Job posting preview

Location
United States - Alaska - North Slope

Job title
Reliability Specialist - Fire & Gas

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

• Graduate of an accredited engineering or engineering technology curriculum
**Essential experience and job requirements**

- 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 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.

**Desirable criteria and 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.

**Eligibility Requirements**

If you are applying for a position in the United States, you must be at least 18 years of age, legally authorized to work in the United States; and not require sponsorship for employment visa status (e.g., TN, H1B status), now or in the future.

**Other Requirements (eg 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.

**About BP**

Our business is the exploration, production, refining, trading and distribution of energy. This is what we do, and we do it on a truly global scale. BP operates with business activities and customers in more than 80 countries across six continents. Every day, we serve millions of customers around the world. We are continually looking for talented, committed and ambitious people to help us shape the face of energy for the future.

BP’s Upstream segment focuses on finding reserves of oil and gas, developing the means to extract and process it and then consistently producing and transporting it to market. This involves using cutting edge technology to find the energy reserves, the ability to drill thousands of meters under the ground, designing, building and
operating some of the world’s largest most complex production onshore / offshore facilities and finally being able to transport these fluids, in order to provide energy to the world.

BP is the largest operator (excluding National Oil Companies) in the world with over 6.6MM BOE/Day gross operated production and operations in 25 countries on six continents. The largest community in BP’s Upstream Segment, around 6000 people work in operations, essentially delivering oil and gas from the wellhead to the market. Operations staff play a significant role at all stages of the exploration and production cycle - providing input to a project from early appraisal all the way through to full production.

Disclaimer

If you are selected for a position in the United States, your employment will be contingent upon submission to and successful completion of a post-offer/pre-placement drug test (and alcohol screening/medical examination if required by the role) as well as pre-placement verification of the information and qualifications provided during the selection process. The drug screen requires a hair test for which BP must be able to obtain a sufficient hair sample for analysis (~4 cm/1 ½” scalp, or > 2 cm/¾” body – arms & armpits/legs/chest).

BP is an equal employment opportunity and affirmative action employer. View our policy statement.

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

If you are a US-based applicant or you are applying to a position in the US and you are an individual with disability or a disabled veteran, and would like any type of assistance to apply or to access or to attend any recruitment or selection event, system or process, we would like to help you to ensure that your application process goes as smoothly as possible. If you need assistance, information, or answers to your questions, and you are an individual with disability or a disabled veteran, feel free to contact us or have any of your representatives contact us at BP US Application Assistance BPUSApplicationAssis@bp.com, Telephone: 281.366.1999.

Read the Equal Employment Opportunity is the Law poster and the poster supplement - for more information about Equal Employment Opportunities. (Spanish version)

An equal opportunity employer/disability/vet.

Relocation available No
Travel required Yes - up to 10%
Is this a part time position? No
Application close date 14-Nov-2016
Removal Date 14-Nov-2016

Close