

WATER PUMP, WASTEWATER

DESCRIPTION	The Water Pump, Wastewater is equipment that lifts and moves wastewater through a pressure piping system
RESOURCE CATEGORY	Public Works
RESOURCE KIND	Equipment
OVERALL FUNCTION	The Water Pump, Wastewater is equipment that supports the temporary bypass of lift and pump stations to maintain wastewater collection
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. Requestor specifies desired/comparable pump manufacturer and model, as necessary 2. Requestor specifies suction hose length, strainer type, and hole size 3. Can be ordered with staff using the National Incident Management System (NIMS) Utility Worker Specialist - Water Sector Infrastructure 4. Requestor specifies discharge piping connection type: <ol style="list-style-type: none"> a. Cam lock flex hose b. Cam lock hard pipe c. Threaded mechanical connection and length

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	TYPE 1	TYPE 2	TYPE 3	TYPE 4	NOTES
EQUIPMENT DESCRIPTION	Same as Type 2, PLUS: Dry prime to 20'	Same as Type 3, PLUS: 1. Dry prime to 26' 2. Solids handling to 5", unscreened materials	Same as Type 4, PLUS: Solids handling to 4", unscreened materials	Same as Type 5	Not Specified
EQUIPMENT PUMP CAPACITY (GALLONS PER MINUTE)	8,600	6,000	4,500	1,900	Not Specified
EQUIPMENT HEAD (FEET)	88	50	120	100	Not Specified
EQUIPMENT SUCTION SIDE (INCHES)	12	10	8	6	Not Specified
PERSONNEL ON-SITE SETUP TEAM	Same as Type 2	Same as Type 3	Same as Type 4	Same as Type 5	Not Specified
PERSONNEL TRAINED OPERATOR	Same as Type 2	Same as Type 3	Same as Type 4	Same as Type 5	Not Specified



Resource Typing Definition for Infrastructure Systems
Public Works

COMPONENT	TYPE 5	NOTES
EQUIPMENT DESCRIPTION	1. Self priming 2. Dry prime to 20' 3. Solids handling to 3", unscreened materials 4. Self-contained diesel power supply 5. Automatic start/stop 6. Portable, skid-mounted or trailer-mounted	Not Specified
EQUIPMENT PUMP CAPACITY (GALLONS PER MINUTE)	885	Not Specified
EQUIPMENT HEAD (FEET)	72	Not Specified
EQUIPMENT SUCTION SIDE (INCHES)	4	Not Specified
PERSONNEL ON-SITE SETUP TEAM	2	Not Specified
PERSONNEL TRAINED OPERATOR	2	Not Specified



NOTES

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

REFERENCES

1. FEMA, NIMS 509: Utility Worker Specialist – Water Sector Infrastructure
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, National Response Framework, June 2016