

## DAMAGE ASSESSMENT, REPAIR AND START-UP TEAM - WASTEWATER TREATMENT FACILITIES

<b>DESCRIPTION</b>	This team assesses, repairs, and conducts start-up of all wastewater treatment facilities.
<b>RESOURCE CATEGORY</b>	Public Works
<b>RESOURCE KIND</b>	Team with personnel and equipment components
<b>OVERALL FUNCTION</b>	<p>This team is responsible for the assessment and repair of all types of wastewater treatment facilities, regardless of size, with various treatment systems, conveyance facilities, and treatment plants.</p> <p>Degree and type of repair and start-up capability are physical/chemical and biological treatment, activated sludge, nutrient removal, tertiary filtration, gaseous chlorination, membranes, ultra violet (UV), dewatering, and bio solids handling.</p> <p>Excluded are pump and lift station repairs, structural and similar scale repairs.</p>
<b>COMPOSITION AND ORDERING SPECIFICATIONS</b>	<p>Requestor to supply licensed operator familiar with the treatment process, plant shut down and startup, and schematics of pipes and valves.</p> <p>Requestor should specify treatment processes used, as well as any materials that should be provided by the responders.</p> <p>Requestor should specify personnel based on incident needs.</p> <p>Types of facilities and processes in need of assessment and repair: _____</p> <p>Materials that should be provided by responders: _____</p> <p>Specific control systems used: _____</p> <p>Electronic _____ Pneumatic _____ Hydraulic _____</p> <p>Facility capacity, Millions of Gallons Per Day(MGD): _____</p> <p>Ordering Specifications: Security requirements should be determined by the requesting agency based upon actual field conditions and intelligence, and provided to the responding team.</p>

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	SINGLE TYPE	NOTES
<b>EQUIPMENT (COMMUNICATIONS) QUANTITY AND KIND BASED ON MISSION ASSIGNMENTS</b>	Cell phones Portable radios Satellite phone	Not Specified
<b>EQUIPMENT (VEHICLE AND SPECIALIZED EQUIPMENT) NUMBER AND KIND OF PER TEAM</b>	2 Heavy-duty pick-up trucks 1 with equipment boom Other equipment and supplies as needed based on ordering specifications	Examples of tools and equipment include flashlights, insulated rubber gloves, measuring tape, screw drivers, and bolt cutters

**INTERIM GUIDANCE**

*Superseded*

COMPONENT	SINGLE TYPE	NOTES
<b>EQUIPMENT DURATION OF SUSTAINED OPERATION</b>	Up to 14 days	Not Specified
<b>PERSONNEL DURATION OF SELF- SUSTAINED OPERATION</b>	72 hours	The requestor will provide support to the team such as security, fuel, and power for recharging of phones, computers and other rechargeable devices.
<b>PERSONNEL HOURS OF OPERATION PER SHIFT</b>	12 Hours	Not Specified
<b>PERSONNEL POSITIONS PER TEAM TEAM MEMBER CAPABILITIES FOR ASSESSMENTS AND REPAIRS OF PROCESSES INDICATED</b>	Total = 7 1 Mechanic 1 Electrician 2 Licensed operators 1 Instrumentation technician 2 Repair technicians	All team members will have completed the Occupational Safety and Health Administration - Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) required coursework.
<b>SUPPLIES (LOGISTICS) QUANTITY AND KIND BASED ON MISSION ASSIGNMENTS</b>	Water and other potable fluids Food Shelter Sanitation	Not Specified

## NOTES

Nationally typed resources represent the minimum criteria for the associated component and capability.

## REFERENCES

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