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	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: 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 feet	Same as Type 3, PLUS: 1. Dry prime to 26 feet 2. Solids handling to 5 inches, unscreened materials	Same as Type 4, PLUS: Solids handling to 4 inches, unscreened materials	Same as Type 5	Not Specified
EQUIPMENT PUMP CAPACITY (GALLONS PER MINUTE)	8,600 GPM	6,000 GPM	4,500 GPM	1,900 GPM	Not Specified
EQUIPMENT HEAD (FEET)	88 feet	50 feet	120 feet	100 feet	Not Specified
EQUIPMENT SUCTION SIDE (INCHES)	12 inches	10 inches	8 inches	6 inches	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

COMPONENT	TYPE 5	NOTES
EQUIPMENT DESCRIPTION	1. Self-priming 2. Dry prime to 20 feet 3. Solids handling to 3 inches, 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 gallons per minute (GPM)	Not Specified
EQUIPMENT HEAD (FEET)	72 feet	Not Specified
EQUIPMENT SUCTION SIDE (INCHES)	4 inches	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, NIMS, October 2017
3. FEMA, National Response Framework, October 2019