Exelon
Nuclear

Braidwood Generating Station

Groundwater Update Meeting

Thursday, January 26, 2006

E-11

Tonight's Agenda

- The latest information
- What we are doing to prevent future releases
- Plans for remediation
- Health and safety

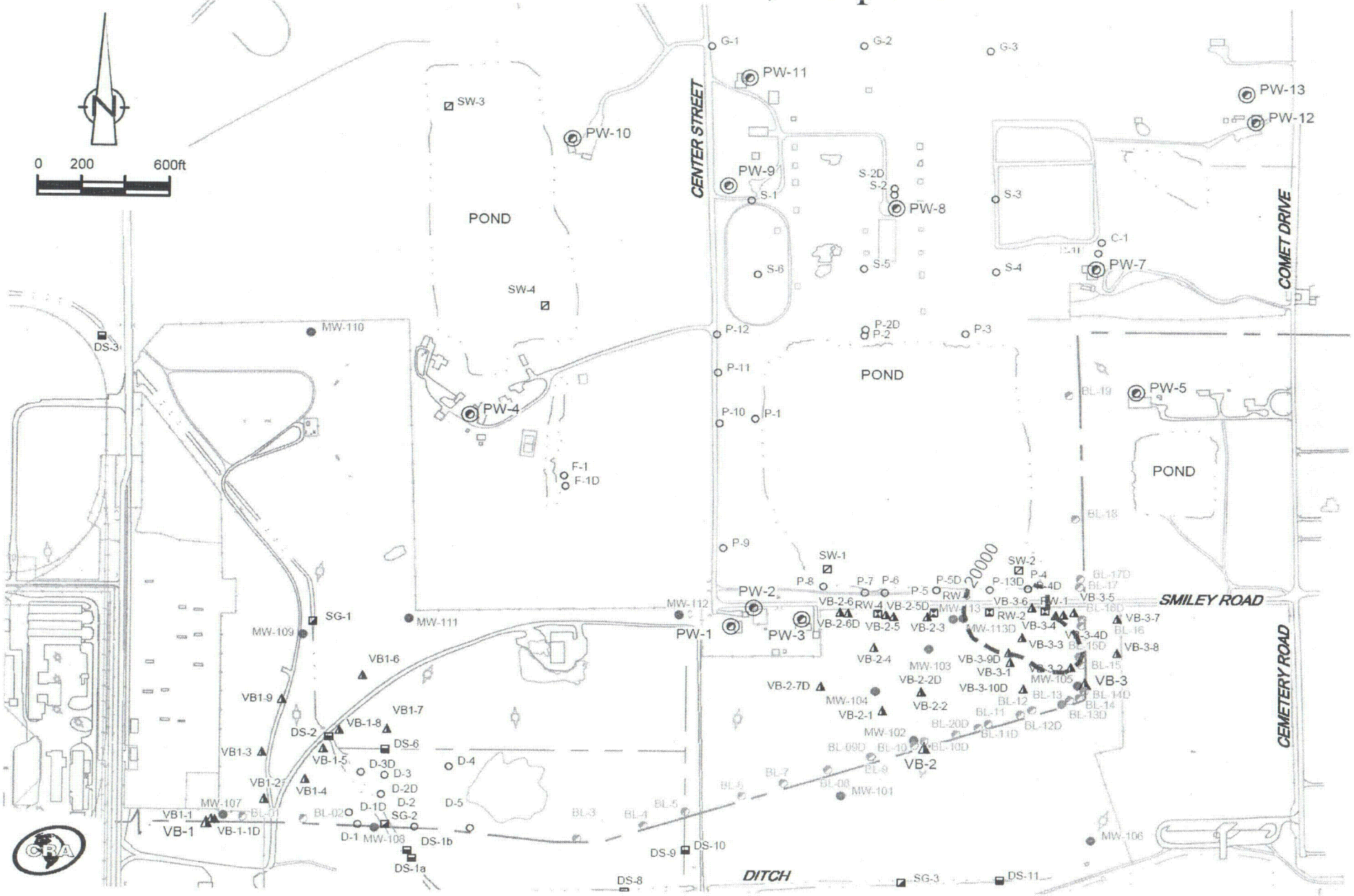
Status

- 13 of 14 private wells next to plant show no sign of tritium beyond background
  - 14th private well shows tritium at fraction of federal drinking water limit (1,524 picocuries per liter)
  - Impact of this elevated level poses no health or safety hazard
- 10 of 10 wells along the blowdown line show no tritium beyond detectable limits
- Groundwater movement is slow
- Monitoring to ensure no additional wells affected

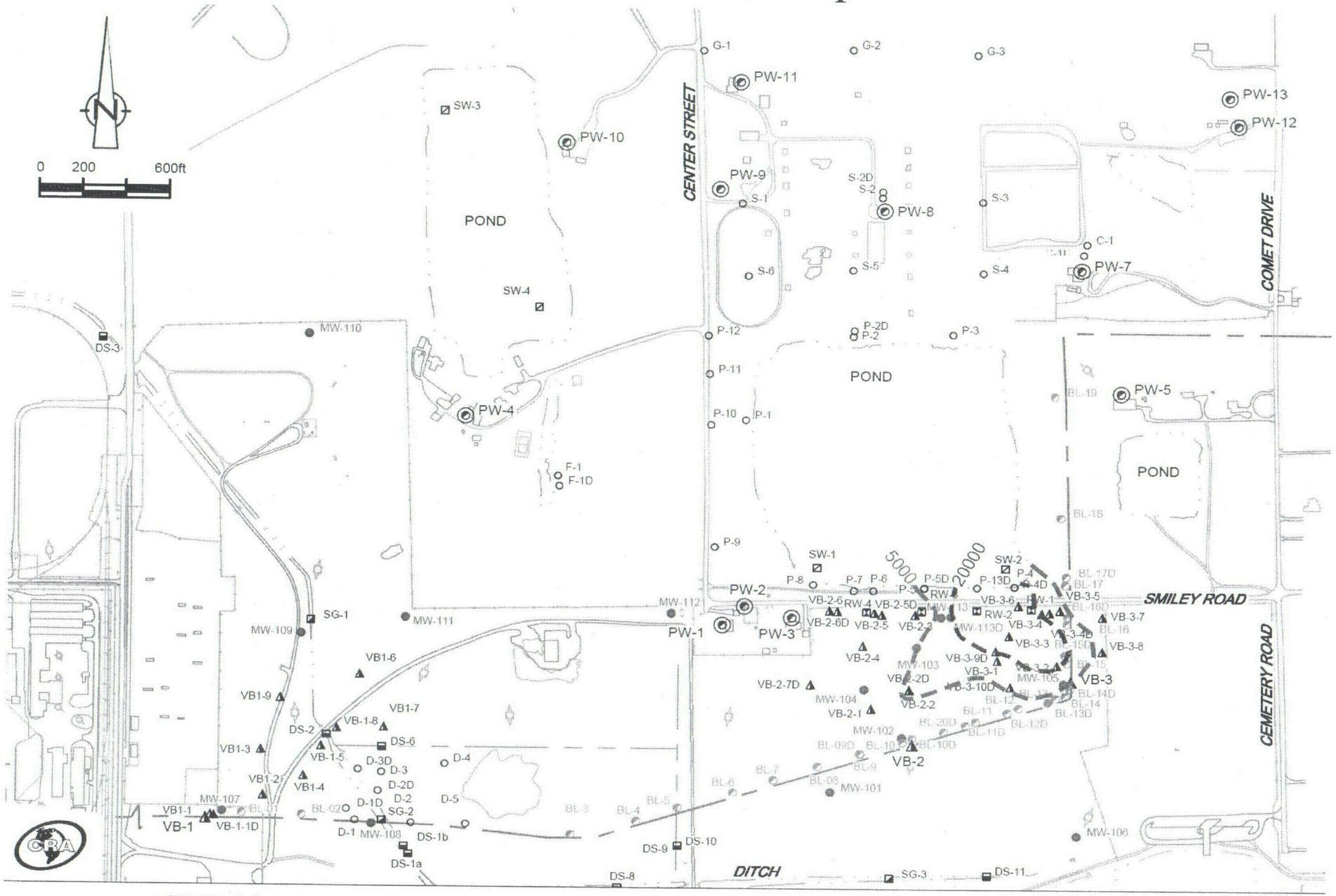
Status

- Sampled 165 test wells
- Analyzed 312 groundwater samples
- 3 off-site sample wells tested above federal drinking limit for tritium (20,000 pCi/L)
- No other radionuclides found in groundwater
- Acoustical pipe integrity testing provided assurance of no significant leak in pipe
- Have not introduced tritium into the pipe since Nov. 23, 2005
- Sunday, Jan. 15, 2006 leak at vacuum breaker 7

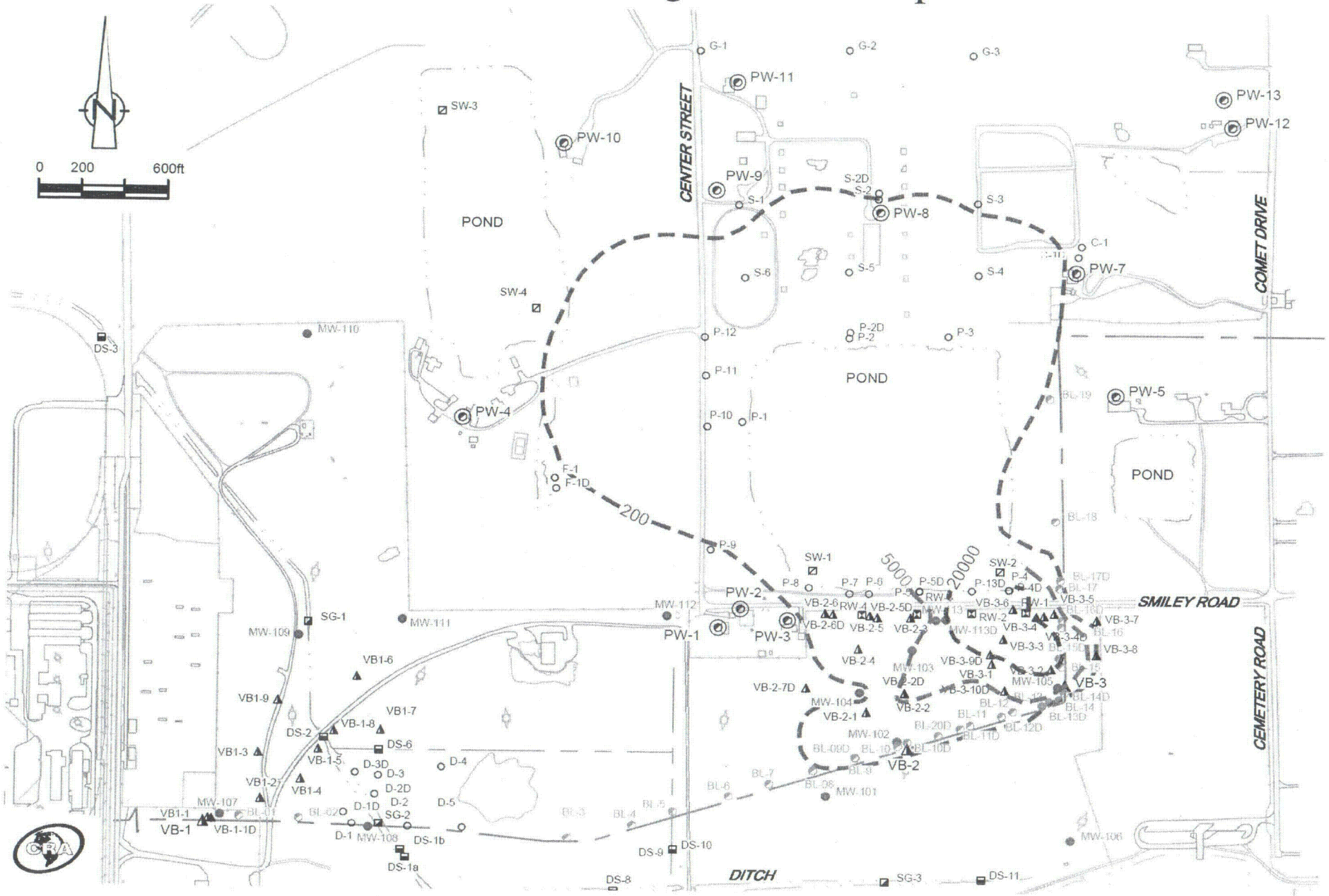
Area Above 20,000 pCi/L



Area Above 5,000 pCi/L



Area Above Background—200 pCi/L



1998 and 2000

- Releases from blowdown line vacuum breakers
- Both releases were contained on site property
- 1998: Treated as a water spill, and left water on the ground to evaporate
- 2000: Water was sampled and removed
- Water from these spills migrated into groundwater
- Why did this happen?

Preventing Future Releases

- Will not put tritium in pipe unless we have high confidence that we can prevent leaks
- Enhanced surveillance and monitoring
- Vacuum breaker inspection and preventive maintenance
- Plan to reduce releases
  - Reduce releases by recycling water
  - Evaporate water that is not recycled
- Considering installing separate piping design

Clean Up

- Site Investigation Report
- Alternatives:
  - Containment
  - Collection/Treatment
  - No Action
- Final remediation plan approved by regulatory agencies
- Schedule will be agreed upon by Exelon and regulatory agencies
- Regulatory agencies will provide oversight to the implementation of Exelon's remediation plan

Ongoing Communication

- Community Relations Hotline: (815) 458-7000
- Web site: www.BraidwoodTritium.info
- Information Forum
- Community Advisory Panel
- Press Briefing
- Continued face-to-face communication

Summary

- No additional tritium being introduced
- No tritium in pipe until pipe integrity is assured
- Drinking water levels well below federal standards; insignificant health risk
- Monitoring to ensure no additional wells affected
- Implement remediation actions

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Questions?