



MOHAWK COUNCIL OF KAHNAWÀ:KE

HUMAN RESOURCES UNIT

RONWATIIO'TÉNHSE RAOTIRIHWÁ'SHÓN:'A RONTERIHWATSTERÍSTHA'

| Core Job Information | |
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| Job Title: | Sewage Plant Operator/Maintenance Worker |
| Division: | Sewage Treatment Plant, Public Works |
| Reports To: | Supervisor, Infrastructure Operations, and Maintenance |
| Date of Job Description | January 2025 |
| Purpose | |
| Infrastructure Operations and Maintenance, and the Assistant Supervisor will operate and maintain Kahnawà:ke's Sewage Treatment Plant and main Lift Stations. | |
| Roles & Responsibilities | |
| <p>To operate and maintain the sewage treatment plant and the main Lift Station.</p> <ul style="list-style-type: none"> • Reads magnetic flow meter. • Checks polymer and alum meters and attenuating pumps. • Checks oil levels in compressor(s), air blower, polymer pumps, alum pumps, flocculation mixers, top and bottom scraper gearboxes. • Checks the consistency of sewage in flocculates to evaluate the application of chemical coagulants. • Arranges for the removal of sludge bins when full. • Examines the clarity of effluent to evaluate overall process effectiveness. • Inspect all motor and pump gearboxes for unusual noises, overheating, or vibration. • Checks pressure readings on recirculated water pumps. • Checks pressure gauge on internal booster pump. • Checks sludge extraction and re-circulation pumps for flow restrictions, monitoring of sludge density by sampling from sludge tanks. • Monitors chemical consumption to ensure timely restocking. • Ensures effective and safe functioning of Kahnawake's Sewage Treatment Plant and main Lift Stations. | |
| <p>To perform laboratory tests.</p> <ul style="list-style-type: none"> • Draws extracted material from both SIGMA Samplers to test COD (Chemical Oxygen Demand). • Tests phosphorus, ammonia, PH, and TSS levels through hatch analyzer and filter methods. • Compares results to standards required under guidelines. • Determines the moisture content of sludge cakes by the incubation method. • Monitors Computer data on all operating equipment, i.e., torque readings on top and bottom scrapers in both clarifiers, feed rates on alum and polymer tanks, suction, and discharge pressures on feed pumps. • Monitors data on all room ventilators and system's overall performance. • Evaluates readings to determine if changes are required to pump chemical dosage settings. • Records daily electrical consumption. | |



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To perform janitorial duties.

Monthly:

- Clears debris from shafts of both flocculate mixers.
- Cleans laminar plates, flushes calcified material from chemical feed lines, alternates online alum pump(s) and service water pumps.
- Cleans the tops of the scum tank and scraper.
- Check all attaching bolts.
- Cleans the grit removal auger.

Weekly:

- Washes all windows, clean bug screens, wash plant floors, clean lavatory, clean lab and office counters and furniture.
- Cleans entry and exit halls.
- In season – cleans grounds, cuts grass, keeps walkway doors clear of snow.

To maintain Lift Station #1.

- Does daily inspection of the 4 main pumps.
- Checks temperature of motor and gearboxes for signs of overheating, vibration, and unusual noises.
- Checks gearbox oil levels and bearing lubrication pressures.
- Checks and cleans impellers, as necessary.
- Cleans floors of debris and sets out for pickup to the disposal site.

The statements herein reflect general details to describe the principal functions of this job and should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties or be assigned projects associated with these responsibilities as directed by their immediate supervisor.

Education & Experience

- DEC in Water Treatment Plant Operation, plus one (1) year of relevant experience.
- OR
- High School Diploma, plus three (3) years of relevant experience.
- OR
- Completion of the Water Plant Operator Training Program is an asset.

Knowledge, Skills, Abilities

- Good knowledge of mathematics to interpret the meaning of numerous gauge readings.
- Good knowledge of chemical compounds to calculate & understand chemical requirements and adjustments.
- Basic knowledge of mechanics to service diesels, blowers, compressors, and sump pumps.
- Good understanding of Kahnawà:ke's water and sewage treatment system and plant facilities.
- Skills in technical report writing, technical manual reading.
- The ability to work effectively under a minimum amount of supervision is a definite requirement.



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- Conducts business with internal and external clients in a tactful, discreet, and courteous manner.
- Maintains confidentiality.
- Adhere to the MCK Administration Manual-Personnel Policy and Kanien'kéha Language initiatives.
- Ability to communicate in the Kanien'kéha and French languages is an asset.
- The willingness to learn the Kanien'kéha language.

Working Environment

- Five-day work week in an office environment.
- Moderate stress due to workload.
- Occasional overtime.

Commitment Statement

I serve the Kahnawà:ke community with its best interest in mind by supporting and encouraging creative, critical, and resourceful thinking, accepting and nurturing innovative ideas and approaches, and demonstrating my dedication and integrity through my efforts, actions, and words. I am part of a team that is empowered to take initiative in an interactive working environment.

Signatures

Employee's Signature:

Date: _____

Supervisor's Signature:

Date: _____