



CHEMICAL TECHNICIAN

CITY OF NORFOLK

DEFINITION

Under the direction of the Wastewater Plant Superintendent, this position runs tests on the Wastewater Treatment Plant operations; conducts sampling activities.

ESSENTIAL JOB FUNCTIONS

- Perform required tests stipulated on Discharge Permit;
- Perform operation control tests;
- Collect process samples, maintains lab equipment and inventory;
- Read industry raw water meters;
- Review test results and computer calculations and makes control changes to activated sludge process and SBR process;
- Perform routine cleaning of equipment and work area;
- Perform NH₃ and TKN tests on Industries and plant influent and effluent;
- Perform random testing of overland septic waste samples;
- Perform e-coli tests on effluent City's effluent as well as other towns during the summer testing periods;
- Perform monthly testing for several local towns;
- Run EPA DMRQA testing once a year for quality control;
- Perform other duties as required

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of & Ability to:

- Thorough knowledge of workings of the Wastewater Plant;
- Ability to perform and read tests as needed;
- Must be able to use DO meters, microscope, pipets, spectrophotometer, COD meter, water baths, pH meters, centrifuge, and other related equipment

TRAINING, EDUCATION, EXPERIENCE AND QUALIFICATIONS

High school diploma required; Associate's Degree preferred, or an equivalent combination of relevant education, training, or experience that demonstrates the necessary knowledge, skills, and abilities to perform the duties of the position. Must be able to obtain a grade 2 Wastewater Certification.

PHYSICAL REQUIREMENTS

Key: N= Never O = Occasionally F = Frequently A= Always

	N	O	F	A
LIFTING			X	

TRANSPORTING		X	X	
PUSHING		X		
PULLING		X		
CLIMBING		X		
BALANCING		X		
STOOPING		X		
KNEELING		X		
CROUCHING		X		
REACHING		X		
HANDLING				X
FINGERING			X	
FEELING		X		
TALKING		X		
HEARING			X	
NEAR ACUITY			X	
FAR ACUITY		X		
DEPTH PERCEPTION				X
COLOR VISION				X
FIELD OF VISION				X
TASTING/SMELLING		X		

ENVIRONMENTAL CONDITIONS

	N	O	F	A
EXPOSURE TO WEATHER				X
EXTREME COLD		X		
EXTREME HEAT		X		
WET AND/OR HUMID		X		
NOISE INTENSITY LEVEL		X		
VIBRATION	X		X	
ATMOSPHERIC CONDITIONS				X
MOVING MECHANICAL PARTS		X		
ELECTRIC SHOCK			X	
HIGH EXPOSED PLACES		X		
RADIATION	X			
EXPLOSIVES		X		
TOXIC/CAUSTIC CHEMICALS				X

POSITION:

Standing 75% Walking 20% Sitting 5% Hand-arm 50% Foot-leg 50%

STRENGTH LEVEL: 50 to 90 pounds