



**NON-BARGAINING UNIT JOB POSTING**  
**Post: External**

DIVISION: <b>Strategic Planning &amp; Development</b>		DEPARTMENT: <b>Environmental Services Lab</b>
MAXIMUM OPENINGS: <b>1</b>	CLASSIFICATION: <b>Chemist 1</b>	MARKET RATE: <b>Engineering &amp; Scientific, Grade 1</b>
<b>GENERAL SUMMARY OF DUTIES:</b>	Responsible for a variety of laboratory duties including sampling, washing glassware, making reagents, running analyses for drinking water, wastewater, surface water, and other samples using approved EPA and Standard Methods. This position works independently under the general direction of a supervisor.	
<b>ESSENTIAL FUNCTIONS:</b>	Performs proper sampling for all environmental samples following approved methods with proper documentation. Receives samples into the laboratory with proper documentation and processing. Performs wet method sample analysis with all the appropriate quality assurance and quality control parameters, including real-time charting. Analysis includes pH, titrations, conductivity, ISE, gravimetric, spectrophotometric, and microbiology. Perform scheduled cleaning, maintenance and schedule service visits by vendor. Trouble-shoot instrumentation and keep a completed bench log with proper and complete documentation. Performs mathematical calculations for quality control analysis, problem solving, reagent preparation and sample dilution. Performs reagent and chemical preparations utilizing good laboratory practice skills. Performs gas room, DI water readings, balance calibrations and cleaning, and eye wash and safety shower cleaning and checking. Washes and prepares glassware and plasticware for sample collection and analysis. Cleans and restocks workstations; maintains inventory. Uses standard office software, e.g. Microsoft Office, and LIMS software. Supports all organizational initiatives as needed. Required to follow BWL Safety Manual and wear required personal protective equipment. Attends all training for safety awareness as required by supervisor, BWL or governmental agency such as MIOSHA.	
<b>JOB SPECIFICATIONS:</b> <ul style="list-style-type: none"> <li>▪ KNOWLEDGE</li> <li>▪ SKILLS</li> <li>▪ ABILITIES</li> </ul>	<p><b>Required:</b> Valid Michigan driver's license with acceptable driving record; associate's degree in chemistry, chemical processes, microbiology or in a related science field with at least 2-3 years of practical experience in the related field: must obtain F-4 license from the State of Michigan within two years of hire.</p> <p><b>Preferred:</b> Bachelor's degree in chemistry, chemical processes, microbiology or a related science field; 1-3 years of practical experience in that field; F-4 license from the State of Michigan.</p>	
<b>WORKING CONDITIONS/PHYSICAL REQUIREMENTS:</b>	Spacious, clean, environmental laboratory with many sophisticated instruments. Will participate in on-call rotation and work various work shifts. Occasional exposure to the elements when collecting samples outdoors. Occasional exposure to power plant and water plant conditions when sampling. Possible exposure to coal dust, lime dust, and asbestos. Light lifting and excessive standing during an 8 hour shift. Considerable stair climbing, carrying 20 lbs. up a flight of stairs. Maximum lifting up to 50 lbs.	