Catalyst Technician

Department: Catalyst Handling

Reports to: Supervisor / Project Manager

Position Summary: This position requires work in petrochemical plants/refineries requiring confined space entry in inert atmospheric conditions. Scope of work requires entry into and in close proximity within a single/multi bed reactors or other enclosure, some of which will contain an oxygen deficient atmosphere.

Duties and Responsibilities of a Catalyst Technician

(This list is intended to show on-going primary duties. Employee may be expected to perform other duties as assigned. The Company reserves the right to add or change at any time.)

1. Vacuum catalyst or other materials, spread and load catalyst or other materials. Shovel catalyst or material to the outside of reactor.
2. Dismantle and/or Install various reactor hardware items.
3. Clean/wipe/wash/scrape relevant areas of the reactor or other enclosure.
4. Take samples of catalyst or other materials.
5. Video-tape specified areas of concern.
6. Assist in the removal or replacement of all items from or into the reactor.
7. Set up and dismantle all unloading and reloading equipment. Set up, utilize and dismantle screeners, drum dumpers, air locks, dust collectors, cooling/refrigeration units and various other major components.
8. Perform various degrees of maintenance on all equipment with direct and indirect supervision.
9. Promotes the company’s business by conducting work assignments with a positive attitude and professional safe manner.
10. Provide ground support during any HPA field work.
11. Cleans up work area and equipment after work is completed. Assists in maintaining a safe, clean work place, change room, locker area and customer’s plant.
12. Assists in the operation of equipment or power tools as directed and in accordance with established company, customer plant safety rules and the required regional legislation.
13. Assist in the inspection of equipment, hoses, connections, pumps and general work area prior to starting any job. Informs supervisor of deficiencies, which may cause accidents, injuries or lost productivity.
14. Inspects PPE, equipment, hoses, connections, pumps and general work area prior to starting any job. Corrects or advises immediate supervisor to correct deficiencies which may cause accidents, injuries, lost productivity or which are inconsistent with the work order or customer’s requirements.
15. Reports to work on scheduled time. If unable to show up for assigned work, notifies supervisor no less than six (6) hours in advance of scheduled time.
16. Wears the personnel protective equipment prescribed by posted signs, written instructions, and work permits. Also wears additional protective equipment specified by the supervisor or customer safety department.
17. Promotes safety through own actions and work habits. Reports all incidents, accidents and near misses, involving self, company vehicles or other job personnel to supervisor immediately.
18. Performs Hazard Recognition Awareness to remove or identify for removal of all hazards from the workplace.
19. Complies with all applicable rules, regulations, policies and procedures of the company, customer and pertinent government legislation.
20. Develops an advanced working knowledge of all equipment that is utilized in performing assigned duties.
21. Completes all paperwork associated with the work performed.
22. Performs all other duties as assigned by supervisor and management personnel.

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**Competencies and Minimum Requirements**

1. Understand and follows verbal and written instructions
2. Basic math skill
3. Basic mechanical ability and knowledge of associated tools.
4. Basic Safety Training Skills
5. Perform work in enclosed (confined) space, if project/evaluation requires.

**Requirements & Physical Requirements**

1. Obtain medical clearance this includes successful completion of annual Full Respirator Clearance, Pulmonary Function Testing, Physical Fitness Evaluations, Biological Screening if required, Urinalysis Screening, Audiometric, etc.
3. Pass a criminal background check
4. Acceptable MVR and valid driver’s license if authorized to operate company vehicles and motorized equipment including forklifts, etc.
5. Physically capable of performing all duties and responsibilities assigned. Specifically, lift 50 pounds.
6. Physically capable to stand and/or walk continuously for long periods of time if necessary.
7. Physically capable to climb, balance, bend/stoop, and kneel continuously.
8. Physically capable to climb ladders and scaffolds (vertical and inclined) to heights in excess of 10’ ft.
9. Physically capable to frequently crouch, push/pull, squat and work above the shoulders during the performance of the daily job routine.
10. Physically & emotional capable to work in confined spaces.
11. Physically capable to enter confined spaces with manways 24-56” inch diameter clearances.
12. Physically capable to perform and assist during emergency rescues.
13. Capable of working in and around oxygen deficient atmospheres, such as IDLH atmospheres.
14. Physically capable of working outdoors (heat, cold, humidity, etc.)
15. Physically capable of wearing personal protective equipment. PPE to be used includes: hard hat, gloves, monogoggles, safety glasses, double & single hearing protection, Fire Retardant Clothing, full face respirator, life support helmet and equipment for inert entries, etc.
16. Physically capable to drive vehicles with appropriate license.

Work Environment
Heavy industrial, chemical plants and refineries. Sustained physical effort, climbing, wearing supplied air and air purifying respirators, exposure to dusts, outdoor work, and 12-14 hour shifts days or nights.

Contacts
(Those organizations or customers that this position interfaces with on a regular basis.)
Internal: Catalyst Technicians, Administrative Staff, Shop Staff, Supervisors, Project Managers, Operation Managers, and Safety.
External: Customer’s Safety, Supervisory and Management Personnel

Qualifications
High school diploma or equivalent desired, able to complete new hire paperwork, pass safety training courses including CPR/First Aid/Emergency O2/AED/CS Rescue and acceptable job performance evaluations.

Work Experience
1 Year experience in petrochemical industry, 1 Year catalyst work experience, preferred.