

## **Managing Releases from Containment (PWR)**

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### **ABSTRACT**

This presentation outlines lessons learned from 25 years of managing radioactive effluents from the containment structure at Indian Point's Pressurized Water Reactor plants. Included are:

- 1) Typical releases and quantification methods (VC Pressure Reliefs or "vents");
- 2) VC Purges during shutdown and progression into modes 4, 5, and 6;
- 3) Special cases during these modes when integrity is and is not required, and how to best administer the radiation monitoring requirements; and
- 4) 10-year ISI required integrated leak-rate test (ILRT) and subsequent vent-off.

The discussion includes limitations from Iodine as well as noble gas. Lastly, I have included a brief discussion of the reduced oxygen event from Nitrogen leaks inside containment, and our corrective actions.