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Reliability Specialist - Fire & Gas

Req ID: 75537BR

Job category: Operations

Countries (State/Region): Alaska

Location: United States - Alaska - North Slope

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Role synopsis

The Reliability Specialist F&G (Fire & Gas) is responsible for supporting deployment and adherence to the F&G equipment strategy for all F&G equipment across BPXA North Slope facilities and operations.

This position will steward and maintain F&G execution procedure program, impairment program, and the technician certification assurance program.

In addition, this role will actively work to enhance the F&G system through support of the obsolescence program, critical spares program, development and submittal of F&G metrics, and being a key stakeholder in the ongoing standardization and improvement of the Preventive Maintenance program.

Key accountabilities

- Development and updating of F&G equipment strategies
- Development of optimized preventive and corrective “maintenance execution” procedures
- Interfacing with the PM / maintenance build team to develop and / or improve the F&G ITPM procedures
- Ensuring that the work management system (CMMS) is used as centrally defined (OMS 5.4 requirements)
- Participate and/or facilitate equipment covert failure investigations
- Developing F&G repair procedures and critical sparing strategy.
- Interface with maintenance and operations personnel on a frequent basis to address technical concerns and define corrective action plans.
- Development of reliability metrics and reliability analysis

- Coordinating F&G technician certification assurance program
- Coordinating F&G impairment program
- Facilitating and reporting on obsolescence & Critical Spares programs
- Schedule and lead facility assurance reviews of PM/CM work activities and documentation, ensuring compliance with the equipment strategies, required codes and standards.
- Interfacing with F&G Discipline engineering to refine BP engineering standards and resolve ITM related technical issues.
- Interface with F&G Discipline Engineering to identify reliability metrics to assist in determining Fitness for service of active, passive, F&G detection and emergency response systems.

Essential Education

BS Engineering or Engineering Technology

Essential experience and job requirements

- Graduate of an accredited engineering or engineering technology curriculum
- Three years of fire protection related support / engineering work experience.
- Demonstrated experience working in a Highly Protected Risk environment.
- Experience in the maintenance of controlled process safety information,
- mechanical integrity, and management of change / change control processes, as it relates to fire protection• Ability to facilitate facility assurance reviews
- Ability to analyze the performance of assigned Fire and Gas equipment classes, determine reliability, and optimize Preventive and Predictive maintenance programs
- Skills to lead and facilitate root cause investigations
- Demonstrated skills in establishing and maintaining equipment strategies in accordance with regulatory standards

Other Requirements (e.g. Travel, Location)

- Must be willing and able to work a rotational schedule (12 hour shift, 14 days on and 14 days off) on the North Slope of Alaska.
- Currently hold or have the ability to obtain a valid US driver's license, and be able to drive in arctic winter conditions.
- Willing and able, with or without reasonable accommodation, to routinely climb stairs and ladders to extended heights.

Desirable criteria & qualifications

- A degree (BS or MS) in Fire Protection Engineering or Fire Protection Engineering Technology.
- Experience with design and maintainability of fire alarm/detection systems including optical flame detection, gas detection, smoke detection (including air aspirating systems), and thermal fire detection systems .
- Experience with design and maintainability of special hazard suppression systems, such as Halon, , carbon dioxide suppression, and other clean agent systems.
- Experience with design and maintainability of water based fire protection sprinkler systems including wet, dry, deluge, and pre-action type system, water mist systems, etc.
- Experience in the application of the OSHA Process Safety Management Rule (Title 29CFR1910.119) for established and operating fire protection systems.
- Experience working with aged / obsolete equipment, to maintain an acceptable risk profile for one-of-a-kind operating facilities.
- Experience in design, commissioning, and maintenance of new Fire Protection and F&G detection technologies.

- Experience as a field engineer/project lead for industrial F&G detection and suppression systems in the oil or petrochemical industry.
- Demonstrated competency in the interpretation and application of both regulatory and statutory requirements / codes (IBC, IFC, NFPA, and CFR), equipment manufacturer's manuals, and equipment design documentation.
- Demonstrated experience in the evaluation and management of operational hazards identified through preventative maintenance activities, field inspections, process hazard analysis, or audits.
- Experience applying risk based approach for hydrocarbon process facilities during protection system failures/impairments

Relocation available

No

Travel required

Yes - up to 10%

Is this a part time position?

No

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Segment

Upstream

Closing Date

28-Apr-2017

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