JOB TITLE: **Check only one:**

- ☐ Water/Wastewater Operator In Training (OIT)
- ☐ Water/Wastewater Operator 1 (Certification Level 1)
- ☐ Water/Wastewater Operator 2 (Certification Level 2)

AND/OR

Check as required:

- ☐ Water Distribution Operator 3 (Certification Level 3)
- ☐ Water Treatment Operator 3 (Certification Level 3)
- ☐ Wastewater Collection Operator 3 (Certification Level 3)
- ☐ Wastewater Treatment Operator 3 (Certification Level 3)

AND/OR

Check as required:

- ☐ Wastewater Collection Operator 4 (Certification Level 4)
- ☐ Wastewater Treatment Operator 4 (Certification Level 4)
- ☐ Water Distribution Operator 4 (Certification Level 4)
- ☐ Water Treatment Operator 4 (Certification Level 4)

FLSA STATUS: Non-Exempt

GENERAL PURPOSE:

Performs the operation and maintenance of community drinking water treatment, distribution, and storage systems, and wastewater collection and treatment system through:

1. In training- assists with the operation and maintenance of water and wastewater systems. Advances in training and experience as obligated by agreement.
2. Comprehension- recognize, remember, and identify the concept.
3. Application- interpret, calculate, predict, use, and apply information and solve problems,
4. Analysis- compare, contrast, diagnose, examine, analyze, relate, and apply concepts.

MINIMUM REQUIRED and NECESSARY QUALIFICATIONS:

1. EDUCATION: High School Diploma, or GED or Post-Secondary Education in Chemistry, or Biology.

2. LICENSE/CERTIFICATION: Valid state driver's license and a commercial driver's license (CDL) A with Hazmat Endorsement

   For OITs: Within 1 year of employment gain a CDL A with Hazmat Endorsement. Within three years of employment achieve level 1 Arizona Department of Environmental Quality (ADEQ) certification, or equal, as Water Operator (treatment and distribution) and Wastewater Operator (collection and treatment).

   For Level 1 operators: one year of experience in water treatment or water distribution or wastewater collection or wastewater treatment and level 1 ADEQ certification, or equal, as Water Operator (treatment and distribution) and Wastewater Operator (collection and treatment) and within three years from beginning this job title achieve level 2 ADEQ certification, or equal, for Water Operator (treatment and distribution) and Wastewater Operator (collection and treatment).

   For Level 2 operators: two years' experience in water treatment or water distribution or wastewater collection or wastewater treatment and level 2 ADEQ certification, or equal, for Water Operator (treatment and distribution) and Wastewater Operator (collection and treatment.

   For Level 3 operators: three years' experience in operation of the category(ies) of facility(ies) identified in the job title(s), and within one year from beginning the job title(s), achieve and maintain level 3 ADEQ certification, or equal of the category(ies) of facility(ies) identified in the job title(s).

   For Level 4 operators: four years' experience in operation of the category(ies) of facility(ies) identified in the job title(s), and within one year from beginning the job title(s), achieve and maintain level 4 ADEQ certification, or equal of the category(ies) of facility(ies) identified in the job title(s).

JOB DUTIES AND RESPONSIBILITIES (check boxes as required by job title):

Water Treatment ☒ ☐ ☐ ☐ ☐

Monitor, Evaluate, and Adjust Treatment Processes	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Chemical Addition					
Chemical pretreatment	In Training	Comprehension	Comprehension	Application	Analysis
Chlorine dioxide disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Chlorine gas disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Corrosion control	In Training	Comprehension	Comprehension	Application	Analysis
Fluoridation	In Training	Comprehension	Analysis	Analysis	Analysis
Ozone disinfection	In Training	Comprehension	Comprehension	Application	Application
pH adjustment	In Training	Application	Application	Analysis	Analysis
Sodium hypochlorite disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Ultraviolet disinfection	In Training	Comprehension	Comprehension	Application	Application
Coagulation and Flocculation					
Chemical coagulants	In Training	Comprehension	Application	Application	Analysis
Flocculation tanks	In Training	Comprehension	Application	Application	Analysis

Rapid mix units	In Training	Comprehension	Application	Application	Analysis
Clarification and Sedimentation					
Dissolved air flotation	In Training	Comprehension	Application	Application	Analysis
Inclined-plate sedimentation	In Training	Comprehension	Application	Application	Analysis
Sedimentation basins	In Training	Comprehension	Application	Application	Analysis
Tube sedimentation	In Training	Comprehension	Application	Application	Analysis
Up-flow solids-contact clarification	In Training	Comprehension	Application	Application	Analysis
Filtration					
Cartridge filters	In Training	Application	Application	Application	Application
Diatomaceous earth filters	In Training	Comprehension	Comprehension	Comprehension	Application
Direct filtration	In Training	Comprehension	Application	Application	Analysis
Gravity filtration	In Training	Comprehension	Application	Application	Analysis
Membranes (ultrafiltration, nanofiltration, reverse osmosis)	In Training	Application	Application	Application	Application
Microscreens	In Training	Comprehension	Comprehension	Application	Analysis
Pressure or greensand filtration	In Training	Application	Application	Application	Application
Slow sand filters	In Training	Comprehension	Application	Application	Analysis
Residuals Disposal					
Discharge to lagoons	N/A	N/A	N/A	Comprehension	Comprehension
Discharge to lagoons and then raw water source	N/A	N/A	N/A	Comprehension	Comprehension
Discharge to raw water	N/A	N/A	N/A	Application	Analysis
Disposal to sanitary sewer	N/A	N/A	N/A	Comprehension	Comprehension
Land application	N/A	N/A	N/A	Comprehension	Comprehension
Mechanical dewatering	N/A	N/A	N/A	Application	Analysis
On-site disposal	N/A	N/A	N/A	Comprehension	Comprehension
Residuals Disposal Continued					
Solids composting	N/A	N/A	N/A	Comprehension	Comprehension
Additional Treatment Tasks					
Aeration	In Training	Comprehension	Application	Application	Analysis
Backwash aids	In Training	Comprehension	Application	Application	Analysis
Coagulation aids	In Training	Comprehension	Application	Application	Analysis
Copper sulfate treatment	In Training	Application	Application	Application	Application
Electrodialysis	In Training	Comprehension	Comprehension	Comprehension	Application
Filter aids	In Training	Comprehension	Application	Application	Analysis
Ion-exchange/softening	In Training	Application	Application	Application	Application
Iron manganese/softening	In Training	Application	Application	Application	Application
Lime-soda ash softening	In Training	Comprehension	Comprehension	Application	Analysis
Packed tower aeration	In Training	Comprehension	Comprehension	Comprehension	Comprehension

Powdered activated carbon	In Training	Application	Application	Application	Application

Laboratory Analysis	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Algae identification	In Training	Comprehension	Comprehension	Application	Application
Asbestos	In Training	Comprehension	Comprehension	Application	Application
Biological	In Training	Application	Application	Application	Application
Chemical	In Training	Comprehension	Application	Application	Application
Chlorine	In Training	Analysis	Analysis	Analysis	Analysis
Coliform bacteria	In Training	Application	Application	Application	Analysis
Complete chain-of-custody	In Training	Comprehension	Application	Application	Analysis
Corrosivity	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Disinfectant by-products (THM/HAA)	In Training	Comprehension	Comprehension	Application	Analysis
Dissolved oxygen	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Hexavalent chromium	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Inorganic minerals	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Jar test	In Training	Comprehension	Comprehension	Application	Analysis
Langelier Index	In Training	Comprehension	Analysis	Analysis	Analysis
Metals	In Training	Application	Application	Application	Application
Organics	In Training	Comprehension	Comprehension	Analysis	Analysis
pH	In Training	Application	Application	Analysis	Analysis
Physical parameters	In Training	Analysis	Analysis	Analysis	Analysis
Radiological parameters	In Training	Analysis	Analysis	Analysis	Analysis
Saturation Index	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Solids	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Streaming current analysis	In Training	Comprehension	Comprehension	Comprehension	Comprehension

Comply with Drinking Water Regulations	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Maximum Contaminant Levels (arsenic, nitrate, turbidity)	In Training	Comprehension	Comprehension	Application	Application
Monitoring and Analytical Requirements (turbidity, coliforms, organic contaminants, organic contaminants)	In Training	Comprehension	Comprehension	Application	Application
Reporting and Recordkeeping Requirements	In Training	Comprehension	Comprehension	Application	Application

Special Regulations, Including Monitoring Regulations and Prohibition on Lead Use	In Training	Comprehension	Comprehension	Application	Application
Maximum Contaminant Level Goals and Maximum Residual Disinfectant Level Goals	In Training	Comprehension	Comprehension	Application	Application
National Primary Drinking Water Regulations: Maximum Contaminant Levels and Maximum Residual Disinfectant Levels	In Training	Comprehension	Comprehension	Application	Application
Filtration and Disinfection	In Training	Comprehension	Comprehension	Application	Application
Control of Lead and Copper	In Training	Comprehension	Comprehension	Application	Application
Treatment Techniques	In Training	Comprehension	Comprehension	Application	Application
Disinfectant Residuals, Disinfection Byproducts, and Disinfection Byproduct Precursors	In Training	Comprehension	Comprehension	Application	Application
Enhanced Filtration and Disinfection Systems Serving 10,000 or More People	In Training	Comprehension	Comprehension	Application	Application
Public Notification of Drinking Water Violations	In Training	Comprehension	Comprehension	Application	Application
Ground Water Rule	In Training	Comprehension	Comprehension	Application	Application
Enhanced Filtration and Disinfection Systems Serving Fewer Than 10,000 People	In Training	Comprehension	Comprehension	Application	Application
Initial Distribution System Evaluations	In Training	Comprehension	Comprehension	Application	Application
Stage 2 Disinfection Byproducts Requirements	In Training	Comprehension	Comprehension	Application	Application
Enhanced Treatment for Cryptosporidium	In Training	Comprehension	Comprehension	Application	Application
National Secondary Drinking Water Regulations	In Training	Comprehension	Comprehension	Application	Application

Operate and Maintain Equipment	**OIT**	**Level I**	**Level II**	**Level III**	**Level IV**
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Evaluate Operation of Equipment					
Check speed of equipment	In Training	Comprehension	Application	Application	Analysis
Inspect equipment for abnormal conditions	In Training	Comprehension	Application	Application	Analysis
Measure temperature of equipment	In Training	Comprehension	Application	Application	Analysis

Read charts	In Training	Application	Application	Application	Analysis
Read meters	In Training	Application	Application	Application	Analysis
Read pressure gauges	In Training	Application	Application	Application	Analysis
Operate Equipment					
Blowers and compressors	In Training	Application	Application	Application	Application
Chemical feeders	In Training	Analysis	Analysis	Analysis	Analysis
Computers (SCADA systems, HMI, etc.)	In Training	Application	Application	Application	Application
Drives	In Training	Application	Application	Application	Application
Electronic testing equipment	In Training	Application	Application	Application	Application
Engines	In Training	Application	Application	Application	Application
Gates	In Training	Application	Application	Application	Application
Generators	In Training	Application	Application	Application	Application
Hand tools	In Training	Application	Application	Application	Application
Hydrants	In Training	Application	Application	Application	Application
Hydraulic equipment	In Training	Application	Application	Application	Application
Instrumentation	In Training	Application	Application	Application	Application
Motors	In Training	Application	Application	Application	Application
Pneumatic equipment	In Training	Application	Application	Application	Application
Power tools	In Training	Application	Application	Application	Application
Pumps	In Training	Application	Application	Application	Application
Valves	In Training	Application	Application	Application	Application
Perform Maintenance					
Backflow prevention devices	In Training	Application	Application	Application	Analysis
Blowers and compressors	In Training	Application	Application	Application	Application
Bulk chemical storage systems	In Training	Application	Application	Application	Analysis
Calibration of chemical feeders	In Training	Application	Application	Application	Analysis
Chemical feeders	In Training	Application	Application	Application	Application
Drives	In Training	Comprehension	Application	Application	Application
Electrical grounding	In Training	Comprehension	Application	Application	Application
Engines	In Training	Comprehension	Application	Application	Application
Gates	N/A	N/A	N/A	N/A	Comprehension
Generators	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Hydrants	N/A	N/A	N/A	N/A	Comprehension
Hydraulic equipment	N/A	N/A	N/A	N/A	Comprehension
Instrumentation	In Training	Application	Application	Application	Application
Lock-out/tag-out	In Training	Application	Application	Application	Application

Motors	In Training	Application	Application	Application	Application
Pipes	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Pneumatic equipment	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Pumps	In Training	Application	Application	Application	Application
Treatment units	In Training	Comprehension	Application	Application	Application
Valves	In Training	Application	Application	Application	Application

Perform Security, Safety, and Administrative Procedures	**OIT**	**Level I**	**Level II**	**Level III**	**Level IV**
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Write/complete reports (state/provincial)	In Training	Comprehension	Application	Application	Analysis
Manage Facility					
Administer safety program	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Develop budget	N/A	N/A	N/A	Comprehension	Comprehension
Respond to complaints	In Training	Analysis	Analysis	Analysis	Analysis
Respond to Emergencies					
Facility upset	In Training	Application	Application	Application	Application
Major spill response	In Training	Application	Application	Application	Application
Natural disasters	In Training	Comprehension	Application	Application	Analysis
System contamination	In Training	Analysis	Analysis	Analysis	Analysis
Safety Procedures					
Calibration of atmospheric testing devices	In Training	Application	Application	Application	Application
Chemical hazards and chemical spill response	In Training	Application	Application	Application	Application
Confined space entry	In Training	Analysis	Analysis	Analysis	Analysis
General safety and health	In Training	Analysis	Analysis	Analysis	Analysis
Pathogens	In Training	Application	Application	Application	Application
Personal protective equipment	In Training	Analysis	Analysis	Analysis	Analysis
Record Information					
Compliance	In Training	Application	Application	Analysis	Analysis
Corrective actions	In Training	Application	Application	Analysis	Analysis
Customer complaints	In Training	Application	Application	Application	Application
Facility operation	In Training	Application	Application	Application	Application
Laboratory	In Training	Comprehension	Application	Application	Analysis
Maintenance	In Training	Application	Application	Application	Analysis

Evaluate Characteristics of Source Water	**OIT**	**Level I**	**Level II**	**Level III**	**Level IV**

Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Algae control	In Training	Comprehension	Comprehension	Comprehension	Application
Bacteriological	In Training	Application	Analysis	Analysis	Analysis
Biological	In Training	Comprehension	Comprehension	Application	Application
Chemical	In Training	Comprehension	Comprehension	Application	Application
Chemical treatment (copper sulfate)	In Training	Application	Application	Application	Analysis
Identify and evaluate potential sources of source water contamination	In Training	Comprehension	Application	Analysis	Analysis
Monitor, evaluate, and adjust source water	In Training	Comprehension	Application	Analysis	Analysis
Physical	In Training	Comprehension	Comprehension	Application	Application
Stratification control	In Training	Comprehension	Comprehension	Application	Analysis

Water Distribution ☒ ☐ ☐ ☐ ☐

System Information/Components	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Assess system demand	In Training	Application	Application	Analysis	Analysis
Install joint restraints	In Training	Application	Application	Application	Analysis
Install shoring	In Training	Application	Application	Application	Analysis
Install thrust blocks	In Training	Application	Application	Application	Analysis
Layout system	In Training	N/A	N/A	Application	Application
Map system	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Perform pressure readings	In Training	Application	Application	Application	Analysis
Preparedness contingency/contingency plan	In Training	Application	Application	Application	Analysis
Read blueprints, readings, and maps	In Training	Application	Application	Application	Analysis
Select materials	In Training	Application	Application	Analysis	Analysis
Select type of pipes	In Training	Comprehension	Application	Application	Analysis
Size mains	In Training	Comprehensive	Comprehensive	Application	Analysis
Write plans	In Training	Application	Application	Application	Analysis

Monitor, Evaluate, and Adjust Disinfection	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Monitor Disinfection					
Calcium hypochlorite disinfection	In Training	Application	Application	Application	Application
Chlorine gas disinfection	In Training	Application	Application	Application	Analysis
Sodium hypochlorite disinfection	In Training	Application	Application	Application	Application

Evaluate Disinfection					
Calcium hypochlorite disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Chlorine gas disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Sodium hypochlorite disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Adjust Disinfection					
Calcium hypochlorite disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Chlorine gas disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Sodium hypochlorite disinfection	In Training	Analysis	Analysis	Analysis	Analysis
Inspect Source Water					
Identify and evaluate potential sources of source water contamination	In Training	Analysis	Analysis	Analysis	Analysis
Wells	In Training	Application	Application	Application	Application

Laboratory Analysis	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Collect and Preserve Samples					
Chlorine demand	In Training	Application	Application	Analysis	Analysis
Chlorine residual	In Training	Application	Application	Analysis	Analysis
Coliforms	In Training	Analysis	Analysis	Analysis	Analysis
Lead/copper	In Training	Application	Application	analysis	Analysis
Nitrate	In Training	Application	Application	Analysis	Analysis
Nitrite	In Training	Application	Application	Analysis	Analysis
pH	In Training	Application	Application	Analysis	Analysis
Radionuclides	In Training	Application	Application	Analysis	Analysis
Synthetic organic chemicals (SOC)	In Training	Application	Application	Analysis	Analysis
Temperature	In Training	Application	Application	Analysis	Analysis
Volatile organic chemicals (VOC)	In Training	Application	Application	Analysis	Analysis
Perform Laboratory Analysis					
Chlorine demand	In Training	Analysis	Analysis	Analysis	Analysis
Chlorine residual	In Training	Analysis	Analysis	Analysis	Analysis
pH	In Training	Application	Application	Analysis	Analysis
Temperature	In Training	Application	Application	Analysis	Analysis
Interpret Laboratory Analysis					
Chlorine demand	In Training	Analysis	Analysis	Analysis	Analysis
Chlorine residual	In Training	Analysis	Analysis	Analysis	Analysis
Coliforms	In Training	Application	Application	Analysis	Analysis
Hardness	In Training	Application	Application	Analysis	Analysis
Iron	In Training	Application	Application	Analysis	Analysis

Lead/copper	In Training	Analysis	Analysis	Analysis	Analysis
Nitrates	In Training	Application	Application	Analysis	Analysis
Nitrites	In Training	Application	Application	Analysis	Analysis
pH	In Training	Application	Application	Application	Analysis
Radionuclides	In Training	Application	Application	Analysis	Analysis
Synthetic organic chemicals (SOC)	In Training	Application	Application	Analysis	Analysis
Temperature	In Training	Application	Application	Application	Analysis
Turbidity	In Training	Application	Application	Application	Analysis
Volatile organic chemicals (VOC)	In Training	Application	Application	Analysis	Analysis

Install Equipment	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Backflow prevention devices	In Training	Comprehension	Application	Analysis	Analysis
Hydrants	In Training	Application	Application	Application	Application
Meters	In Training	Application	Application	Application	Application
Piping	In Training	Application	Application	Application	Application
Service connections	In Training	Application	Application	Application	Application
Taps	In Training	Application	Application	Application	Analysis
Valves	In Training	Application	Application	Application	Analysis
Water mains	In Training	Application	Application	Application	Analysis

Operate Equipment	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Blowers and compressors	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Chemical feeders	In Training	Application	Application	Application	Analysis
Chlorinators	In Training	Analysis	Analysis	Analysis	Analysis
Computers	In Training	Comprehension	Application	Application	Application
Drives	In Training	Comprehension	Application	Application	Analysis
Electrical motors	In Training	Application	Application	Analysis	Analysis
Electronic testing equipment	In Training	Comprehension	Comprehension	Application	Analysis
Engines	In Training	Comprehension	Application	Application	Application
Generators	In Training	Application	Application	Application	Application
Hand tools	In Training	Application	Application	Application	Application
Heavy equipment	In Training	Comprehension	Comprehension	Application	Analysis
Hydrants	In Training	Application	Application	Application	Analysis
Hydraulic equipment	In Training	Comprehension	Comprehension	Application	Application
Instrumentation	In Training	Application	Application	Application	Analysis
Leak correlators/detectors	In Training	Application	Application	Application	Analysis

Pipe locators	In Training	Application	Application	Application	Analysis
Power tools	In Training	Application	Application	Application	Application
Pumps	In Training	Application	Application	Application	Analysis
Samplers	In Training	Comprehension	Application	Application	Analysis
SCADA	In Training	Comprehension	Application	Application	Analysis
Tapping equipment	In Training	Comprehension	Application	Application	Analysis
Telemetry system	In Training	Application	Application	Analysis	Analysis
Valve locators	In Training	Application	Application	Application	Analysis
Valves	In Training	Application	Application	Analysis	Analysis

Perform Maintenance	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Blowers and compressors	N/A	N/A	N/A	N/A	Application
Chemical feeders	In Training	Application	Application	Application	Analysis
Chlorinators	In Training	Application	Application	Analysis	Analysis
Corrosion control	In Training	Application	Application	Analysis	Analysis
Cross-connection control	In Training	Application	Application	Analysis	Analysis
Drives	N/A	N/A	N/A	N/A	Analysis
Electric motors	In Training	Application	Application	Application	Application
Electrical grounding	In Training	Application	Application	Application	Application
Engines	In Training	Comprehension	Application	Application	Analysis
Evaluate operation of equipment	In Training	Application	Application	Analysis	Analysis
Facility inspection	In Training	Application	Application	Analysis	Analysis
Generators	In Training	Application	Application	Application	Application
Hydrants	In Training	Application	Application	Analysis	Analysis
Hydraulic equipment	N/A	N/A	N/A	Application	Analysis
Hypochlorinators	In Training	Application	Analysis	Analysis	Analysis
Instrumentation	In Training	Application	Application	Application	Analysis
Leak detection	In Training	Application	Application	Analysis	Analysis
Lock-out/tag-out	In Training	Application	Application	Application	Application
Meters	In Training	Application	Application	Application	Analysis
Pressure sensors	In Training	Application	Application	Analysis	Analysis
Pumps	In Training	Application	Application	Analysis	Analysis
Service connection	In Training	Application	Application	Application	Analysis
Service pipes	In Training	Application	Application	Application	Application
Valves	In Training	Application	Application	Application	Analysis
Water mains	In Training	Application	Application	Analysis	Analysis

Water storage facility	In Training	Application	Application	Analysis	Analysis

Perform Security, Safety, and Administrative Procedures	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Manage System					
Administer safety/compliance program	In Training	Comprehension	Application	Application	Analysis
Conduct cross-connection surveys	In Training	Application	Application	Analysis	Analysis
Develop budget	In Training	N/A	N/A	Analysis	Analysis
Develop operation and maintenance plan	In Training	Application	Application	Analysis	Analysis
Develop/maintain sample site plan	In Training	Application	Application	Analysis	Analysis
Participate in sanitary surveys	In Training	Application	Application	Application	Application
Regulatory reporting	In Training	Analysis	Analysis	Analysis	Analysis
Promote Public Relations					
Promote customer service program	In Training	N/A	Application	Analysis	Analysis
Respond to complaints	In Training	Application	Application	Application	Analysis
Safety Program					
Chemical safety	In Training	Application	Application	Application	Analysis
Confined space entry	In Training	Application	Application	Application	Application
Excavation, shoring and trenching	In Training	Application	Application	Application	Application
General safety	In Training	Application	Application	Application	Application
Personal protective equipment	In Training	Application	Application	Application	Application
Public protection	In Training	Application	Application	Application	Application
Recordkeeping					
Compliance	In Training	Application	Application	Application	Application
Corrective actions to system deficiencies	In Training	Application	Application	Application	Application
Equipment repair/replacement	In Training	Application	Application	Analysis	Analysis
Laboratory	In Training	Application	Application	Analysis	Analysis
Maintenance	In Training	Application	Application	Application	Application
System operation	In Training	Application	Application	Analysis	Analysis

Wastewater Collection ☒ ☐ ☐ ☐ ☐

Operate Equipment	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					

Blowers and compressors	In Training	Comprehension	Comprehension	Application	Application
Boring equipment	N/A	N/A	N/A	Comprehension	Comprehension
Cathodic protection devices	N/A	N/A	N/A	Application	Application
Chemical feeders	In Training	Comprehension	Comprehension	Comprehension	Application
Cleaning equipment	In Training	Comprehension	Application	Analysis	Analysis
Computers	In Training	Comprehension	Comprehension	Application	Analysis
Electrical controls	In Training	Application	Application	Application	Application
Engines	In Training	Application	Application	Application	Application
Excavating equipment	In Training	Application	Application	Application	Application
Flow monitoring equipment	In Training	Comprehension	Comprehension	Application	Application
Generators	In Training	Application	Application	Application	Application
Hand tools	In Training	Application	Application	Application	Application
Heavy vehicles	In Training	Application	Application	Application	Application
High velocity cleaners	In Training	Application	Application	Analysis	Analysis
Inspection equipment (vacuum testing, pressure testing)	In Training	Comprehension	Application	Application	Application
Motors	In Training	Application	Application	Application	Application
Power tools	In Training	Application	Application	Application	Application
Pumps	In Training	Application	Application	Application	Application
Rodding equipment	In Training	Application	Application	Application	Application
Safety equipment	In Training	Application	Application	Application	Application
Tapping equipment	In Training	Application	Application	Application	Application
Valves	In Training	Application	Application	Application	Application
Variable speed drives	In Training	Application	Application	Application	Application

Evaluate and Maintain Equipment	**OIT**	**Level I**	**Level II**	**Level III**	**Level IV**
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Perform Maintenance on Equipment					
Blowers and compressors	In Training	Comprehension	Comprehension	Comprehension	N/A
Calibration of chemical feeders	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Cleaning equipment	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Electrical controls	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Engines	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Excavating equipment	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Flow monitoring equipment	In Training	Comprehension	Comprehension	Analysis	Analysis
Generators	In Training	Comprehension	Application	Application	Application

Hand tools	In Training	Application	Application	Application	Application
Heavy vehicles	In Training	Comprehension	Comprehension	Comprehension	Comprehension
High velocity cleaners	In Training	Comprehension	Comprehension	Analysis	Analysis
Inspection equipment (tv vacuum testing, pressure testing)	In Training	Comprehension	Application	Analysis	Analysis
Motors	In Training	Application	Application	Application	Application
Power tools	In Training	Application	Application	Application	Application
Pumps	In Training	Application	Application	Analysis	Analysis
Rodding equipment	In Training	Application	Application	Analysis	Analysis
Safety equipment	In Training	Application	Application	Application	Application
Tapping equipment	N/A	N/A	N/A	Application	Application
Valves	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Variable speed drives	In Training	Comprehension	Comprehension	Analysis	Analysis
Evaluate Operation of Equipment					
Inspect equipment for abnormal conditions	In Training	Analysis	Analysis	Analysis	Analysis
Measure temperature of equipment	In Training	Comprehension	Comprehension	Analysis	Analysis
Read charts	In Training	Comprehension	Comprehension	Analysis	Analysis
Read gauges	In Training	Analysis	Analysis	Analysis	Analysis
Read meters	In Training	Analysis	Analysis	Analysis	Analysis
Troubleshoot electrical equipment	In Training	Analysis	Analysis	Analysis	Analysis

Maintain and Restore Collection System	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Clean System					
Hydraulic cleaning (balling, flushing, poly pig)	In Training	Application	Application	Application	Analysis
Jet rodding	In Training	Application	Application	Application	Analysis
Remove stoppage	In Training	Application	Application	Analysis	Analysis
Rodding	In Training	Application	Application	Application	Analysis
Root control	In Training	Application	Application	Analysis	Analysis
Inspect System					
Dye testing	N/A	N/A	Application	Application	Application
Physical inspection	In Training	Application	Application	Application	Application
Televising	In Training	Comprehension	Comprehension	Analysis	Analysis
Rehabilitate and Repair Collection System					
Lift station fitting and piping	In Training	Application	Application	Analysis	Analysis
Manholes	In Training	Application	Application	Analysis	Analysis

Rehabilitate and Repair Collection System Continued					
Sewer lines	In Training	Application	Application	Analysis	Analysis
Taps	In Training	Application	Application	Analysis	Analysis

Maintain Lift Stations	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Electrical					
Fuses	In Training	Application	Application	Analysis	Analysis
Motors	In Training	Application	Application	Analysis	Analysis
Relays	In Training	Application	Application	Analysis	Analysis
Starters	In Training	Application	Application	Analysis	Analysis
Electronic					
Alarms	In Training	Application	Application	Analysis	Analysis
Controllers	In Training	Application	Application	Analysis	Analysis
Electronic Continued					
Gas detection	In Training	Application	Application	Analysis	Analysis
Level detection system	In Training	Application	Application	Analysis	Analysis
RTU (remote transmitting units)	In Training	Application	Application	Analysis	Analysis
Mechanical					
Piping	In Training	Application	Application	Analysis	Analysis
Pressure relief valves	In Training	Application	Application	Analysis	Analysis
Pre-treatment	N/A	N/A	N/A	Analysis	Analysis
Pumps	In Training	Application	Application	Analysis	Analysis
Valves	In Training	Application	Application	Analysis	Analysis
Wet wells	In Training	Application	Application	Analysis	Analysis

Monitor, Evaluate, & Adjust Collection System	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Aeration for hydrogen sulfide control	In Training	Comprehension	Comprehension	Application	Application
Biological filters for odor control	N/A	N/A	Comprehension	Application	Application
Chemical addition for hydrogen sulfide control	In Training	Comprehension	Comprehension	Application	Analysis
Cross connections	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Flow monitoring	In Training	Comprehension	Comprehension	Analysis	Analysis
Force mains	In Training	Analysis	Analysis	Analysis	Analysis
Gravity sewers	In Training	Analysis	Analysis	Analysis	Analysis
Infiltration (inflow, exfiltration)	In Training	Application	Application	Analysis	Analysis
Lift stations	In Training	Analysis	Analysis	Analysis	Analysis
Manholes	In Training	Analysis	Analysis	Analysis	Analysis

Measuring and control systems	In Training	Analysis	Analysis	Analysis	Analysis
Pressure sewers (S.T.E.P.)	N/A	N/A	N/A	N/A	Analysis
Vacuum sewers	N/A	N/A	Analysis	Analysis	Analysis

Perform Security, Safety, & Administrative Procedures	**OIT**	**Level I**	**Level II**	**Level III**	**Level IV**
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Administer System					
Administer safety compliance program	In Training	Application	Application	Analysis	Analysis
Develop budget	N/A	N/A	N/A	Analysis	Analysis
Develop capital improvement plan	N/A	N/A	N/A	N/A	Analysis
Develop operation and maintenance plan	In Training	Application	Application	Analysis	Analysis
Evaluate employee performance	In Training	Application	Application	Application	Analysis
Hire employees	N/A	N/A	N/A	Application	Analysis
Maintain records	In Training	Application	Application	Analysis	Analysis
Perform workplace safety evaluations	In Training	Application	Application	Analysis	Analysis
Plan and organize work activities	In Training	Application	Application	Analysis	Analysis
Record and evaluate data	In Training	Application	Application	Analysis	Analysis
Respond to public complaints	In Training	Application	Application	Analysis	Analysis
Supervise employee work activities	In Training	Application	Application	Application	Analysis
Write reports (federal, internal, state)	In Training	Application	Application	Analysis	Analysis
Safety Procedures					
Calibration of atmospheric testing devices	In Training	Analysis	Analysis	Analysis	Analysis
Chemical spill	In Training	Analysis	Analysis	Analysis	Analysis
Confined space entry	In Training	Analysis	Analysis	Analysis	Analysis
Electrical hazards	In Training	Analysis	Analysis	Analysis	Analysis
Fires	In Training	Analysis	Analysis	Analysis	Analysis
First aid	In Training	Analysis	Analysis	Analysis	Analysis
Hazardous material	In Training	Analysis	Analysis	Analysis	Analysis
Infectious disease	In Training	Analysis	Analysis	Analysis	Analysis
Lifting	In Training	Analysis	Analysis	Analysis	Analysis
Lockout/tagout	In Training	Analysis	Analysis	Analysis	Analysis
Personal protection equipment	In Training	Analysis	Analysis	Analysis	Analysis
Respiratory protection	In Training	Analysis	Analysis	Analysis	Analysis
Shoring	In Training	Analysis	Analysis	Analysis	Analysis
Traffic control	In Training	Analysis	Analysis	Analysis	Analysis
Trenching and excavation	In Training	Analysis	Analysis	Analysis	Analysis
Emergency Plans					

Combined sewer overflows	In Training	Application	Application	Analysis	Analysis
Disasters	In Training	Application	Application	Analysis	Analysis
Manhole hazards	In Training	Application	Application	Analysis	Analysis
Sanitary sewer overflow	In Training	Application	Application	Analysis	Analysis
System failure	In Training	Application	Application	Analysis	Analysis

Wastewater Treatment ☒ ☐ ☐ ☐ ☐

Evaluate Physical Characteristics of Wastestream	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Color	In Training	Analysis	Analysis	Analysis	Analysis
Flow	In Training	Analysis	Analysis	Analysis	Analysis
Foam	In Training	Analysis	Analysis	Analysis	Analysis
Mixing	In Training	Analysis	Analysis	Analysis	Analysis
Odor	In Training	Analysis	Analysis	Analysis	Analysis
Solids concentration	In Training	Analysis	Analysis	Analysis	Analysis
Temperature	In Training	Analysis	Analysis	Analysis	Analysis
Volume/loading	In Training	Analysis	Analysis	Analysis	Analysis

Perform Security, Safety, & Administrative Procedures	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Apply Safety Procedures					
Bloodborne pathogens	In Training	Analysis	Analysis	Analysis	Analysis
Waterborne pathogens	In Training	Analysis	Analysis	Analysis	Analysis
Chemical Hazards					
Chemical hazard communication	In Training	Analysis	Analysis	Analysis	Analysis
Chemical spill response	In Training	Analysis	Analysis	Analysis	Analysis
Personal Protective Equipment					
Respiratory protection	In Training	Analysis	Analysis	Analysis	Analysis
Self-contained breathing apparatus	In Training	Analysis	Analysis	Analysis	Analysis
Other Personal protective equipment	In Training	Analysis	Analysis	Analysis	Analysis
General Safety and Health					
Confined space entry	In Training	Analysis	Analysis	Analysis	Analysis
Emergency eyewash/shower	In Training	Analysis	Analysis	Analysis	Analysis

Fire suppression	In Training	Analysis	Analysis	Analysis	Analysis
First aid	In Training	Analysis	Analysis	Analysis	Analysis
Lifting	In Training	Analysis	Analysis	Analysis	Analysis
Personal hygiene	In Training	Analysis	Analysis	Analysis	Analysis
Slips, trips, and falls	In Training	Analysis	Analysis	Analysis	Analysis
Establish & Follow Emergency Preparedness Plan					
Facility upset	In Training	Analysis	Analysis	Analysis	Analysis
Major spill response	In Training	Analysis	Analysis	Analysis	Analysis
Natural disasters	In Training	Analysis	Analysis	Analysis	Analysis
Record Information					
Corrective actions	In Training	Analysis	Analysis	Analysis	Analysis
Facility operation	In Training	Analysis	Analysis	Analysis	Analysis
Financial	In Training	Analysis	Analysis	Analysis	Analysis
Laboratory	In Training	Analysis	Analysis	Analysis	Analysis
Maintenance	In Training	Analysis	Analysis	Analysis	Analysis
Respond to complaints	In Training	Analysis	Analysis	Analysis	Analysis
Write/complete reports (federal, state, internal)	In Training	Analysis	Analysis	Analysis	Analysis

Evaluate and Maintain Equipment	**OIT**	**Level I**	**Level II**	**Level III**	**Level IV**
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Evaluate Equipment					
Calibrate chemical feeders	In Training	Analysis	Analysis	Analysis	Analysis
Check and evaluate capacity of equipment	In Training	Analysis	Analysis	Analysis	Analysis
Check speed of equipment	In Training	Analysis	Analysis	Analysis	Analysis
Electrical grounding	In Training	Comprehension	Comprehension	Application	Application
Inspect equipment for abnormal conditions	In Training	Analysis	Analysis	Analysis	Analysis
Measure and evaluate head loss	In Training	Comprehension	Application	N/A	N/A
Measure temperature of equipment	In Training	Analysis	Analysis	Analysis	Analysis
Read and evaluate charts	In Training	Analysis	Analysis	Analysis	Analysis
Read and evaluate gauges	In Training	Analysis	Analysis	Analysis	Analysis
Read and evaluate meter results	In Training	Analysis	Analysis	Analysis	Analysis
Perform Preventative and Corrective Maintenance					
Aerators	In Training	Analysis	Analysis	Analysis	Analysis

Backflow prevention devices	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Bar screens	In Training	Analysis	Analysis	Analysis	Analysis
Bioreactors	In Training	Analysis	Analysis	Analysis	Analysis
Blowers and compressors	In Training	Analysis	Analysis	Analysis	Analysis
Boilers	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Cathodic protection systems	In Training	N/A	Analysis	Analysis	Analysis
Chemical feeders	In Training	Analysis	Analysis	Analysis	Analysis
Chlorinators	In Training	Analysis	Analysis	Analysis	Analysis
Clarifiers	In Training	Analysis	Analysis	Analysis	Analysis
Comminuters	In Training	Analysis	Analysis	Analysis	Analysis
Dewatering equipment	In Training	Analysis	Analysis	Analysis	Analysis
Digesters (aerobic)	In Training	Comprehension	Application	Analysis	Analysis
Digesters (anaerobic)	In Training	Comprehension	Application	Analysis	Analysis
Drives	In Training	Comprehension	Application	Analysis	Analysis
Engines (gas, diesel)	In Training	Analysis	Analysis	Analysis	Analysis
Fittings/piping	In Training	Comprehension	Application	Application	N/A
Flow measuring devices	In Training	Analysis	Analysis	Analysis	Analysis
Gates	In Training	Analysis	Analysis	N/A	N/A
Generators	In Training	Analysis	Analysis	Analysis	Analysis
Grit collectors	In Training	Comprehension	Application	Analysis	Analysis
Heat exchangers	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Hydraulic equipment	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Hypochlorinators	In Training	Analysis	Analysis	Analysis	Analysis
Instrumentation	In Training	Analysis	Analysis	Analysis	Analysis
Lock-out/tag-out	In Training	Analysis	Analysis	Analysis	Analysis
Motors	In Training	Application	Application	Application	Application
Off-gas equipment	In Training	Application	Application	Application	Application
Ozonators	In Training	Analysis	Analysis	Analysis	Analysis
Pneumatic equipment	In Training	Application	Application	Application	Application
Pumps	In Training	Analysis	Analysis	Analysis	Analysis
Safety equipment	In Training	Analysis	Analysis	Analysis	Analysis
Screw conveyors	In Training	Comprehension	Application	Analysis	Analysis
Valves	In Training	Analysis	Analysis	Analysis	Analysis

Operate Equipment	OIT	Level I	Level II	Level III	Level IV

Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Backflow prevention devices	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Blowers and compressors	In Training	Application	Application	Analysis	Analysis
Boilers	In Training	Comprehension	Comprehension	Application	Application
Cathodic protection systems	In Training	Comprehension	Comprehension	Comprehension	Comprehension
Chemical feeders	In Training	Application	Analysis	Analysis	Analysis
Computers	In Training	Analysis	Analysis	Analysis	Analysis
Digesters and gas collection	In Training	Application	Application	Analysis	Analysis
Drives	In Training	Application	Analysis	Analysis	Analysis
Electronic testing equipment	In Training	Analysis	Analysis	Analysis	Analysis
Engines (gas, diesel)	In Training	Analysis	Analysis	Analysis	Analysis
Flow measuring devices	In Training	Analysis	Analysis	Analysis	Analysis
Gates	In Training	Analysis	Analysis	Analysis	Analysis
Generators	In Training	Analysis	Analysis	Analysis	Analysis
Hand and power tools	In Training	Analysis	Analysis	Analysis	Analysis
Heat exchangers	In Training	Application	Application	Analysis	Analysis
Heavy vehicles	In Training	Analysis	Analysis	Analysis	Analysis
Hydraulic equipment	In Training	Comprehension	Comprehension	Application	Application
Instrumentation	In Training	Analysis	Analysis	Analysis	Analysis
Motors	In Training	Analysis	Analysis	Analysis	Analysis
Off-gas equipment	In Training	Comprehension	Comprehension	Analysis	Analysis
Pneumatic equipment	In Training	Comprehension	Application	Analysis	Analysis
Pumps	In Training	Analysis	Analysis	Analysis	Analysis
Pure oxygen generators	N/A	N/A	N/A	Application	Analysis
SCADA	In Training	Analysis	Analysis	Analysis	Analysis
Valves	In Training	Analysis	Analysis	Analysis	Analysis

Monitor, Evaluate, & Adjust Treatment Processes	**OIT**	**Level I**	**Level II**	**Level III**	**Level IV**
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
Preliminary Treatment					
Comminution	In Training	Comprehension	Application	Analysis	Analysis
Flow Equalization	In Training	Comprehension	Application	Analysis	Analysis
Grit Removal	In Training	Comprehension	Comprehension	Analysis	Analysis

Plant pumping of main flow	In Training	Analysis	Analysis	Analysis	Analysis
Screening	In Training	Analysis	Analysis	Analysis	Analysis
Primary Treatment					
Clarifiers	In Training	Analysis	Analysis	Analysis	Analysis
Secondary Treatment					
Complete mix activated sludge	In Training	Comprehension	Analysis	Analysis	Analysis
Contact stabilization activated sludge	In Training	Comprehension	Analysis	Analysis	Analysis
Conventional activated sludge	In Training	Comprehension	Analysis	Analysis	Analysis
Extended aeration activated sludge	In Training	Comprehension	Analysis	Analysis	Analysis
Fixed-film bioreactor	In Training	Comprehension	Analysis	Analysis	Analysis
Oxidation ditches	In Training	Analysis	Analysis	Analysis	Analysis
Pure oxygen activated sludge	N/A	N/A	N/A	Analysis	Analysis
Rotating biological contactors	In Training	Analysis	Analysis	Analysis	Analysis
Secondary clarifiers	In Training	Analysis	Analysis	Analysis	Analysis
Sequencing batch reactors	In Training	Analysis	Analysis	Analysis	Analysis
Stabilization ponds with aeration	In Training	Analysis	Analysis	N/A	N/A
Stabilization ponds without aeration	In Training	Analysis	Analysis	N/A	N/A
Step-feed activated sludge	In Training	Comprehension	Analysis	Analysis	Analysis
Trickling filter	In Training	Analysis	Analysis	Analysis	Analysis
Tertiary Treatment					
Advanced waste treatment chemical recovery, carbon regeneration	N/A	N/A	N/A	Comprehension	Comprehension
Biological or chemical/biological advanced waste treatment	In Training	Application	Analysis	Analysis	Analysis
Chemical/physical advanced waste treatment following secondary	In Training	Application	Application	Analysis	Analysis
Ion exchange for advanced waste treatment	N/A	N/A	N/A	Application	Analysis
Media filtration	In Training	Comprehension	Comprehension	Analysis	Analysis
Reverse osmosis, electrodialysis and other membrane filtration techniques	N/A	N/A	N/A	Analysis	Analysis
Disinfection					

Chlorination	In Training	Analysis	Analysis	Analysis	Analysis
Dechlorination	In Training	Analysis	Analysis	Analysis	Analysis
Hypochlorination	In Training	Analysis	Analysis	Analysis	Analysis
Ozonation	N/A	N/A	N/A	Analysis	Analysis
Ultraviolet irradiation	In Training	Comprehension	Analysis	Analysis	Analysis
Chemical Addition					
Dry chemical addition	In Training	Comprehension	Application	Application	Analysis
Gaseous chemical addition	In Training	Application	Application	Analysis	Analysis
Liquid chemical addition	In Training	Application	Analysis	Analysis	Analysis
Effluent Discharge					
Effluent discharge for reuse	In Training	Comprehension	Analysis	Analysis	Analysis
Effluent discharge to receiving stream	In Training	Comprehension	Analysis	Analysis	Analysis
Solids Handling					
Aerobic digestion	In Training	Analysis	Analysis	Analysis	Analysis
Anaerobic digestion	In Training	Comprehension	Application	Analysis	Analysis
Belt press	In Training	Analysis	Analysis	Analysis	Analysis
Centrifuge	In Training	Comprehension	Application	Analysis	Analysis
Compost	In Training	Comprehension	Application	Analysis	Analysis
Condition	In Training	Analysis	Analysis	Analysis	Analysis
Drying bed	In Training	Analysis	Analysis	Comprehension	Comprehension
Incinerate	N/A	N/A	N/A	Application	Analysis
Land apply	In Training	Comprehension	Comprehension	Analysis	Analysis
Landfill	In Training	Analysis	Analysis	Analysis	Analysis
Pressure filter	In Training	Analysis	Analysis	Analysis	Analysis
Stabilize	In Training	Application	Analysis	Analysis	Analysis
Storage	In Training	Application	Analysis	Analysis	Analysis
Thicken	In Training	Application	Analysis	Analysis	Analysis

Laboratory Analysis	OIT	Level I	Level II	Level III	Level IV
Level Operators must have knowledge, skill, and ability (KSA) capabilities for each Job Duty Listed					
General sampling practices	In Training	Analysis	Analysis	Analysis	Analysis
Complete chain-of-custody	In Training	Analysis	Analysis	Analysis	Analysis
Biological analyses	In Training	Analysis	Analysis	Analysis	Analysis
Biochemical oxygen demand	In Training	Analysis	Analysis	Analysis	Analysis
E. coli	In Training	Analysis	Analysis	Analysis	Analysis
Fecal coliform bacteria	In Training	Analysis	Analysis	Analysis	Analysis
Protozoan analysis	In Training	Analysis	Analysis	Analysis	Analysis
Whole effluent toxicity	In Training	Analysis	Analysis	Analysis	Analysis
Chemical analyses	In Training	Analysis	Analysis	Analysis	Analysis

Alkalinity	In Training	Analysis	Analysis	Analysis	Analysis
Ammonia nitrogen	In Training	Analysis	Analysis	Analysis	Analysis
Chemical oxygen demand	In Training	Analysis	Analysis	Analysis	Analysis
Dissolved metals	In Training	Analysis	Analysis	Analysis	Analysis
Heavy metals	In Training	Analysis	Analysis	Analysis	Analysis
Hexavalent chromium	In Training	Analysis	Analysis	Analysis	Analysis
Ortho-phosphate	In Training	Analysis	Analysis	Analysis	Analysis
Total phosphorus	In Training	Analysis	Analysis	Analysis	Analysis
Volatile acids	In Training	Analysis	Analysis	Analysis	Analysis
Volatile organic chemicals	In Training	Analysis	Analysis	Analysis	Analysis
Physical analyses	In Training	Analysis	Analysis	Analysis	Analysis
Chlorine residual	In Training	Analysis	Analysis	Analysis	Analysis
Conductivity	In Training	Analysis	Analysis	Analysis	Analysis
Dissolved oxygen	In Training	Analysis	Analysis	Analysis	Analysis
Oxidation-reduction potential	In Training	Analysis	Analysis	Analysis	Analysis
Oxygen uptake/respiration	In Training	Analysis	Analysis	Analysis	Analysis
pH	In Training	Analysis	Analysis	Analysis	Analysis
Settleable solids	In Training	Analysis	Analysis	Analysis	Analysis
Temperature	In Training	Analysis	Analysis	Analysis	Analysis
Total dissolved solids	In Training	Analysis	Analysis	Analysis	Analysis
Total solids	In Training	Analysis	Analysis	Analysis	Analysis
Total suspended solids	In Training	Analysis	Analysis	Analysis	Analysis
Turbidity	In Training	Analysis	Analysis	Analysis	Analysis
Volatile suspended solids	In Training	Analysis	Analysis	Analysis	Analysis

SUPERVISION EXERCISED:

1. None

PHYSICAL DEMANDS:

While performing the duties of this job, the employee is regularly required to:

- stand and walk
- use hands to finger, handle, or feel
- reach with hands and arms
- climb or balance
- stoop, kneel, crouch, or crawl
- frequently is required to sit
- talk and hear
- taste and smell
- frequently lift and/or move up to SO pounds
- have visual acuity

WORK ENVIRONMENT:

Work is generally performed indoors and outdoors. Exposure to natural weather conditions and various dusts and mists may occur while performing outdoor duties. Exposure to extreme cold and heat. Work can be in confined, awkward or cramped spaces. Exposure to water, chemicals, hazardous materials, slippery floors, raw sewage and noise while performing duties. Working in sensitive and/or hazardous areas is common.

PERSONAL PROTECTIVE EQUIPMENT:

Hearing Protection; Eye Protection; Hard Hat; Respiration Protection; Coveralls; Leather Gloves; Rubber Boots & Gloves; Safety Footwear

EMPLOYEE'S CERTIFICATION:

The above statements are intended to describe the general nature and level of work being performed. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of personnel so classified. I understand that this job description is subject to change by NTUA as the needs of the employer and requirements of the position change.

Employee's Signature

Date