

Muhammad Touqeer Nawaz

Total Experience: 4 Years in Refinery Operations

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Career Summary:

A highly motivated Operation Engineer having about 04 Years of working experience at **Refinery Distillation units and downstream Naphtha Complex units (Platforming and isomerization)**. Specialized in Field operations, Process monitoring, Optimization, Trouble shooting, HSE audits, Incident Reporting and Investigation. Implement Procedures for Safe plant Operation, startup and shutdown. Cope well under pressure, communicate effectively and interact supportively within a team environment. Good understanding and reading skills of P&ID & PFD.

Professional Experience:

Attock Refinery Limited, Pakistan

(Jan 2016 till Present)

I have about 4 years work experience in Oil Refinery of Pakistan as a Shift Engineer (Operations) at following plants;

❖ Responsibilities:

Currently working as a Operation Engineer at Naphtha Complex Platformer and ISOM

- Ensuring safe and smooth operation of unit while monitoring key operating parameters
- Efficient coordination with Field Operator, DCS operator and Coordination Engineer during emergencies
- Ensure incoming shift Engineer is fully briefed on current operating status and significant events during previous shift, to ensure seamless hand-over of responsibilities
- Supervising and managing permit to work systems (PTW) for the execution of jobs
- Risk Assessment and Job Safety Analysis.
- Preventive/Predictive maintenance Planning, Scheduling and reporting of jobs
- Reviewing and updating PFD's, P&ID's and SOP's of plants periodically
- Continuous monitoring of Furnace for optimum fuel consumption, ensuring safe furnace operation
- Check Chemical consumption calculations & inventory of process chemicals
- Daily inspection during the Field Round of all rotating equipment's used in operations such as pumps, compressors as well as static equipments such as heat exchangers, furnace, etc
- Capability for immediate first-line response in the event of emergencies or major incidents in order to eliminate or limit potential loss or damage to Company personnel, assets or the environment
- Maintaining the quality of products as per ISO standards
- Enforcing obedience to safety and environment regulations
- Responsible to adopt best and safe production and process techniques to operate plant under the guide line of standard operating procedures and IMS Procedure

Major working area includes;

- Hydro Reactor with CoMo Catalyst
- High Pressure Multistage Centrifugal Pumps
- Moisture removal feed and gas driers
- PD Compressor
- High Pressure three phase Separator
- Stripper, Stabilizer
- DIH Column
- Natural Draft Vertical Furnaces

- Heat Exchangers & Fan Coolers etc.

Hands on Experience:

- Catalyst Loading/Unloading Hydrotreater.
- Complete regeneration of Reformer Catalyst and safe storage.
- Hydro Test of various Process Equipments and pipe lines
- MRT and performance Tests of PD Compressors, pumps and fin fan coolers
- Trouble Shooting (i.e. Power Failure, Instrument Air Failure, Loss of cooling Water etc.)
- Coordinate and provide technical assistance in pre commissioning/commissioning activities during ARU Project - 2013 execution stage.

Professional Training & Courses:

- UOP ISOM Unit Training regarding plant commissioning, master start up and normal Operation
- OTS (Operator Training Simulator) Training completed in ARL at Reformer and Isom Unit
- "PTW, LOTO and JSA" by Attock Refinery Limited.
- "H2S Safety and Confined Space Entry Protocol" by Attock Refinery Limited
- "Fire Fighting Control, First aid & use of ELSA/SCABA" by Attock Refinery Limited
- **Eight months training in Sapphire Fibers Limited as a Chemical Trainee Engineer**

Skills:

- Process simulation ability at Chemical Process simulators Aspen Hysys and ChemCad
- Multi-unit operations management experience and Process improvement strategies
- Trouble shooting and problem solving ability
- Have knowledge of process safety, PTW, hazard identification and risk control techniques
- Possess good computer applications and interpersonal communication skills.
- Able to read & understand process drawings, P&IDs, Datasheets, MSDs.
- Demonstrated competence in emergency response and process optimization
- Able to make sound, quick decisions based on the facts of the situation and remain calm and in control in a possibly deteriorating environment

Academic Qualification:

<u>Degree</u>	<u>Passing Year</u>	<u>Institution</u>	<u>CGPA/%</u>
• B.Sc. Chemical Engineering	2014	P.U Lahore Pakistan	(3.82/4.00)
• FSC Pre-Engineering	2009	B.I.S.E. Lahore	84%
• Matriculation	2008	B.I.S.E. Gujranwala	89%

Additional Information:

Father's Name: Muhammad Nawaz
Religion: Islam (**Sunni**)
D.O.B.: 14th Aug. 1992
Marital Status: Single
Nationality: Pakistani
Mailing Address: Bungalow 14-D, Attock Refinery Limited, Rawalpindi, Pakistan

References

- References will be furnished on demand.