

SUMMARY OF SKILLS

Highly motivated individual driven by achieving results	Proficient with MS Word, Excel, Powerpoint	Excellent leadership skills
Environment Management System	Excellent report writing and presentation skills	Environment policy & awareness
Project Management and Planning	Environment, Health and Safety	Environment & Sustainability compliance

ACADEMIC QUALIFICATIONS

Masters in Engineering

2017 – 2018

Major in Environmental Engineering & Sustainability

Thesis: Investigation of techniques for enhanced production, recovery and measurement of Volatile Fatty Acids (VFAs) from municipal wastewater treatment systems

University of Guelph, Guelph, Ontario- Canada

Bachelors of Science in Chemical Engineering

2008- 2012

Major in Environmental Engineering & Gas Engineering

University of Engineering & Technology, Lahore- Pakistan

CERTIFICATIONS

Member of Ontario Society of Professional Engineers (OSPE)	2017
Engineer-in Training (EIT), Professional Engineers Ontario (PEO)	2019
Registered Engineer, Pakistan Engineering Council	2012

PROFESSIONAL EXPERIENCE

University of Guelph

Graduate Teaching Assistant (GTA)

2017 – 2018

Heat & Mass Transfer Course and research

Environmental Manager

February 2016- January 2017

Al Ghanim Internationals, Doha, Qatar.

- Prepared Construction Environmental Management Plans (CEMP) and Sustainability Plan of the project.
- Prepared Environmental Management Policy and Environmental Sustainability Policy of company. Coordinated with relevant authorities to acquire ISO14001 certification of companies involved in the project.
- Prepared Environment Permit Applications (EPA) for dewatering activities. Presented dewatering system selected for the project to client and coordinated with dewatering team on site. Carried out dewatering water quality sampling and coordinate with laboratory for chemical testing and preparing monthly dewatering report.
- Prepared EPA to acquire environment permits for laydown area, site office, screening and crushing, chemical storage area and fuel storage area.
- Carried out environmental daily and weekly inspections on site. Closed out environmental related issue pointed out during client inspections, Non-compliance Reports (NCRs), near misses, prepared Key Performance Indicators (KPIs) of project.
- Prepared Monthly Environmental and Sustainability Statistics Report for the client.
- Carried out inductions/ workshops/toolbox talks with site engineers, technicians and labor involved in project regarding environmental protection, mitigation and remedial measures against environment impacts, emergency spills and site safety.

Local Roads & Drainage Projects (General Consultancy Engineering GEC- Design Team):

Supervision of Operation & Maintenance of Doha South Sewage Treatment Plant (STP) & Industrial Area Sewage Treatment Works:

- Coordinated with Operation and Maintenance (O&M) contractor related to day-to-day operations. Prepared Monthly reports of both treatment plants. Reviewed O&M contractor's daily reports and weekly reports. Coordinated with O&M contractor for trouble shooting in treatment process Coordinate with client regarding contractor's concerns on operation of both plants.
- Manage influent wastewater flow from different pumping station and coordinate with client (PWA) for possible Treated Sewage Effluent (TSE) consumption.
- Operations of biochemical reactors (Activated Sludge Process and Sequencing Batch Reactors) on site.
- Facilitate the contractors for construction of on site deep well injections for TSE discharge.
- Evaluate the process modifications for required effluent quality of TSE.
- Manage the operations of Sludge treatment facility and coordinate with clients for sludge disposal.
- Prepare shutdown and maintenance schedules for different sections of treatment facility.
- Coordinated with Construction Contractor for upgrades at Doha South STP.
- Final inspections and test running of different wastewater pumping stations designed by Parsons Team prior to client handover. General testing included running pumps, odor control unit and mechanical screens.

Design & Construction of Sewage Water Treatment Plant at Fish Market Area, Abu Hamour Doha Qatar:

- Carried out detailed survey of flow rates and influent wastewater quality of fish market area.
- Geo-environment and geotechnical survey of project site.
- Design review of Process Design Calculations of Treatment facility.
- Design review of Process & Instrumentation Diagrams (P&ID's) of Facility.
- Review different equipment's material submittals

Local Roads & Drainage Projects (General Consultancy Engineering GEC- Construction Team):

- Coordinated with Client (Public Works Authority- PWA) and Construction Contractors regarding environment related issue for different GEC construction projects.
- Prepared and reviewed Construction Environment Management Plan (CEMP) for various projects, Environment Permit Application for miscellaneous construction activities such as Site Office, lay down area, Dewatering permits, screening and crushing permits etc. and facilitate contractor to acquire these permits.
- Coordinated with Clients and contractors regarding renewal of environment related permits for various construction projects. Raised Environmental Non Compliances Reports (NCRs) and incident reports for various construction projects.
- Finalized Construction contractor's Monthly Environment and Sustainability Statistics Reports for various construction projects. Carried out Environment Management System (EMS) audits of construction projects.

Local Roads & Drainage Projects (General Consultancy Engineering GEC- Design Team):

- Worked on Environment Permit Application, Geo-Environmental Site Investigations Reports, Environmental Impact Assessment (EIA) Scope of Work reports and EIA reports of various General Engineering Consultancy (GEC) projects.
- Coordinated with Geo-Technical team for Geo-Environmental Scope of Work. Carried out site surveys for Geo Environment Site investigation for various projects. Coordinated with Contractors for Geo-Technical & Geo-Environmental Scope of Work, i.e. Boreholes test for Soil sampling and ground water sampling, Trial Pits for soil sampling, Pavement cores for penetration tests at various project sites.
- Coordinated with Contractors for Air Quality Monitoring & Noise monitoring Surveys at various project sites. Assisted in Carrying out Air Dispersion Modelling by using BREEZE AERMOD for various projects.