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## **Process Safety and Risk Engineer III - 35655**

The Process Safety Engineer is a member of the GPO Alaska Engineering Team, which is responsible to ensure the technical content is in alignment with business objectives for each project. This includes reviewing technical work done by the contractor(s) and providing technical guidance and assurance for Projects. In addition, provides an active role in the management of major accident hazards and risks.

### **Key accountabilities:**

- Provide process safety engineering technical guidance and assurance in support of the company's Alaska Operations, Wells, and Projects organizations
- Facilitate project risk assessments for projects and modifications generated by the Project Management Team (PMT) in support of the company Management of Change (MOC) process.
- Review and advise on process safety engineering deliverables from the Engineering Contractor
- Work with the Contractor during specification, tender, selection, purchase, installation & commissioning of process equipment to provide the company's technical integrity assurance
- Provide support during construction to ensure all process safety aspects of site technical queries, non-conformances, concession requests are properly considered, including siting of temporary buildings.
- Evaluate requests for deviations or exemptions to the established specifications and standards
- Determine risks to delivery and ensure adequate risk mitigation plans are in place
- Ensure engineering quality in the discipline and advise on any training requirements
- Provide technical input to risk assessments, Management of Change reviews, and project reviews
- Maintain a working knowledge of all relevant codes, standards, and regulations that pertain to process safety engineering
- Provide mentoring and coaching assistance to develop junior engineers
- Provide risk assessment support through risk reviews, including HAZOP studies, Layers of Protection Analysis and other risk analysis techniques

### **Essential experience and job requirements:**

- Experience and working knowledge of HYSYS and other simulation software, including development of the heat and material balance of a system
- Experience and working knowledge of process safety risk assessment tools, including Major Accident Risk (MAR), PHAST, Failure Modes and Effects Analysis (FMEA), Fault Tree Analysis (FTA),

HAZOP & LOPA.

- Experience in a front line process safety engineering role in projects and/or operations in oil & gas petrochemical facilities
- Knowledge of safety system design, quantitative risk analysis, LOPA calculations.

Desirable criteria and qualifications

- Works proactively
- Promotes open and effective communication
- Coaches others to help in their development
- Demonstrates shared commitment to the success of the team, project and wider organization
- The ability to manage multiple priorities and possess good organization, facilitation and group coordination skills
- The ability to engage and work with all levels of the organization, including contractors and the company's employees
- Demonstrates respect for other people's cultures and perspectives
- Takes appropriate risks, using management of change processes to deliver successfully with an understanding of the business context
- Assimilates complex and ambiguous data to identify key issues and aid decision making
- Familiar with the company's local Production Facilities and practices

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