

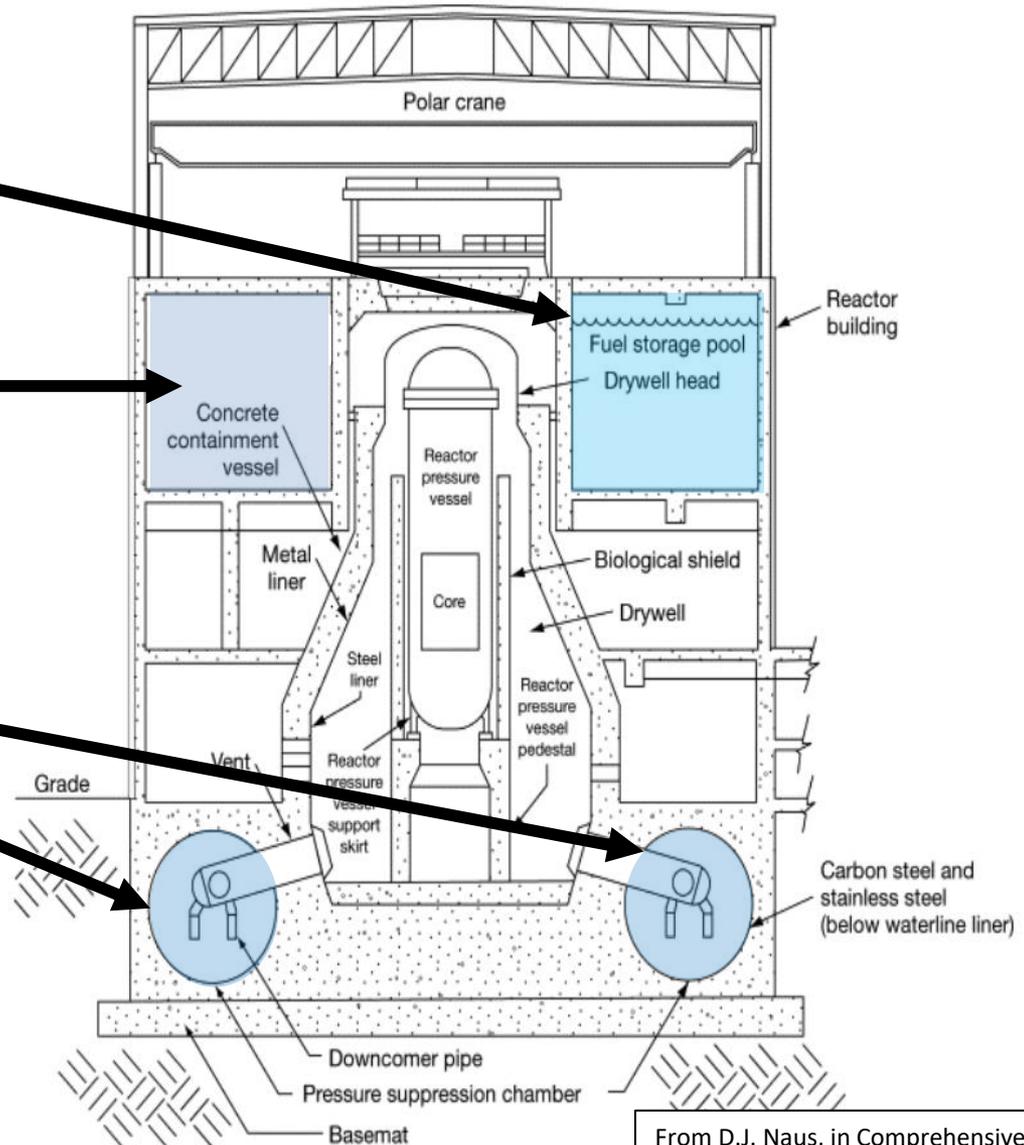
Sampling Locations/Approach

- Sampling will occur at 3 locations:
 - spent fuel pool, separator dryer pit, and torus
- Sampling will be conducted by Holtec personnel and observed by MassDEP/DPH personnel
- Split samples will be provided to the state for analysis at an independent laboratory



Sampling Locations

- Spent Fuel Pool
- Separator Drier Pit
- Torus



From D.J. Naus, in Comprehensive Nuclear Materials, 2012

Analytical Parameters

MassDEP will have the samples analyzed for:

- pH
- temperature
- oil and grease
- total residual oxidants
- tolyltriazole
- total dissolved solids
- whole effluent toxicity
- metals (Al, As, Be, B, Cd, total Cr, Cu, Fe, Pb, Hg, Ni, Se, Ag, Th and Zn
- cyanide
- sodium nitrite
- asbestos
- semi-volatile organic compounds/polycyclic aromatic hydrocarbons
- volatile organic compounds
- PFAS
- PCBs

These parameters reflect EPA priority pollutants, parameters in the NPDES Permit and other parameters identified from a literature review by MassDEP



Analytical Parameters

DPH will analyze the samples for tritium and principle gamma emitters consistent with NRC requirements and current environmental sampling

