SPCC and Industry Standards

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Key Theme - Industry Standards SPCC has 2 goals - Prevention – Emergency Response Industry standards are preventive There are hundreds of tank standards

The Link Pin - the PE

Must be familiar with SPCC
PE or agent has visited site
Plan meets requirements
Plan in accordance with "good engineering practice"
Applicable industry standards have been considered

Industry Standards

2 Key Resource Documents

 API 2610 Design, Construction, Operation, Maintenenane and Inspection of Tank and Terminal Facilities

 API 340 Liquid Release Prevention and Detection Measures for Aboveground Storage Facilities

Existing Only (Major Simplification) Tank Inspection Codes - API 653 Tank Inspection, Repair, Alteration, and Reconstruction - STI SP001-00 – API 12R1 API 570 Piping Inspection Code API 2350



API 570 Piping Inspection Code Underlying Other Inspection Corrosion Mitigation Design Standards Quality Safety Codes or Standards New Construction Documents API RP 750 ASMEB16.34 ASMEBoiler and Pressure API 510 Management of Vessel Code API 651 NACE RP0169 Pressure Vessel Process Hazards Valves - F;amged. Tjreded. Section IX Cathodic Ptoection of Control of External Inspection Code amd We;domg Emd "Welding and Brazaing Aboveground Storage Corrosion on Qualifications" Tanks Underground or NFPA 704 Submerged Metallic Identification of Piping Systems API RP 574 the Fire Hazards Inspection of Piping CP-189 of Materials Standard for Qualification System ASMEBoiler and Pressure and Certification of Components Vessel Code R:0170 NACE RP0274 Section VIII, Division 1 and 2 Nondestructive Testing Protection of Austentic High-Voltage Electrical Presure Vessels Personnel Stainless Steels from Inspection of Pipeline API 598 Polythionic Acid Stress Coatings Prior to Valve Inspection Corrosion Cracking Installattio SNT-TC-1A During Shutdown of and Testing **Refinery Equipment** ASME B31.3 Process Piping Application of Organic Coatings to the External Surface of Steel Pipe for Underground Plping Notes: 1. The source of this data is from API Standard 570 "Piping Inspection Code", Second EditionOctober 1998, Section2 "References"; the organization of standards is by PEMyers. 2. API 570 references directly references all of the standards shown on this diagram and they are applicable and mandatory under the appropriate conditions as indicated in API 570. 3. API Standards are revised, reaffirmed, or withdrawn at least every 5 years. 4. API Standards, revision or addenda are effective 6 months after



Conclusions

Prevention will protect the environment more than emergency response (spills are reduced)

The stronger use of industry standards is exactly what is required (and implied by SPCC).

The PE is the link pin holding it all together

Owners must allocate resources and