

# Shift Operator

## Job Opportunity

Company / Unit:	Veolia LLC
Site / Country:	Khazzan / Oman
Type of contract / Duration:	Permanent / 1 year (Extension to 5 Years)
New job / Replacement:	New Job
Reporting line:	O&M Engineer
Package:	Based on profile and experience

## Context

Providing water, energy and waste management solutions since 160 years Veolia offers public authorities and industries with a range of water, energy and waste management services vital to human development and sustainable growth in 48 countries around the world. Veolia continue to adapt and innovate in step with economic growth and human development by designing and implementing solutions that will have a positive impact on the environment and resources. Its goal is to build a better 21st century.

In the Middle East, Veolia works with industries, governments and communities, retail and commercial businesses, to deliver innovation and sustainable solutions that are needed today, with the vision required for tomorrow. Through public-private partnerships and innovative contractual schemes, Veolia is committed to achieving quantifiable results with sustainable, pragmatic environmental solutions.

Recently, Veolia LLC (Oman Branch of Veolia group) has been awarded by British Petroleum to design, build and operate a desalination (brackish) water plant. This water treatment facility will supply sufficient water for the development of a tight gas field involving hydraulic fracturing and stimulation of the production wells in the block 61. The business objective for BP of the Khazzan Project is to then develop and operate a 29.8 million Sm<sup>3</sup>/d (1,050MMscfd) tight gas development in Block 61.

Veolia will be proactive to ensure that the required quantity and quality of process and potable water are delivered from the plant. The philosophy adopted for the operation of the reverse osmosis desalination plant is based upon Veolia's worldwide experience of utilities operations and asset management.

### Key figures:

- More than 4,000 employees
- A strong local network with 10 offices across the region
- 30 years of sustainable partnerships
- More than 6,000 references

## Position Summary

The Shift Operator operates Khazzan Desalination Plant utilizing the SCADA (Supervisory Control And Data Acquisition) system, to performs plant operations activities and conduct minor maintenance activities as per the Quality Management system, O&M manuals and terms of the O&M contract (quantity and quality of water production, occupational health and safety and environmental best practices.),

The Shift Operator follows HSSE rules and standards.

The Shift Operator is responsible for all daily plant operations activities including unloading of chemical during deliveries and routine chemical preparations. These duties are routine and performed within established guidelines. Most work, under the supervision of the O&M Engineer, is to operate, check, monitor and maintain plant equipment which includes pumps, filters, RO systems and online instruments. The tasks also include cleaning of working area, collecting of water samples and perform basic water analysis for the laboratory, performing standard calibration and regular plant round. The operator does not make adjustments or changes to Plant Operating Parameters unless directed to do so by the O&M Engineer. Employee will be required to work on a shift / rotating work schedule.

## Technical Skills & Experience

### Experience and/or qualification

- Technical Graduate / High School graduate (minimum),
- Understand and follow English oral and written instructions accurately,
- Local Driving license.

### Knowledge & Skills

- Reverse Osmosis water treatment plant operation practices and procedures,
- Understand and follow oral and written instructions accurately,
- Maintain cooperative working relationships, demonstrate sensitivity and respect for a diverse population,
- Perform general inspection and cleaning duties; collect accurate readings; perform physical labor,
- Understand and determine causes of malfunctions in the process,
- Operate safely basic hand and power tools,
- Practice work safety including confined space entry, flagging, and hazardous chemical handling, Safe practices and procedures, standards and conduct and work performance,
- SCADA utilization, Automated Processes,
- Water treatment, desalination/RO,
- Basic laboratory analyses (Temperature, conductivity, pH, alkalinity, residual chlorine, TDS, etc.),
- Mechanical and electrical equipment, water quality monitoring instruments,
- Chemicals handling, utilization and safety,
- Occupational Health and Safety, Basic First Aid,
- Safety procedures, water sampling, inspection procedures, basic knowledge of water treatment, mechanical, electrical and instrumentation systems.

## Key Responsibilities

- Operate Khazzan Desalination Plant utilizing the SCADA system to ensure that it is performing in accordance with the contract: daily quantity and quality of the product,
- Operate Khazzan Desalination Plant according to Safety Management work instruction and procedures,
- Operate Khazzan Desalination Plant according to the O&M (Operation and Maintenance) manual,
- Collects and keeps accurate records of the plant operations and tests results,
- Log all events (filter backwashes, train start-ups and shutdown, plant tripping, power failures, process changes...etc) and ensure data accuracy,
- Report major breakdown to his supervisor immediately,
- Report alarms, abnormalities and breakdown during the shift to his supervisor,
- Ensures that water level is sufficient based on forecasted water demands,
- Monitor chemical dosage rate and keep flow rate at desired set points,
- Performs daily routine duties such as equipment and instrumentation visual inspection, fills the routine check list, cleaning of the plant equipment and instruments if required,
- Regular and routine monitoring of running and rotating equipment for abnormalities such as sound, temperature, leaks and oil levels,
- Performs unloading, loading and preparation of chemicals such as caustic soda, sulfuric acid, sodium hypochlorite, sodium metabisulfite, sodium fluoride, antiscalant, carbon dioxide and other as required by the process. Proper wearing of Personal Protective Equipment should be followed,
- Coordinate with control room operator during start-up, shutdown or testing of any equipment or system,
- Check and inspect locally the status of the equipment or system to be started from the control room,
- Monitor chemical level and check for leakages in chemical storage tanks, pipes and dosing pumps,
- Report any operational and maintenance problem to his superior immediately,
- Performs daily routine activities such as hosing, washing or scrubbing of channels, floors, walls, pumps, vessels and all related piping, valves and equipment (mechanical and instrumentation),
- Maintains operations log to record daily flow, reads flow meters, records readings, records amount of chemicals used and chlorine residual. Maintains chlorination system as needed,
- Performs Desalination Plant buildings grounds cleaning and maintenance,
- Performs routine inspection, calibration, maintenance, troubleshooting, and cleaning of online instruments/equipment such as chlorine residual analyzers, SDI analyzers, turbidimeters, pH meters, conductivity meters and other related equipment,
- Performs other duties as required by the O&M Engineer,
- Performs duties in safe manner in accordance with established safety procedures,
- Ensure the adherence to Company policies and procedures at all times,
- Respect and adhere to any specific request from Management,
- Responsible for excellent housekeeping at all times,
- Perform any reasonable duty/instruction from Management,
- Involvement In the QSHE system,
- Report QHSE risks and impacts associated with its activities,
- Understand, adhere and apply QSE policies , rules and procedures at all time,

## Key Performance Indicators

- Good cooperation with the other departments and other staff,
- Ensures accuracy of the daily routine inspection records,
- Follow up all safety procedures,
- Absenteeism / Punctuality,
- Daily quantity and quality of produced water,
- Process chemical consumption,
- Daily routine checks and reports accuracy,
- Critical incident report correctness,
- Keeping the Khazzan Desalination Plant clean,
- No Safety violation.

## Personal Attributes

- Learning Aptitude and communication skills,
- Maximum flexibility due to the nature of work,
- Business ethics, punctuality, honesty.

### Contact:

Please send your CV and cover letter to  
[mea.hrs.recruit.mailbox@veolia.com](mailto:mea.hrs.recruit.mailbox@veolia.com)

### Reference:

(Emails without reference in  
subject won't be considered)

Reference VBPK / Shift Operator