

## **Potential Sources of Tritium at IPEC & Inspection method**

### Tanks and Pools

#### Unit 1 Fuel Pool

MW-42, MW-39, Pool level monitoring, HTO mass balance

#### Unit 2 Fuel Pool

Leak collection box, MW-30, Pool level monitoring, Boron Regression Analysis

#### Unit 3 Fuel Pool

Tell tale drain system, Pool level monitoring, MW-44, MW-45

#### Unit 2 RWST

MW-42, physical inspection

#### Unit 3 RWST

MW-39, MW-41, physical inspection

#### Unit 2 CVCS Tanks

MW-42, physical inspection

#### Unit 3 CVCS Tanks

MW-42, MW-43, physical inspection

#### Unit 2 Waste Hold-up Tanks

MW-42, physical inspection

#### Unit 3 Waste Hold-up Tanks

MW-41, MW-43, physical inspection

#### U2 SFP Transfer Canal

MH-5 sample, physical inspection

### Above and below ground Piping

#### Unit 1 Waste Transfer Line

#### Unit 2 and 3 RWST Lines

#### Unit 3 to Unit 2 Blowdown Transfer Line

#### Unit 2 and 3 Vapor Containment (VC) foundation drain

#### Unit 1 foundation drain

#### Unit 1 CSB foundation drain

#### Miscellaneous drains between buildings

### Building Sumps

Unit 2 & 3 PAB Sumps

Unit 2 MOB sump

Unit 3- Room with the rock, had pipe trench from PAB spilling into area below cable tunnel

Unit 2 Transformer Yard - Turbine hall condensate drainage

Other Legacy Releases / Spills 50.75(g) records

Unit 2 Resin Spill in alleyway next to FSB

Unit 2 Blowdown atmospheric release

Unit 2 SG Tube Leak Feb 2000

Unit 3 Area between VC, FSB, PAB, (aka Pigeon Pit)

Unit 3 Sewage septic field

Unit 3 SG Tube Leak Oct 1989

Unit 3 RWST base of hill contaminated water stream