



Institute of Nuclear Power Operations

Underground Piping Update

Joseph Sears

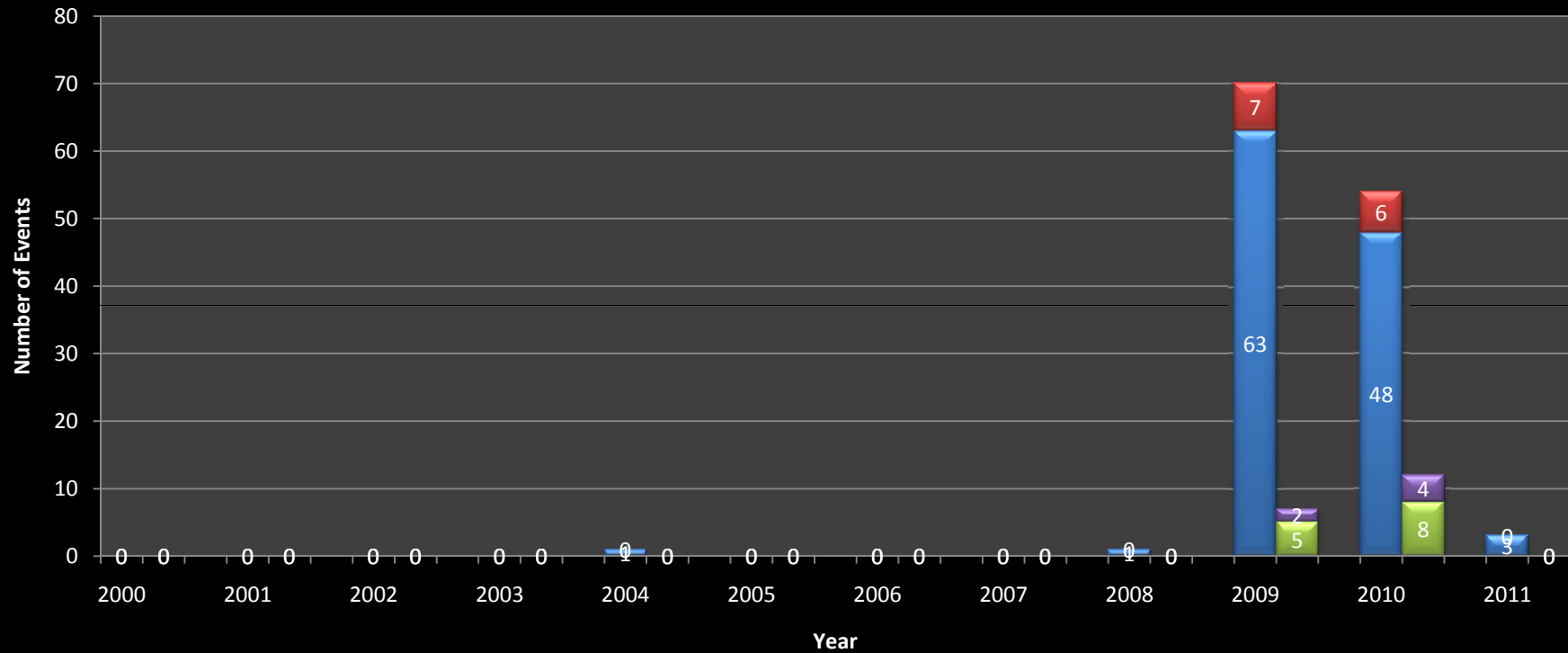
Manager, Chemistry - INPO

NRC-NEI Meeting

March 30, 2011

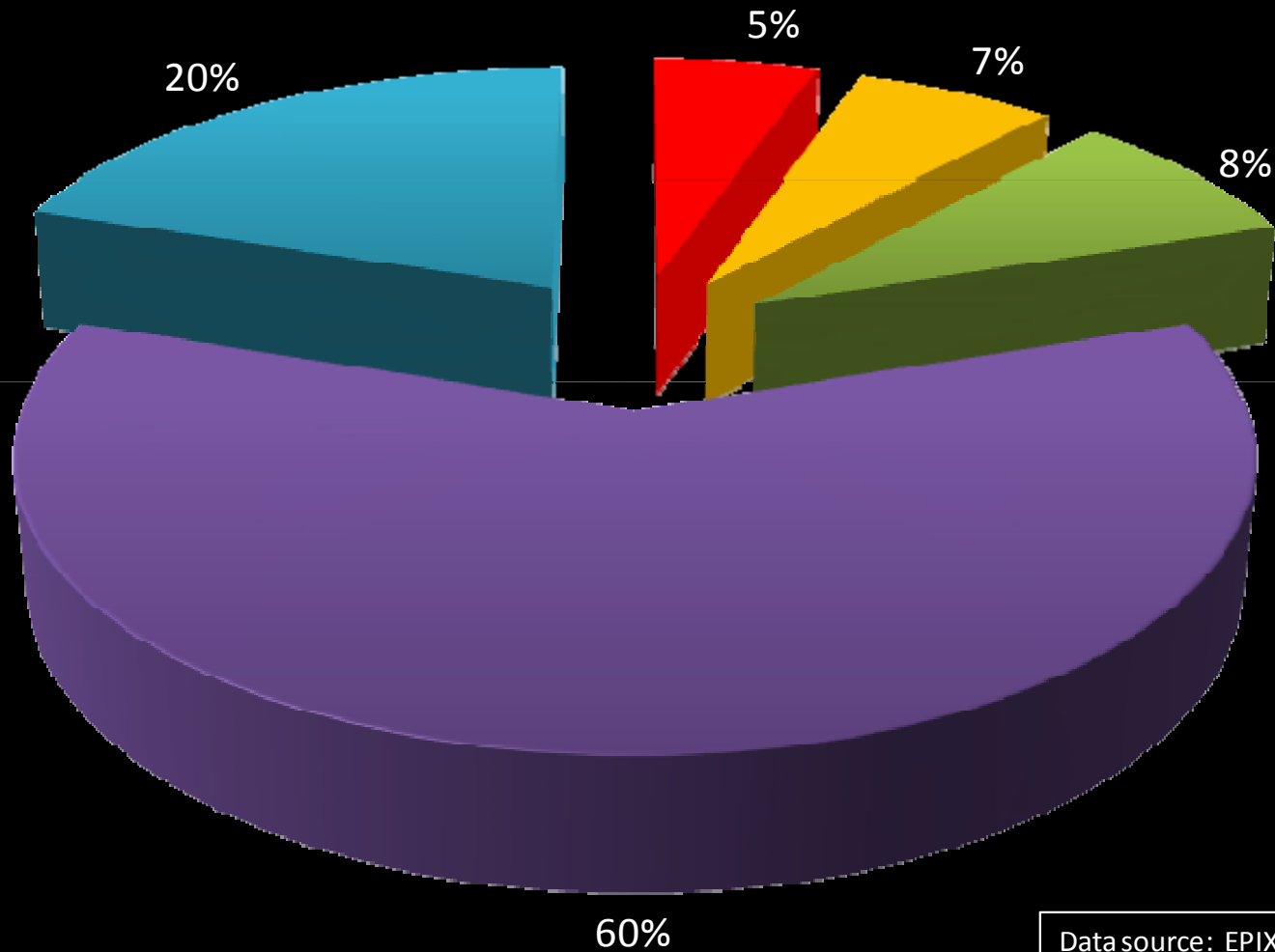
Number of Reported Events by Year and Failure Mode

- Leak
- Significant leak
- Other degradation or maintenance
- Adverse inspection finding (requires major repair within one cycle)



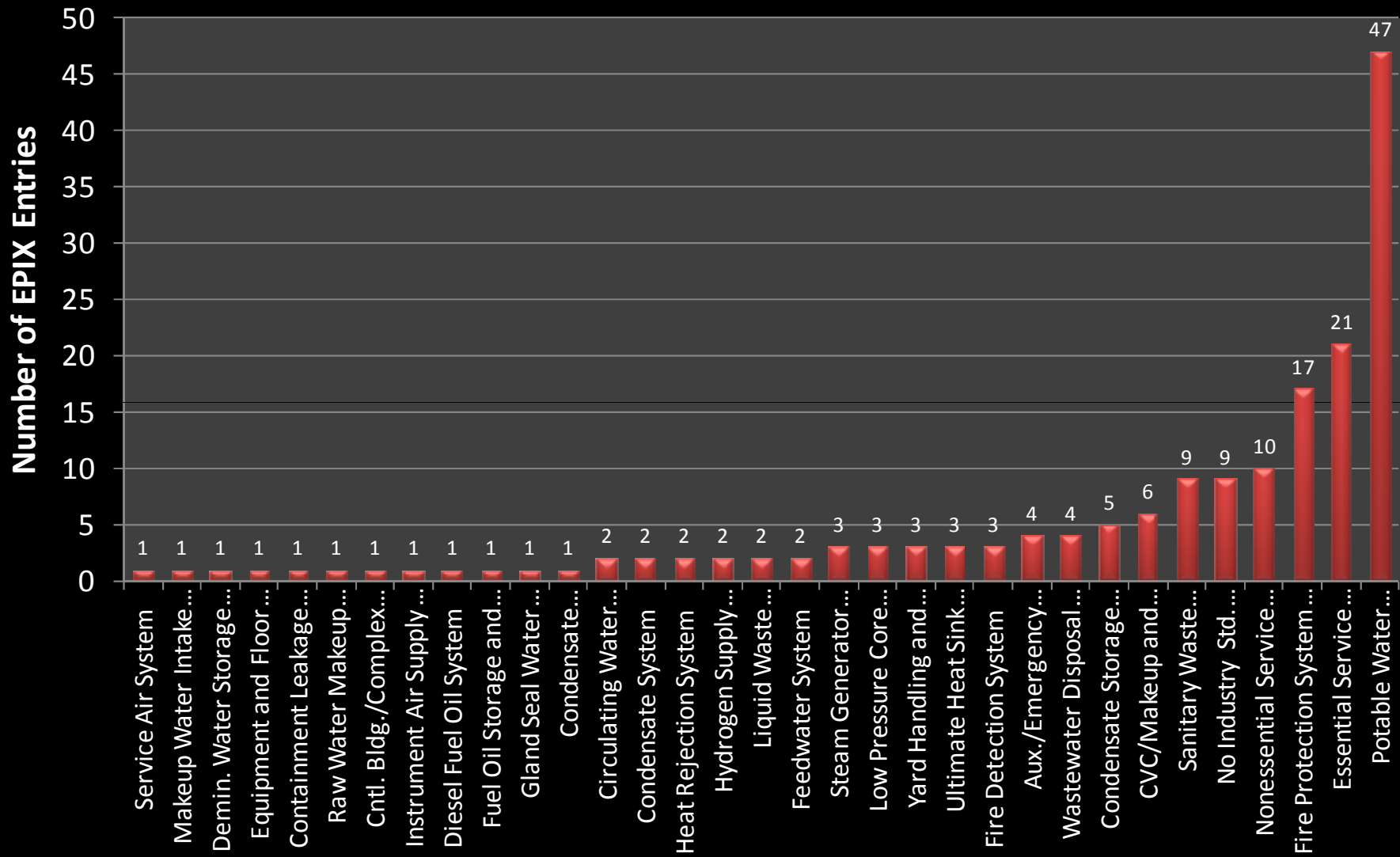
Buried Pipe Events Classification

- Contains Radioactive Material
- Safety Related
- Contains Environmentally Sensitive Fluid
- Other Buried Piping-run to failure
- Other Buried Piping-not run to failure



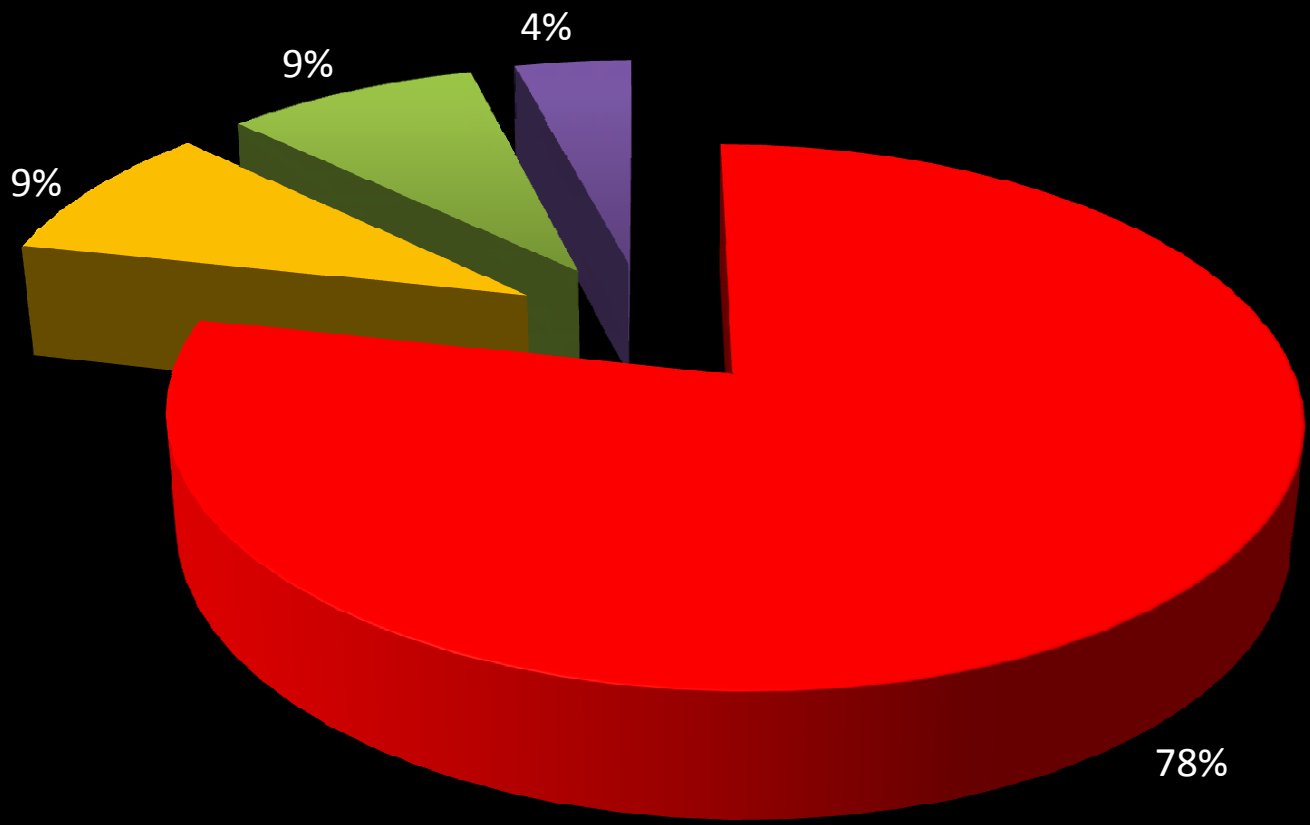
Data source: EPIX

Affected Systems



Buried Pipe Failure Mode

- Leak
- Significant leak
- Other degradation or maintenance
- Adverse inspection finding (requires major repair within one cycle)



Data source: EPIX