

DAMAGE ASSESSMENT AND REPAIR TEAM - WATER PUMP FACILITIES

DESCRIPTION	This team assesses and repairs all types of water pump facilities.		
RESOURCE CATEGORY	Public Works	RESOURCE KIND	Team with personnel and equipment components.
OVERALL FUNCTION	<p>This team is responsible for the assessment and repair of all types of landbased water pump facilities, regardless of size, including intake facilities, raw water conveyance facilities, treatment plants, and pump stations.</p> <p>Excluded are structural or similar scale facilities such as raw, finished, and booster pump stations.</p>	COMPOSITION AND ORDERING SPECIFICATIONS	<p>Requestor should specify types of pump facilities in need of assessment and repair, as well as any materials that should be provided by the responder. Major repair materials provided by requestor or others</p> <p>Types of pump facilities in need of assessment and repair:</p> <hr/> <p>Materials that should be provided by responders:</p> <hr/> <p>Specific control systems used: Electronic _____ Pneumatic _____ Hydraulic _____</p> <p>Facility capacity, Millions of Gallons Per Day (MGD): _____</p> <p>Maximum pump voltages: 4160 _____ 480 _____</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>

RESOURCE TYPES			TYPE 1	NO TYPE 2	NO TYPE 3	NO TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Personnel	Hours of operation per shift		12 hours	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			
Personnel	Duration of self-sustained operation		72 hours	Not Applicable	Not Applicable	Not Applicable
			NOTES: The requestor will provide support to the team, such as security, fuel, recharging for phones, batteries, power for computers, etc.			
Personnel	Positions per team		Total = 4 1 Team Leader 1 Mechanic 1 Electrician 1 Repair technician	Not Applicable	Not Applicable	Not Applicable
			NOTES: All team members will have completed the Occupational Safety and Health Administration - Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) required coursework.			
Equipment	Duration of sustained operation		Up to 14 days	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			

INTERIM GUIDANCE

Superseded



RESOURCE TYPES			TYPE 1	NO TYPE 2	NO TYPE 3	NO TYPE 4
COMPONENT	METRIC/ MEASURE	CAPABILITY				
Supplies(Logistics)	Quantity and kind based on mission assignments		Water and other potable fluids Food Shelter Sanitation	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			
Equipment(Vehicle and Specialized Equipment)	Number and kind of, per team		2 Heavy-duty pick-up trucks, 1 with equipment boom Other tools and equipment as needed based on ordering specifications	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			
Equipment(Communications)	Quantity and kind per team based on mission assignments		Cell phones Portable radios Satellite phone	Not Applicable	Not Applicable	Not Applicable
			NOTES: None			

COMMENTS

1. Basic safety equipment for team members should include hard hats, reflective vests, and other appropriate equipment based on ordering specifications and conditions.

REFERENCES

1. This document is U.S. Government work and is not copyright protected in the United States. This publication was created with individual input and expertise provided by several state and local government entities. While the Federal Emergency Management Agency does not endorse any non-U.S. Government organizations or publications, several documents were referenced in the creation of this document, including, for example, the "American Water Works Association (AWWA), c 2008. Water & Wastewater Mutual Aid and Assistance Resource Typing Manual. Denver, Colorado."

NOTES

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