4:57 p.m. Achieved Cold Shutdown
- 6:50 p.m. Alert Terminated

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# **NRC RESPONSE**

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- **INITIAL EVENT RESPONSE**
- **EVENT REVIEW TEAM**
- **PUBLIC, GOVERNMENT, AND MEDIA INTEREST**
- **RADIOLOGICAL EVALUATION**
- **STEAM GENERATOR REVIEW**

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# **NRC RESPONSE**

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## **EVENT RESPONSE**

- Monitoring of tube leak prior to event
- NRC staffing of response centers
- Inspector response

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# NRC RESPONSE

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## EVENT REVIEW TEAM

- A Fact-finding Augmented Inspection Team (AIT) began February 18<sup>th</sup>
- On-site data gathering completed
- Currently analyzing information and developing findings

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# **NRC RESPONSE**

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## **AUGMENTED INSPECTION TEAM (AIT)**

- Determine what happened, when, and why
- Assess significance
- Review steam generator tube inspection, maintenance and monitoring
- Review Emergency Plan implementation

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# **NRC RESPONSE**

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## **DETERMINE WHAT HAPPENED, WHEN, AND WHY**

- Equipment, procedures, and people
- Before, during, and after event
- Compare plant performance with design
- Did ConEd meet the requirements?

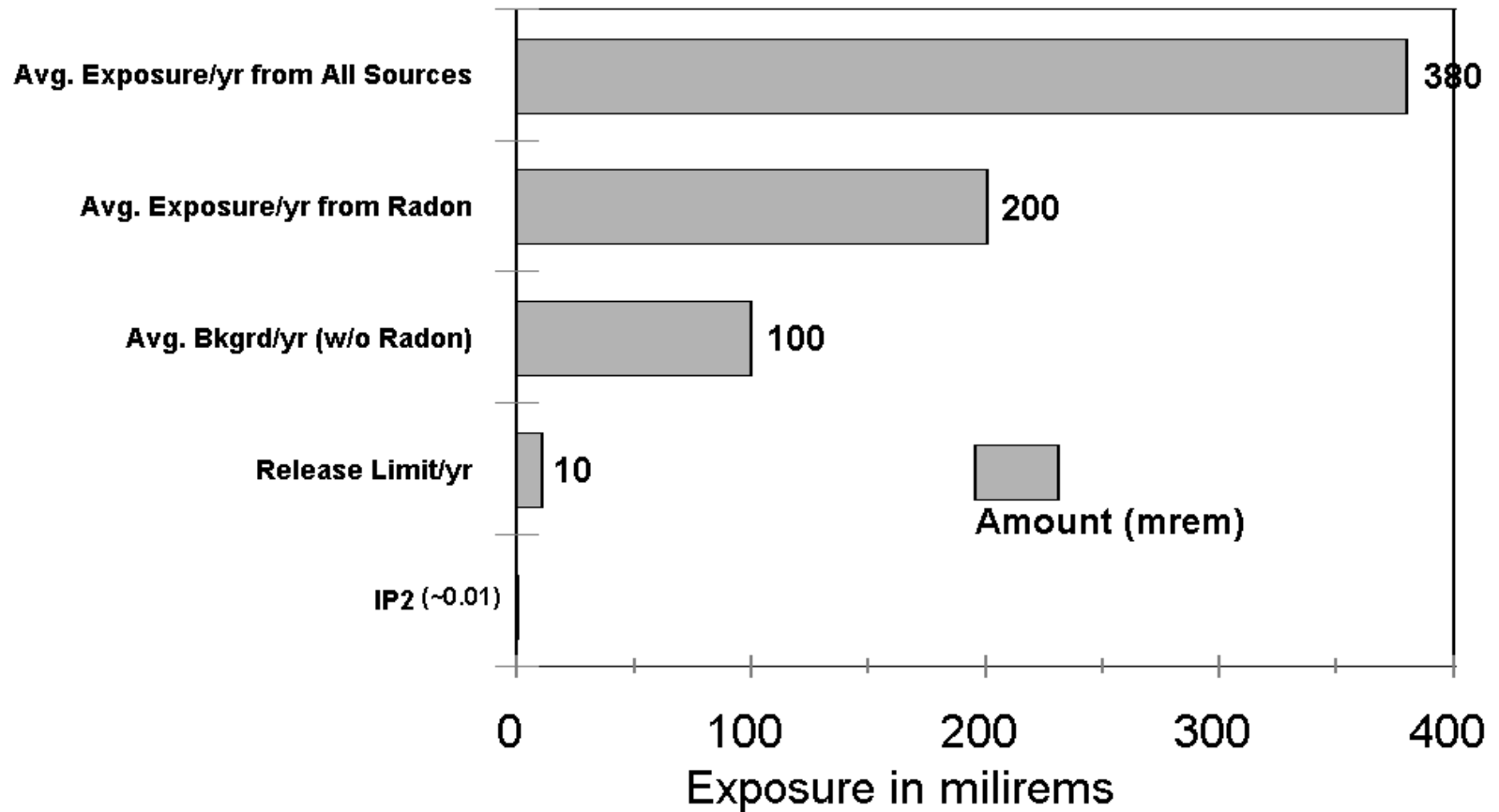


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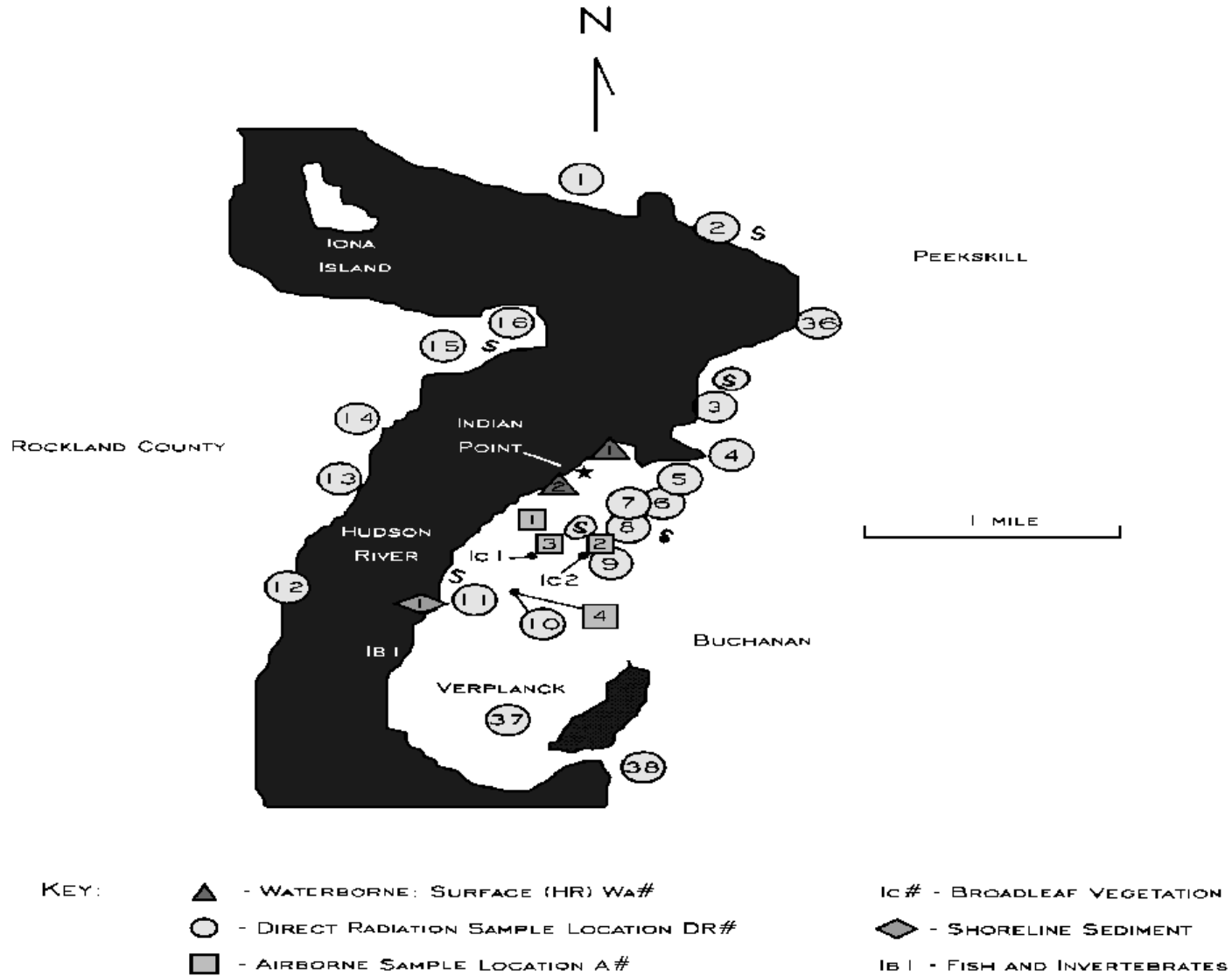
# NRC RESPONSE

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## RADIOLOGICAL EVALUATION



# ENVIRONMENTAL SAMPLING LOCATIONS WITHIN 2 MILES OF INDIAN POINT



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# NRC RESPONSE

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## RADIOLOGICAL EVALUATION

	<u>Event Release</u>	<u>Background</u>	<u>EPA Standard</u>	<u>Licensee Limit</u>	<u>% of Licensee Limit</u>
Gas	~.01 mrem	~400 mrem/year	25 mrem/year	5 mrem/qtr (Total Body Gamma Air Dose)	0.2%
Liquid	~.00008 mrem	~400 mrem/year	25 mrem/year	1.5 mrem/qtr (Total Body)	0.005%

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# NRC RESPONSE

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## STEAM GENERATOR REVIEW

- Headquarters Review (Office of Nuclear Reactor Regulation)
- Specialized technical expertise in steam generators
- Will review:
  - ▶ Cause and nature of the leak
  - ▶ License requirements and basis
  - ▶ Data from steam generator inspections