

BI-02A.50.1 Flammable Fluid Line Control Systems detect and react to loss of containment

(Accountable - Engineering Manager (Site) (Unassigned))

Expectations

Sites should develop specifications and provide these to OEMs/Suppliers and site maintainers on the control systems required to meet site requirements for normal and abnormal operations/maintenance. The control systems should confirm flows are in specification and alarm/react to unwanted conditions.

Specify

1. Circulating flammable liquid systems have monitoring systems installed from factory.
2. Release of flammable liquids trigger appropriate responses - alarm, engine shut down, fire suppression system deployment or a combination of these.
3. Related components are included in plant safety file documentation and suggested maintenance strategies for the item of mobile plant.

Implement

1. Pre-acceptance and approval process between OEM, Supplier and Client.
2. OEMs prepare and execute procedures that are provided to and executed by Operators and maintainers related to inspection, maintenance and testing of fluid monitoring systems.
3. Introduction to site process identifies presence and functionality of liquid monitoring systems.

Monitor

1. Introduction to site processes capture inclusions in the maintenance strategy and information for inclusion in the plant safety file.
2. Reports on work orders conducted and pre-start inspections confirm that ongoing checks are made on the functionality of the flammable fluid monitoring systems.
3. Defect systems trigger appropriate responses for loss of functionality of flammable fluid monitoring systems.