



# MAZHAR ABBAS

## SUMMARY

Over 3 years of hands-on experience in managing Effluent Treatment Plant (ETP) operations in industrial settings. Proven expertise in wastewater treatment processes, compliance with environmental regulations, and maintaining optimal plant performance. Committed to environmental protection and continuous improvement in plant performance.

## PERSONAL INFORMATION

**Address:** Head Muhammad Wala,  
Langar Sarai, Tehsil & District  
Muzaffargarh

**Contact:** +923027345782

**E-mail:** mazharabbas7345@gmail.com

## HIGHLIGHTS

- Plant Operation & Supervision
- Safety & Hazard Management
- Strong decision maker
- Team Management & Training
- Inventory & Chemical Stock Management
- Grip on MS Office & ERP



## ACADEMIC BACKGROUND

**BSc (Chemical Engineering) – 2021,**  
NFC Institute of Engineering &  
Technology, Multan.

**Final Year Project:**

Production of diesel from Diesel Max  
Unit

**Intermediate Pre-Engineering – 2017,**  
Punjab Public Higher Secondary School,  
Muzaffargarh, BISE – DG Khan.

**Matriculation (Biology) – 2015,**  
Govt. High School, Langer Sarai,  
BISE – DG Khan.



## WORK EXPERIENCES

### 02/2025 - Continue Assistant Manager - Effluent Treatment Plant TAIGA APPAREL (Pvt) Ltd – LAHORE

- Understand and apply conventional and advanced treatment technologies (MBBR, ASP, Ultra Filtration) to solve complex water quality challenges while supervising the operations of the Biological Treatment Plant.
- To maintain effluent parameters accordingly SEPA/NEQS/INDITEX/ZDHC foundational effluent limits.
- To Monitor the operational indicators at the plant and make adjustments as necessary and maintain operational parameters manual testing Temperature, pH, Sludge Volume, settleable solids.
- Supervise treatment processes including primary, secondary, and tertiary treatment.
- Schedule routine maintenance and servicing of pumps, blowers, valves, tanks, and other equipment.
- Coordinate with lab personnel for regular testing of influent and effluent samples.
- Maintain water testing documentation log books as well as water balancing data.
- Supervise and train ETP operators and support staff.
- Allocate duties and ensure proper shift handovers & promote safety and environmental awareness.
- Identify and implement process improvements for energy efficiency and cost reduction.
- Keep plant equipment records that document for compliance internal and external audit.

### 10/2024 - 02/2025 Assistant Manager - Effluent Treatment Plant AMBITION APPAREL – LAHORE

- Operations & Maintenance of ETP (45 m3/hr.).
- Installation of Lamella tank (45 m3/hr.).
- Troubleshoots operational issues and implements corrective actions
- Regulatory Compliance.
- Management rule to team leading & managing projects and coordinating plant.
- Activities to improve operational efficiency.
- Maintaining the parameters according to ZDHC.
- Conducted training sessions of ETP plant as per Compliance (ZDHC, Higg FEM).
- To Perform the testing via equipment of pollutant load COD, BOD, pH, MLSS & MLVSS.

## CERTIFICATIONS

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**International Labor Organization (WWF) – 2024,**  
Training on Effluent Treatment Plant (ETP) Operations in Textile & Leather Industry.

## HOBBIES

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## WORK EXPERIENCES

### **11/2023 - 10/2024    ETP In-charge AMBITION APPAREL – LAHORE**

- Working on Sustainable Environment.
- OPEX sheet management.
- Scheduled and executed preventive and corrective maintenance of pumps, blowers, mixers, and dosing systems.
- Managed inventory of treatment chemicals and spare parts, ensuring uninterrupted plant operation.
- Maintain water testing documentation log books.
- To have a look upon safety protocols during the erection phase.
- Ensuring the Erection phase of Wastewater Treatment plant work.

### **12/2021 - 10/2023    Service Engineer – Effluent Treatment Plant WAETZ ASIA – LAHORE**

- Conduct routine maintenance and servicing of pumps, blowers, valves, dosing systems, sensors, and control panels.
- Visit client sites for scheduled maintenance and emergency breakdowns.
- Maintain service reports, maintenance logs, and client feedback.
- Submit timely reports on site visits, equipment condition, and action taken.
- Provide technical assistance, training, and operational guidance to plant operators and staff.

### **09/2021 - 11/2021    Internship – Effluent Treatment Plant AZ Apparel – FAISALABAD**

- Learn and support day-to-day operations of the Effluent Treatment Plant, including chemical, physical, and biological treatment processes.
- Maintain accurate logbooks and assist in generating daily/weekly reports.
- Learn SOPs, safety protocols (HSE), and proper chemical handling practices.