



NRC PUBLIC MEETING

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

MEETING PURPOSE

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

INDIAN POINT 2 DISCUSSION

MEETING AGENDA - H. MILLER

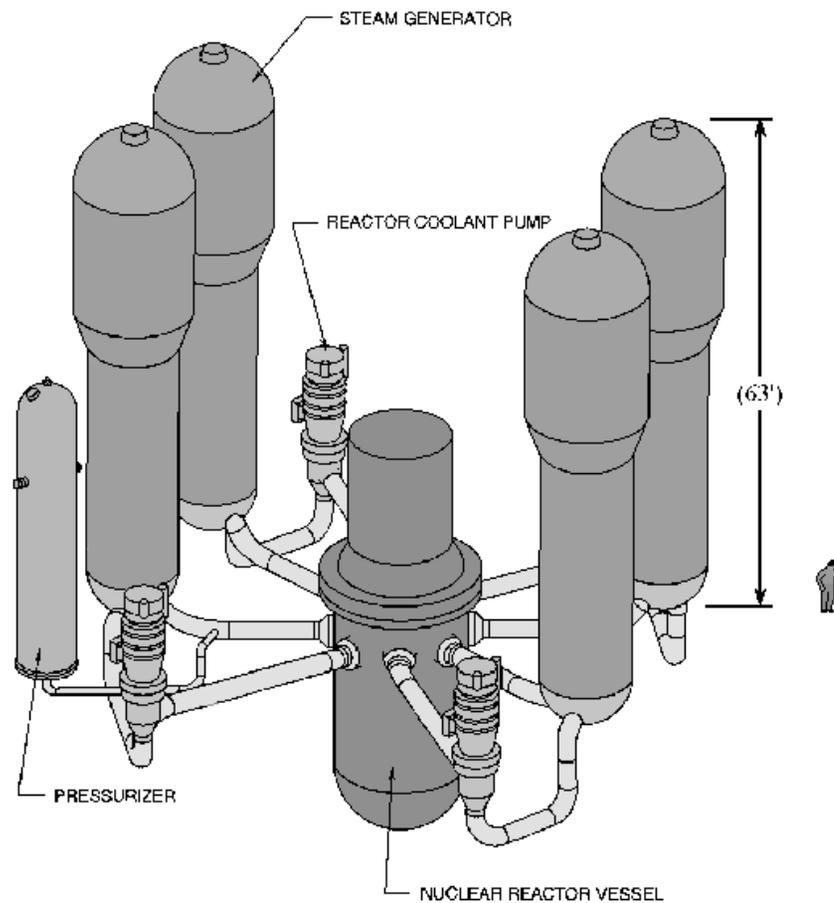
- **NRC OVERVIEW** (H. MILLER)
- **PLANT DESCRIPTION** (P. ESELGROTH)
- **EVENT OVERVIEW** (P. ESELGROTH)
- **NRC RESPONSE** (R. BLOUGH, J. WHITE, B. Sheron)
- **NEXT STEPS** (H. MILLER)

OVERVIEW OF THE NRC

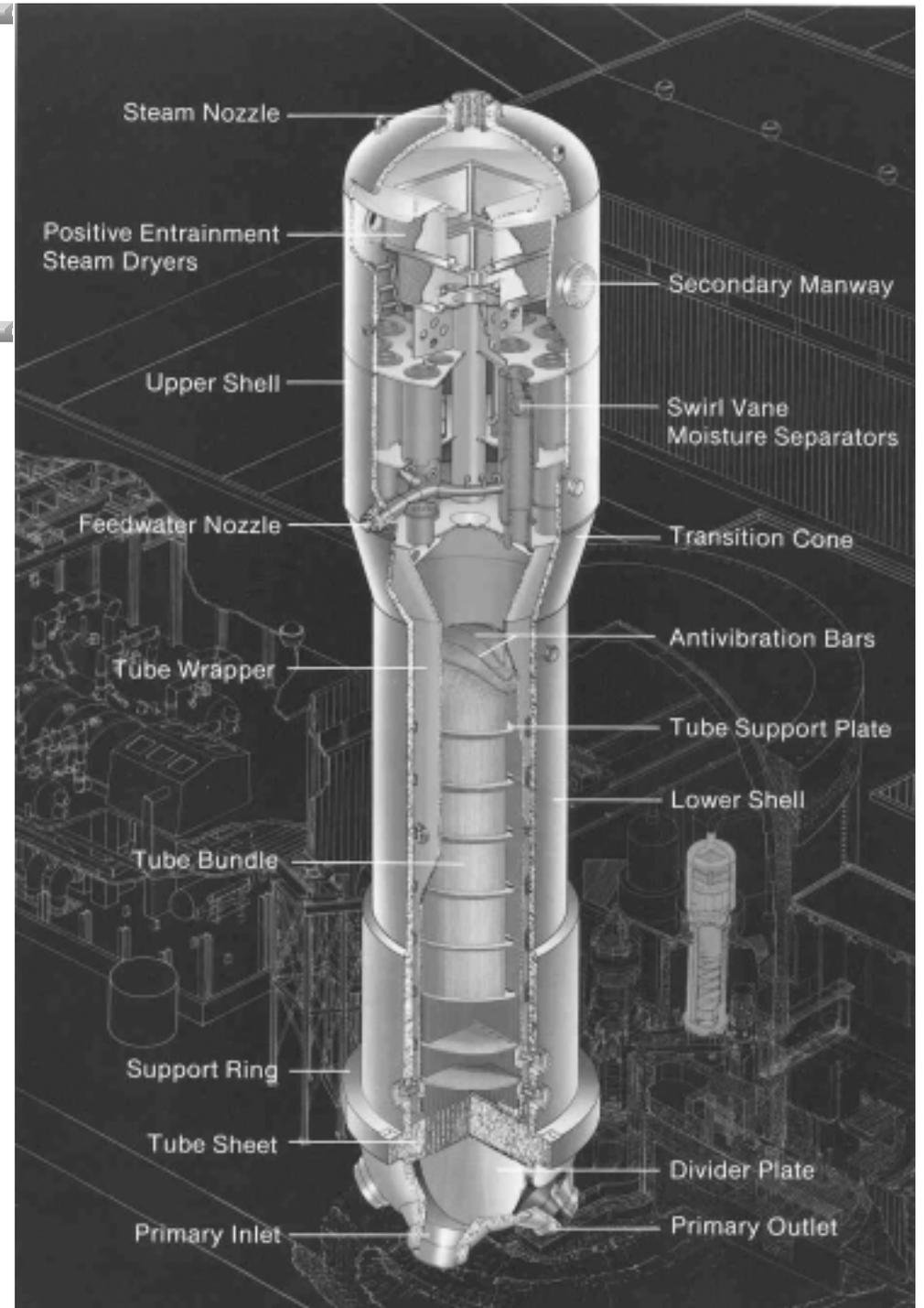
- PURPOSE AND MISSION
- REQUIREMENTS
- INSPECTION AND ASSESSMENT
- OFFSITE RESPONSE COORDINATION WITH STATES, COUNTIES AND FEMA

PLANT DESCRIPTION

REACTOR COOLANT SYSTEM

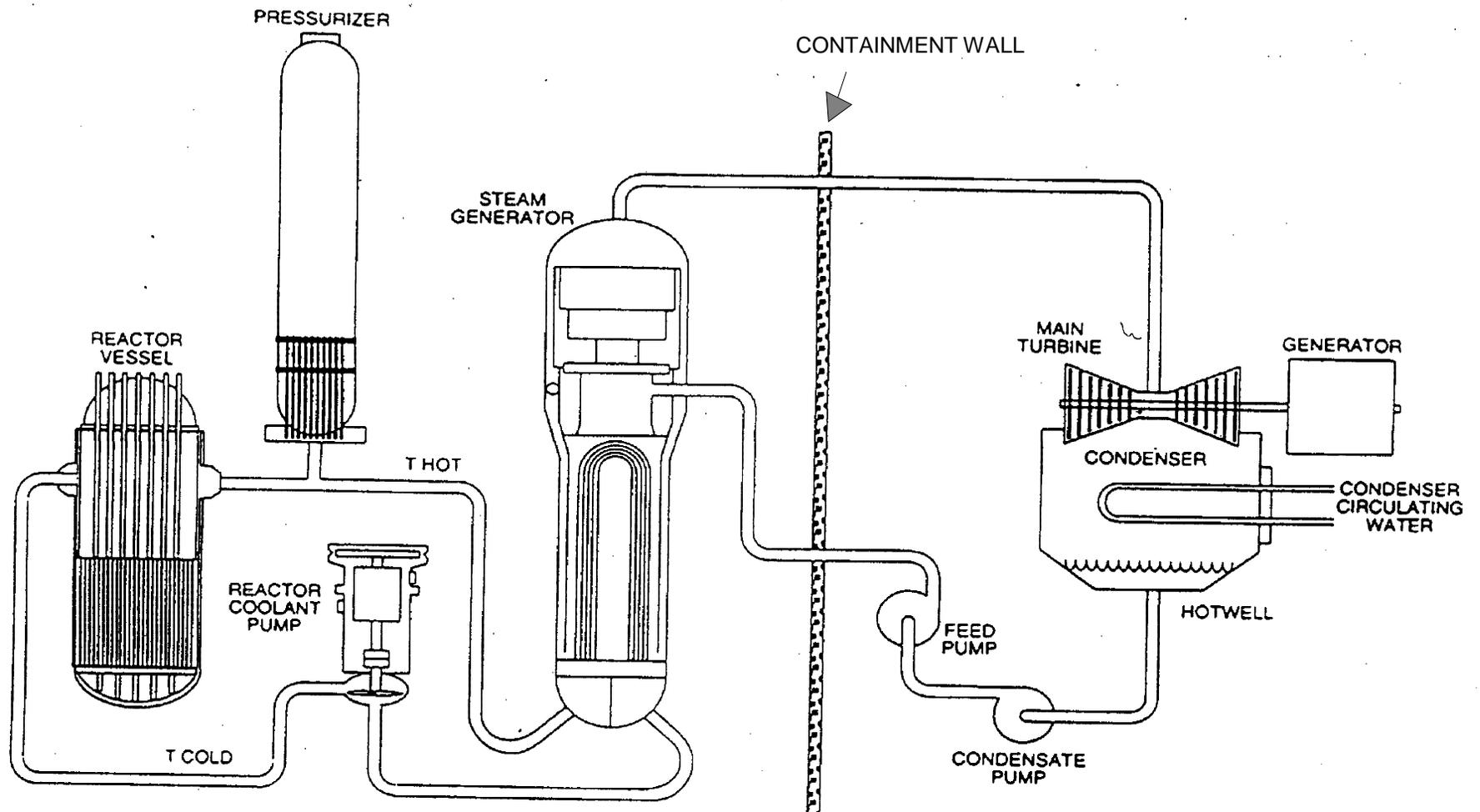


STEAM GENERATOR

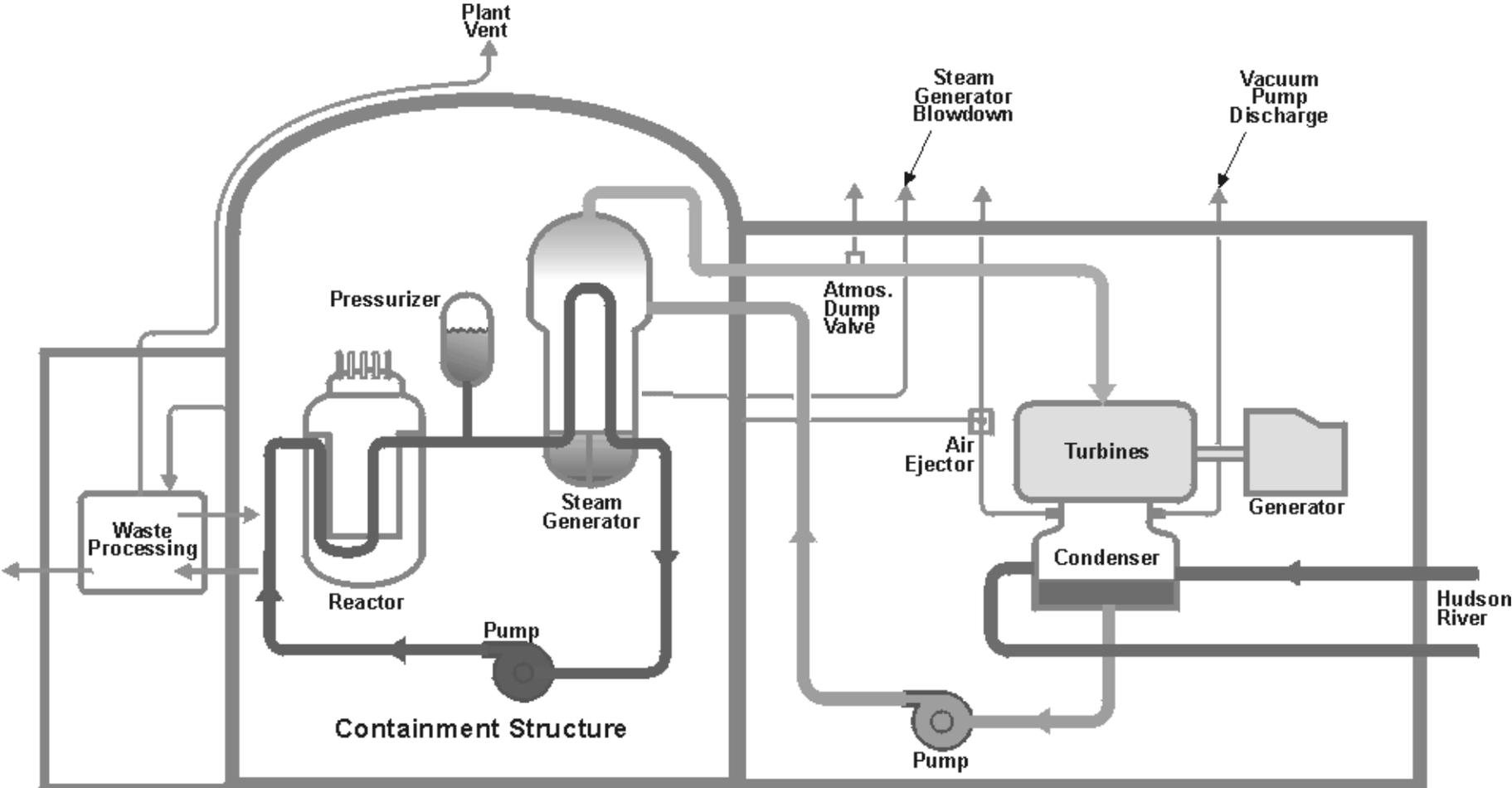


PLANT DESCRIPTION

Basic Components



INDIAN POINT 2



INDIAN POINT 2 EVENT

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

INDIAN POINT 2 EVENT

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

INDIAN POINT 2 EVENT

PRELIMINARY SEQUENCE OF EVENTS, CONT.

FEBRUARY 16, 2000

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

NRC RESPONSE

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

NRC RESPONSE

EVENT RESPONSE

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

NRC RESPONSE

EVENT REVIEW TEAM

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

NRC RESPONSE

AUGMENTED INSPECTION TEAM (AIT)

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

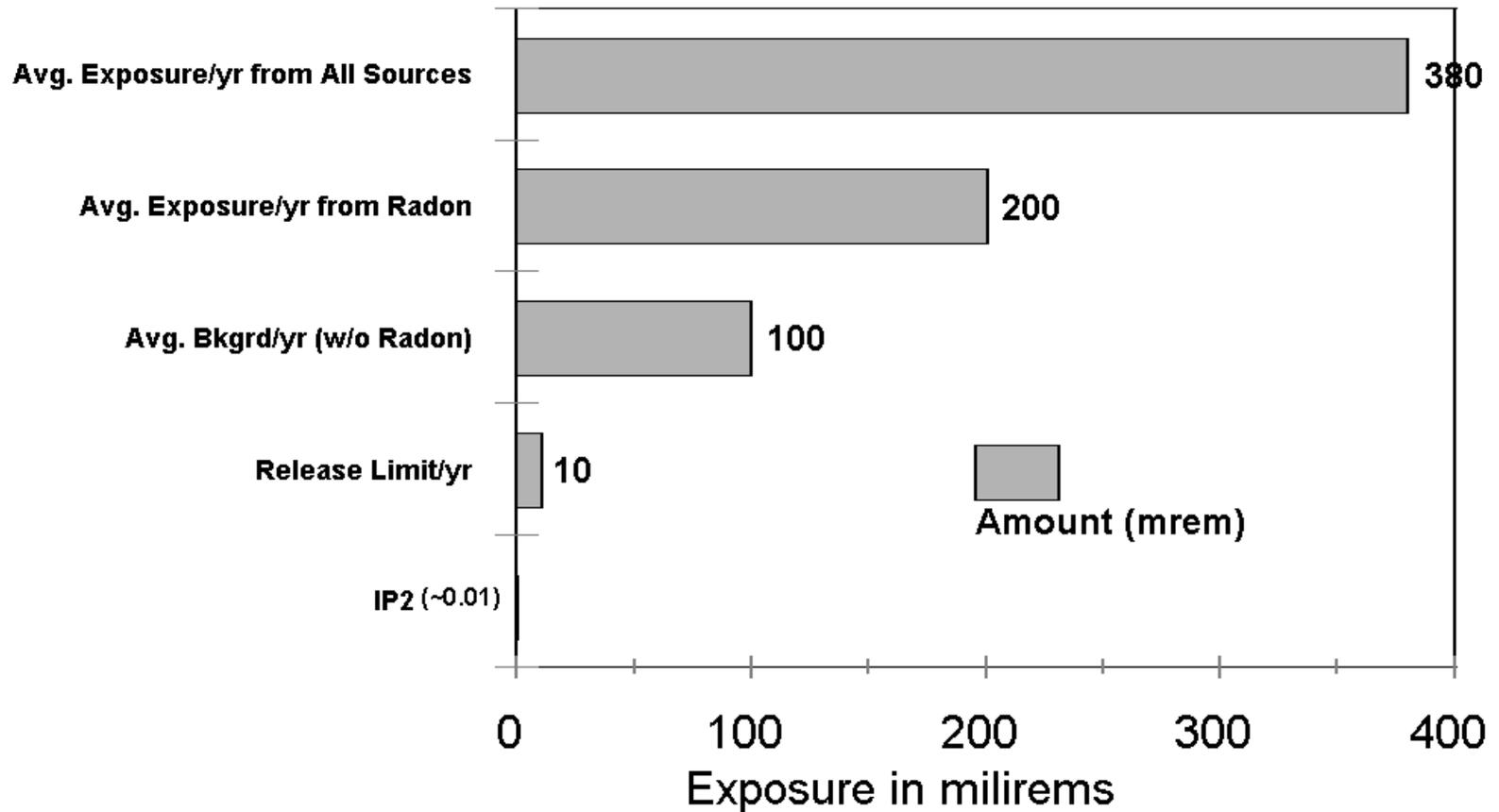
NRC RESPONSE

DETERMINE WHAT HAPPENED, WHEN, AND WHY

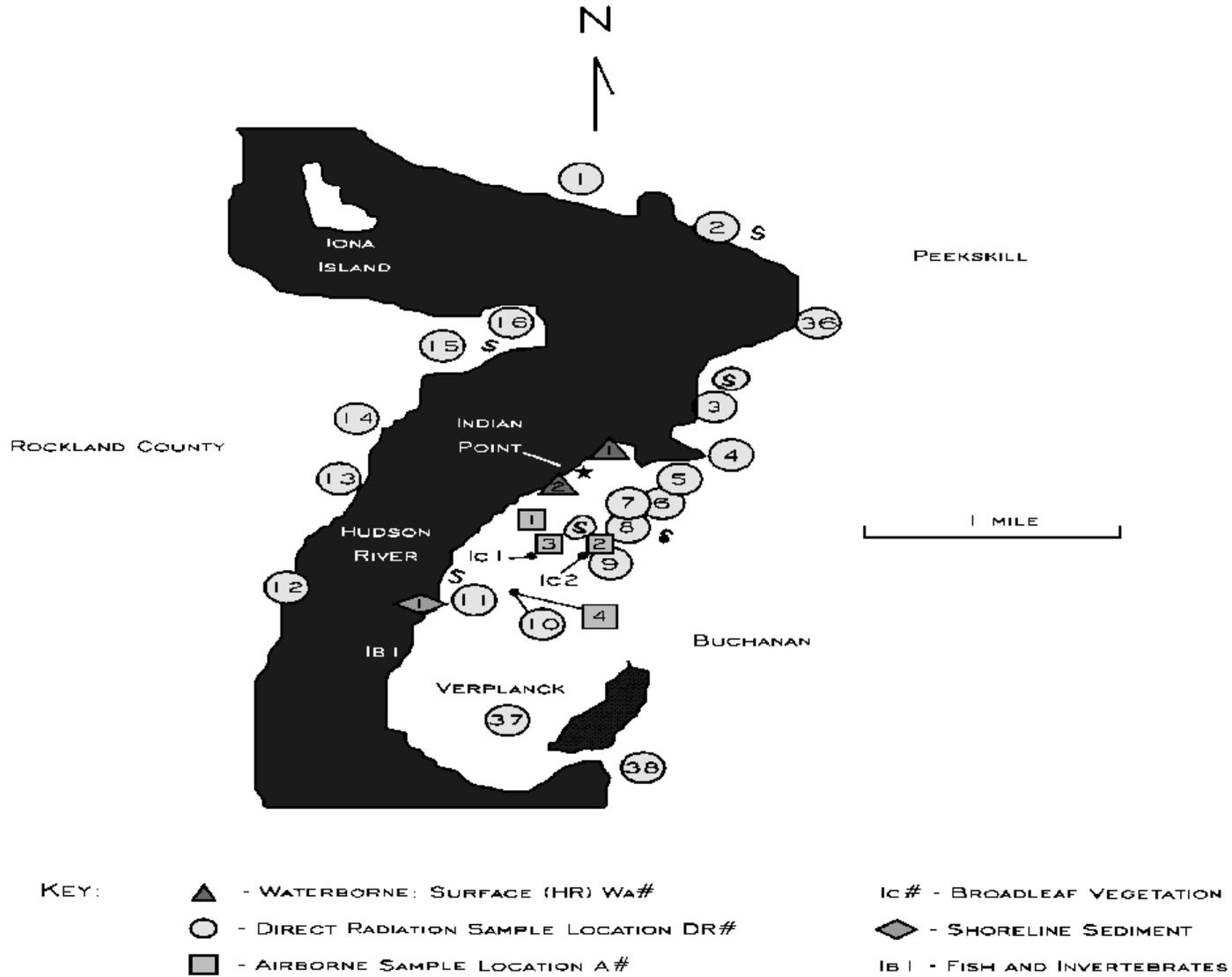
- Equipment, procedures, and people
- Before, during, and after event
- Compare plant performance with design
- Did ConEd meet the requirements?

NRC RESPONSE

RADIOLOGICAL EVALUATION



ENVIRONMENTAL SAMPLING LOCATIONS WITHIN 2 MILES OF INDIAN POINT



NRC RESPONSE

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%

NRC RESPONSE

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