

Asset Integrity & Process Safety (AIPS) Department

Job Description - PMC Process Safety Engineer

The desired candidate shall have following experience and qualification as a minimum.

Experience:

- Coordination, supervision, and execution of the HSE engineering documents.
- Experience in preparing/reviewing/updating technical procedures and guidelines in-line with ADNOC requirements.
- Providing technical support, developing work plans, monitoring project progress, identifying team resources, setting priorities and time schedule.
- Performance management of subcontractors for HSE engineering activities/process safety studies.
- Experience in conducting Process Safety Management audits, and also participate in external audits.
- Tasks to be performed can include but not limited to the following:
 - Prepare/review of HSE philosophies and safety study reports.
 - Prepare/review the documents for the hazardous area classification.
 - Prepare/review the specification for passive fire protection (fireproofing) and fire and gas detection systems.
 - Prepare/review the safety integrity level assessment/verification.
 - Prepare/review the layout drawings for safety equipment location, escape routes and safety signs.
 - Prepare/review the design basis and characterization of the firefighting protection systems and prepare relevant documents.
 - Prepare/review the firefighting supply specification and review vendor documentation.
 - Review Hydraulic calculation for the fire water network.
 - Review Fire & Gas Detection Mapping, QRA, FERA, SIMOPS.
 - Safety studies/reviews and follow-up: HAZID, HAZOP, SIL Assessment, PSSR.
 - Review the HAZOP/HAZID Summary Report and the HAZOP/HAZID Action Reports.
 - Prepare and monitor the HAZOP/HAZID Response Register to incorporate the HAZOP/HAZID recommendation into the design.
 - HSECES Identification and Performance Standards Development (Design and Operation Phase).
 - Prepare/review the HSEIA dossier and Statement of Fitness.

Qualifications:

- Engineering Degree (preferably chemical) and work experience not less than 5 years in Process Safety Management, in the position of technical safety/process safety/loss prevention engineer.
- Experience in handling engineering data and good understanding of engineering data requirements for different Process Safety projects.
- Experience in PHAST, Bow-Tie XP, MS Office etc.
- Advanced user of Microsoft Office tools (word, excel, power point, etc.)
- Very good knowledge of written and spoken English.
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Asset Integrity & Process Safety (AIPS) Department

Job Description - PMC Asset Integrity Engineer

The desired candidate shall have following experience and qualification as a minimum.

Experience:

- Review and assesses the inspection and testing reports of static equipment/piping in accordance with the API (510/570/653), and ADNOC codes of plant inspection and provide feedback on findings and recommendations.
- Advise and recommend required repairs or replacements to defective plant and equipment to ensure conformity to approved standards and codes.
- Experience in monitoring inspection activities.
- Experience in fugitive emissions monitoring and LDAR surveys.
- Experience in preparing/reviewing/updating Asset Passports for static equipment.
- Experience in understanding the requirement of Engineering Data for different Asset Integrity Projects (e.g., OneAPM, Asset Passports, etc.)
- Experience in preparing/reviewing Asset Registers.
- Experience in conducting Fitness-For-Service (FFS) assessments, Remaining Life assessments, and other risk assessments.
- Experience in preparing/reviewing/updating Technical Procedures and Guidelines in-line with ADNOC requirements.
- Experience in both qualitative and quantitative Risk-Based Inspection (RBI) studies.
- Experience in OneAPM implementation, data gathering, populating templates, conducting risk assessments, and generating/reviewing inspection plans, etc.
- Experience in conducting Asset Integrity Management audits, and also participate in external audits.

Qualifications:

- BSc in Mechanical or Metallurgical Engineering
- API certification API 510, 570, 653, any.
- Must have above ground storage tank inspection certifications and experience.
- 6-8 years' experience in a plant inspection function in the oil refining or petrochemical industry, including experience in controlling plant inspection records.
- Experience in preparing/reviewing/updating technical procedures and guidelines in-line with ADNOC requirements.
- Experience in handling engineering data and good understanding of engineering data requirements for different Asset Integrity projects (OneAPM, FFS, etc).
- Advanced user of Microsoft Office tools (word, excel, power point, etc.)
- Very good knowledge of written and spoken English.