

MUHAMMAD ZUBAIR AKHTER

DATE OF BIRTH: 17th December 1994
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CAREER OBJECTIVE

As a Process/Operation engineer, desiring a career advancement in a leading organization having competitive environment; in order to assist in ensuring maximum workplace safety and quality production with cost effectiveness by utilizing extensive experience for optimizing production and operational challenges.

WORK EXPERIENCE

NATIONAL REFINERY LIMITED

July 2017 – Present

1) ASSISTANT SHIFT INCHARGE (NAPHTHA BLOCK)

MAY 2019 – Till Date

Upon successful completion of tenure as a DCS Engineer, promoted to Assistant Shift Incharge (Operation & Production) at Naphtha Block (Naphtha Hydrotreater & PENEX Isomerization Unit).

Operational Responsibilities:

- Routine inspection of plant and area investigation from process and maintenance point of view.
- Reporting to shift incharge for all the production and maintenance activities.
- Maintaining daily activities Log book and daily production reports.
- Responsible for the smooth operations of plant to meet daily production targets.
- Responsible for issuing work permits for maintenance.
- Responsible for notifying jobs to other departments.
- Review and update SOP's, PFD's and P&ID's.
- Implementation and follow up of HSE regulations.
- Ensuring the implementation of all KPI's in order to increase revenue.
- NC's reporting to management and follow up on closure.

SPECIAL ASSIGNMENT (APRIL 2018)

Regeneration of UOP R-56 (Platinum Rhenium) Catalyst of Heavy Naphtha Platformer Unit

- As a Process Engineer carried out efficiently the Regeneration activities which involved Carbon Burning, Proof Carbon Burning, Sulfate Removal, Catalyst loading / unloading, Oxidation, Reduction and Sulfiding of Catalyst.
- Resources planning and follow up of pre requisites for Regeneration activities.
- Carried out Loading and Unloading activities of R-56 Catalyst as well as Skimming of Naphtha Hydrobon Catalyst (S-120) with CR Asia team.
- Dumping and Screening activities of catalyst and fines.

2) DCS ENGINEER (PENEX ISOMERIZATION UNIT)

July 2017 – April 2019

- Controlled the process of **UOP PENEX Isomerization** unit as a **DCS Engineer** independently.
- As a focal person, ensured safe startup and shutdown of the unit and handled all the emergencies including power failure, steam failure etc.
- Calculation of Iso ratios on daily basis to optimize the unit in order to obtain maximum RON.
- Ensured and observed chemical reactions occurs at PENEX unit to maximize yield and minimizing the undesirable reactions.
- Periodic review of SOP's.

INTERNSHIPS

BYCO PETROLEUM LIMITED

(04 WEEKS) Jan, 2016

- Worked at Operations Department.
- Received detailed training of Naphtha Hydrotreater unit, Isomerization unit, Platformer unit and Crude Distillation Unit.

PAKISTAN REFINERY LIMITED

(04 WEEKS) June, 2015

- Worked at Oil Movement Department.
- Maintain quality by blending of products (such as gasoline) and additives in tank farm area.
- Management of fuel oil gantry operations.
- Supervise maintenance activity in tank farm area.
- Visited laboratory & closely observed different tests of hydrocarbons.

EDUCATION

MASTERS OF CHEMICAL ENGINEERING

In Progress

NED University of Engineering & Technology.

BACHELORS OF CHEMICAL ENGINEERING

2013 - 2016

NED University of Engineering & Technology.

(CGPA: 3.36 on a scale of 4.00)

INTERMEDIATE (Pre-Engineering)

2010 - 2012

DJ Sindh Govt. Science College, Karachi.

(Percentage: 81%-A-1 Grade)

MATRICULATION

2010

The Radiance School, Karachi.

(Percentage: 85%-A-1 Grade)

FINAL YEAR PROJECT

Designing of **SOLAR ABSORPTION CHILLING UNIT**, using Ammonia as a refrigerant. Evaluate all the process parameter by simulate it on Aspen Hysys and also compare the performance parameter of ammonia absorption chillers with other absorption and compression chillers.

TECHNICAL & PERSONALITY SKILLS

- Microsoft Office.
- Programming Software (Borland C++).
- ASPEN HYSYS.
- Polymath.
- Leadership Skills.
- Communication Skills.
- Strong Interpersonal Skills.

REFERENCE

Personal & professional references gladly furnished upon request.