

JEYAKRISHNAN

MECHANICAL ENGINEER

✉ Krish.jey1105@gmail.com

☎ +971 561568674

📍 Abu Dhabi, United Arab Emirates



CAREER OBJECTIVE

Focused and forward-thinking professional with experience and proven knowledge of operation and maintenance of sewage water treatment plant system and sewage pipeline network. Aiming to leverage my skills to successfully fill the suitable role at your company.

PROFILE SUMMARY

Highly analytical, performance-driven mechanical engineering professional with 3.5+ years of experience of sewage water treatment plant operation and maintenance works and a team leader with effective communication and presentation skills.

Expertise in troubleshooting, operation and maintenance of sewage water treatment plant, sewage pipeline maintenance, repair and maintenance activities of pumps, valves, compressor, aerator, blower, diffuser and screening equipment etc.

WORK EXPERIENCE

Organization : Envirotech Services Property and Facilities Management

Project : Sewage Water Treatment Plant

Duration : 12-02-2018 to 16-10-2021

Designation : Operation and Maintenance Technician

Reporting to : Treatment Plant Engineer

Roles and Responsibilities

- Supervising and motivating the operation, maintenance and network team to ensure jobs are effectively carried out within the set period
- Monitoring day to day plant operation of preliminary screening, secondary treatment and return activated sludge and wasting quantity and quantity of chemical used for disinfection in effluent
- Daily check the final effluent quality based on limits of RSB regulation and send report to client and engineer
- Inspection of preventive, breakdown maintenance and overhauling of treatment plant & pumping station equipment
- Preparing and maintaining record of preventive and breakdown maintenance of treatment plant and sewer line network

- Monitoring day to day progress of maintenance activities & process of the treatment plant. Attending to routine man management and administrative functions within the department
- Inspect the pipeline for detect and repair leakage. Repair leaks in the pipelines using following methods which are MCU wrap, Fiberglass wrap, External repair pipe clamp and External repair welding and replace leaked gaskets
- Repair and testing various pumps like centrifugal, submersible, progress cavity pumps and valves like gate valves, butterfly valves, safety relief valves and pressure release valves, telescopic valves and non return valves and blower, diffuser, compressor, aerator and etc
- Perform disassembly, cleaning, inspection, measuring, reassembly and testing of valves and Travel to job sites and adhere to all site safety and performance requirements
- Inspect machinery and maintain surveillance on operating conditions, gauges and meters to ensure continued efficient operations as well as detect malfunctions on water treatment plant
- Record and track plant and equipment operational data, including readings of flow meter, level transmitter, pressure gauge and DO levels
- Maintaining equipment's history sheets and Cost minimization in maintenance by technical skills and continuous monitoring
- Verification of monthly flow details, energy & chemical consumption, monthly activities, spare parts history, treated water quality, monthly expenses


ACADEMIC QUALIFICATION

- Course Details : BE – Mechanical Engineering
- Organization : Mahath Amma Institute of Engineering and Technology
(Affiliated to Anna University, Chennai)
Tamilnadu, India
- Course Completed on April 2017 with First Class (6.93 cgpa out of 10)

ACADEMIC PROJECT

- **Project Name** : “Study of Thermal Properties for Tungsten Alloy Material for Super Heater In High Pressure Temperature Boilers”
- **Organization** : Bharath Heavy Electricals Limited (A government of India undertaking)
Trichy, India

LANGUAGES KNOWN

- English  Fluent
- Tamil  Native
- Malayalam  Professional
- Hindi  Working Level

TECHNICAL & SOFT SKILLS

- AutoCAD
- Microsoft Office
- Creo / Pro-E
- Solidworks
- Problem Solving and Troubleshooting
- Math skills
- Creativity
- Time Management
- Communication and Presentation skills
- Leadership and Team work

PERSONAL DETAILS

- **Father Name** : Muthaiah
- **Birth Date** : 20-04-1996
- **Nationality** : Indian
- **Marital Detail** : Single
- **Passport No** : R1494431
- **Issue Date** : 06-07-2017
- **Expiry Date** : 05-07-2027
- **Visa Status** : Visit Visa

I solemnly declare that all the information furnished in this document is free of errors to the best of my knowledge.

Signature
(Jeyakrishnan)