

LNG Plant Operator 1

Duties & Responsibilities

1. An employee so classified shall meet the qualifications and perform all of the duties of an LNG Plant Operator 2 (see below).
2. Shall perform operating and maintenance duties in a safe and efficient manner.
3. Shall work without supervision, direct the work of other employees and contractors, and make decisions as required to achieve and maintain optimum plant operations.
4. Shall train the LNG Plant Operator 2 in all aspects of the operation of the plant, and in all maintenance procedures at the plant.

Qualifications

1. Must possess a Power Engineer's Certificate (Fourth Class).
2. The qualifications of a Plant Operator 2.
3. Must be able to evaluate conditions and make decisions to achieve optimum plant operation, particularly under critical circumstances and must be able to work alone.
4. Must be prepared to maintain the process machinery and plant grounds.
5. Must be able to communicate in both verbal and written form and be capable of maintaining neat and accurate records and logs of plant operation.
6. Must have a proven record of demonstrating initiative and a sense of responsibility.
7. Must be cooperative and meticulous.
8. Must have demonstrated safe work habits and adherence to safety regulations and practices on a sustained basis.
9. Must be prepared to work rotating shifts.
10. Must be in good physical condition without a fear of heights and the ability to climb ladders.
11. Must have valid BC Driver's license.
12. Should have experience with electronic and pneumatic instrumentation, large reciprocating and centrifugal compressors, commercial refrigeration equipment and multistage pumps.
13. Should have a thorough knowledge of thermodynamics.

Additional Information

All applicants must complete Occupational First Aid.

LNG Plant Operator 2

Duties & Responsibilities

The LNG Plant Operator 2 shall operate the LNG Plant and perform required maintenance at the LNG Plant under the direction of an LNG Plant Operator 1 or the LNG Plant Manager. At times when the Plant is not liquefying or sending out, he shall operate auxiliary equipment and perform required maintenance without direct supervision.

Shall operate equipment and processes such as: LNG storage tank; cycle gas and boil off gas compressors; gas purification, liquefaction processes; send out equipment including LNG pumps, vaporizers, odorizer; nitrogen generator with associated equipment; cooling equipment; standby diesel generator; measurement, instrumentation, control and gas analysis equipment.

Shall operate the Plant equipment on manual control in the event of an equipment failure, particularly under critical circumstances.

Shall direct and carry out appropriate action during emergency incidents or fires until relieved by someone of higher authority.

Shall maintain a log of pressures, temperatures and volumes and make adjustments to control the operation and advise the oncoming operator of problems or unusual conditions.

Will load mobile LNG equipment as required.

Shall safely cool down equipment and maintain the Plant in a state of readiness, for send-out at short notice.

Shall maintain liaison with Gas Control for communication on send out and liquefaction.

Shall report all questionable conditions to the Plant Manager.

Shall do running repairs and general maintenance.

Shall do major repairs, overhaul, general maintenance, painting and grounds maintenance during periods when time and responsibilities permit.

Shall arrange for specialist maintenance service as required.

Shall perform duties as assigned, including preparation of reports, manuals and procedures; jobs in other sections of the Company; and operate a Company vehicle.

LNG Operator 2 will be in the entry position. Progression from an LNG Operator 2 to an LNG Operator 1 will be dependent upon demonstrated competence to carry out all aspects of the job.

This will include successful completion of the Gas Technology Institute's LNG Plant Operator Training Program, and a hands-on operating test to demonstrate proficiency.

Must obtain and hold a Power Engineer's Certificate (Fourth Class).

Must be able to operate all the processes in the Plant on his own under all conditions, except send-out, where two operators are normally required.

Progression from an LNG Plant Operator 2 to an LNG Plant Operator 1 may occur after one year. If he fails to progress to LNG Operator 1 within two years he shall revert to his previously-held position. In the case of relief operators, times will be considered cumulatively.

Qualifications

1. Must have a thorough knowledge of physics, chemistry, electricity and basic process control equivalent to one year post high school and must have the ability to acquire a thorough knowledge of the gas liquefaction process.
2. Should have experience with some or all of the following, or the ability to acquire thorough knowledge quickly: Flow meters; electronic and pneumatic instrumentation; large heavy-duty compressors with electric motor drives; LNG pumps and gas vaporizers.
3. Process plant operating experience and/or process plant maintenance experience at a journeyman level highly desirable.
4. Must be able to work under stress and work alone.
5. Must be able to maintain records and logs of Plant operation.
6. Must be capable of keeping abreast of new technology as it applies to Plant operation.
7. Must be in good physical condition, be able to climb ladders and have no fear of heights.
8. Must qualify to drive Company vehicles.

Shift Coverage

Plant operators will work shifts as required*. The operators will work day shift on a normal day shift basis at the LNG Plant on maintenance or overhaul or in other areas of the Company as required.

*Rotating 12-hour shift presently 3-2, 2-3, 2-2.