

# **NRC Information Request**

March 30, 2011



# NRC Information Request

- NEI will submit
  - Summary over all plants of design and leakage information for buried segments of “important” systems
- EPIX system names
- “Important” underground systems
  - Safety related
  - Licensed material
  - Environmentally hazardous
- Leakage data from 2007 to 2010

# Template – Design Information

## SYSTEM DESIGN INFORMATION

For underground piping segments in the system:	One or more underground segments?	Safety Related?	Contains Licensed Radioactive Material?	Contains Environmentally Hazardous Material?	Predominant material on the exterior side of the piping. Enter "1" for all that apply								Piping Classes Enter a "1" for all that apply				Subjected to Sec XI quarterly O&M flow tests?	Comments, including piping materials "C" or "O"
					AL	CU	C*	FE	O*	P	S	SS	1	2	3HE	3		
System	1 or blank	1,0	1,0	1,0														
<b>Typical Underground Systems</b>	-																	
Aux./Emergency Feedwater System (PWR)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Auxiliary Steam System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Carbon Dioxide (CO2) Supply System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chilled Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Closed/Component Cooling Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Cooling Tower Blowdown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Condensate System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Condensate Demineralizer System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Condensate and Feedwater Chem. Cntl. Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CVC/Makeup and Purification Sys. (PWR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Demin. Water Storage and Transfer Sys.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Fuel Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Diesel Lube Oil System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Equipment and Floor Drains System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Emergency/Standby Gas Treatment System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Essential Service Water System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Essential Air System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Feedwater System	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fire Protection System (Water)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Fire Protection System (Chemical)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	



# Template – Leakage Information

LEAKAGE EVENT INFORMATION												
2007												
Number of Events	Initiation, Enter a "1" for the initiator of each leak			Cause Codes, Enter "1" for the most applicable cause of each leak								
	ID	OD	?	Crk	Gal	GC	Lea	Mec	MIC	O	Ovd	Pit
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0

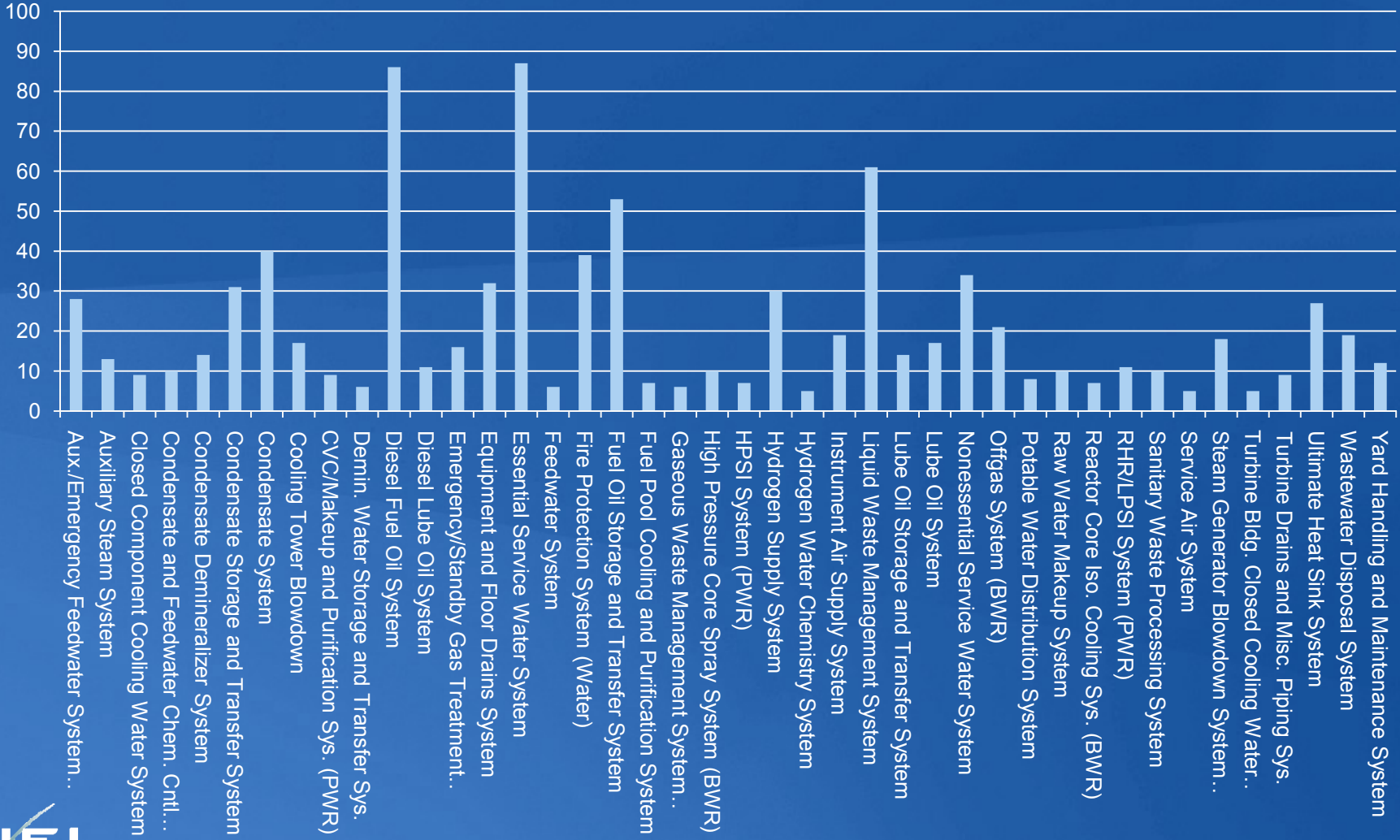


# NRC Information Request

- Initial observations
  - Variability of interpretation
    - System names
    - Which systems are “important”
  - Information will not agree with EPIX leakage data or cause codes
  - No apparent surprises
- Should submit by end of April

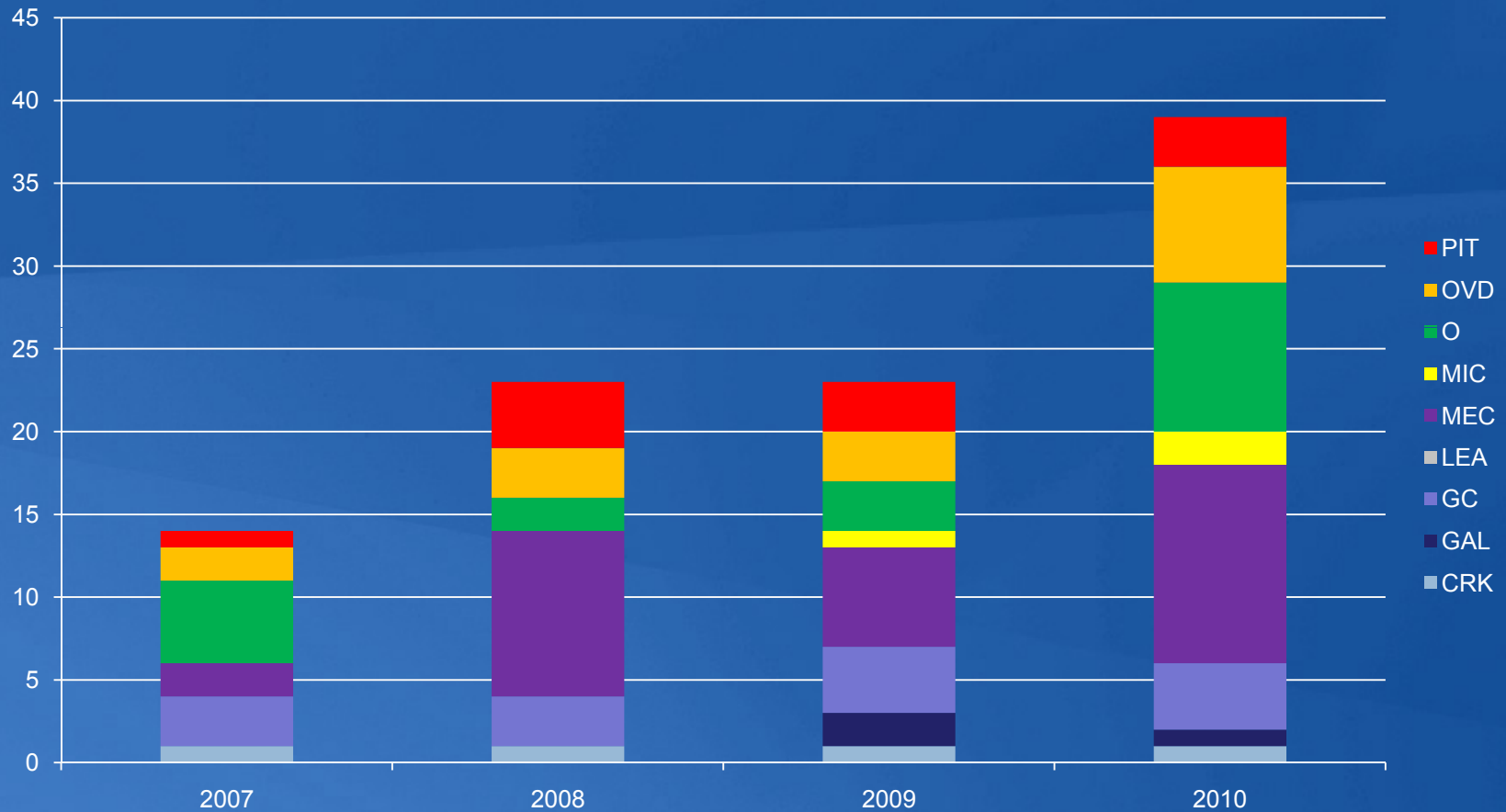
# Preliminary General Observations

## Principle Buried Systems



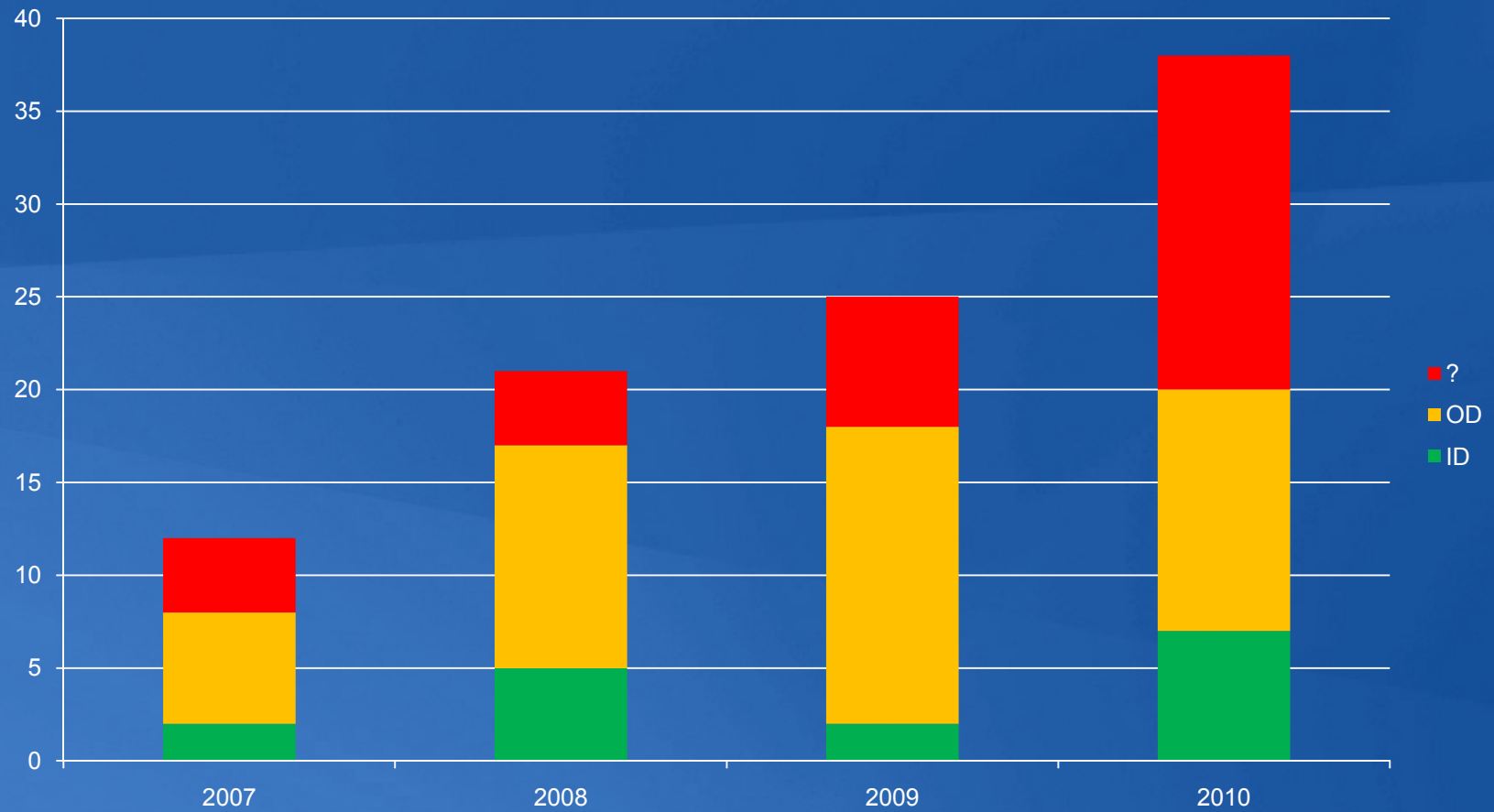
# Preliminary General Observations

## Leak Cause Codes by Year



# Preliminary General Observations

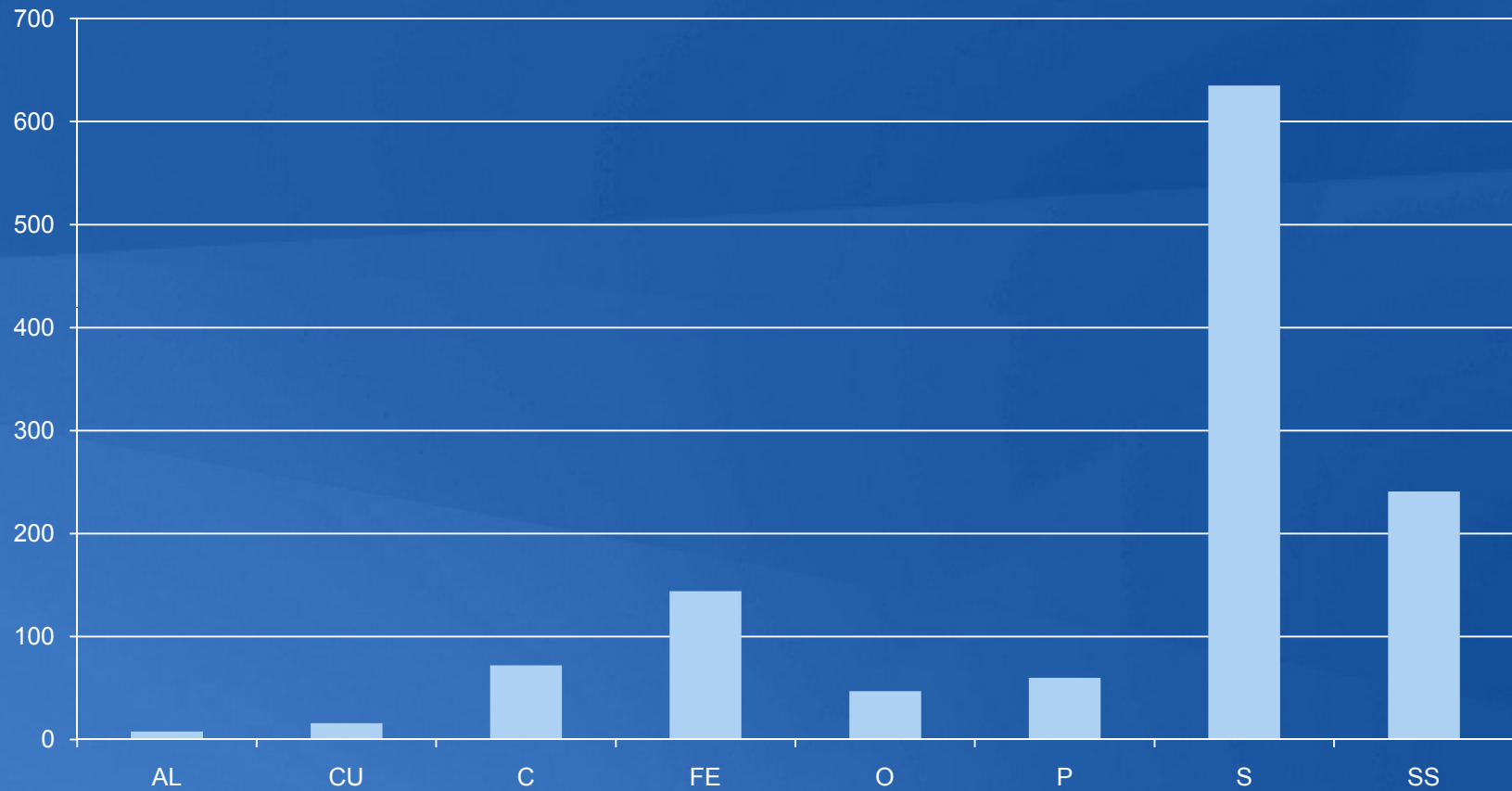
## Leak Initiators by Year





# Preliminary General Observations

## Materials of Fabrication



# Preliminary General Observations

## Percent of Buried Segments by Classification

