

**FACT SHEET
STATEMENT OF BASIS
WEIR SPECIALTY PUMPS
UPDES PERMIT NO. UT0025089
RENEWAL PERMIT
MINOR INDUSTRIAL**

FACILITY CONTACT

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DESCRIPTION OF FACILITY

This facility produces industrial water pumps and has a Standard Industrial Classification (SIC) code of 3561 for pumps and pumping equipment. In addition to cutting and machining new parts on site, prefabricated parts are also used in the assembling of the pumps. The completed pumps are tested onsite. The water left in the pumps after the testing is done is the main source of discharge. The facility is located at 440 West 800 South in Salt Lake City, Utah.

DESCRIPTION OF DISCHARGE

The “burn table” wastewater was discharged to Outfall 001. The facility will no longer discharge from the burn table. The discharge from the burn table will be hauled off site. The pump test wastewater is discharged through Outfall 002.

The pump discharge sizes vary from about two (2) inches to thirty (30) inches and the pumping capacity varies from about 2,000 gallons per minute to about 75,000 gallons per minute. Current discharges occur after the pumps are tested. While the water from each test is cycled into and out of one of three large holding tanks (10,000; 30,000; 40,000 gallons), the assemblies (piping, valves, connections, etc.) have residual water standing in them which falls to the floor when the assembly is disconnected. Culinary water is used for the testing of the pumps. This water is settled and then discharged via sump pump. This results in discharges varying from 150 gallons to 10,000 gallons per day. Discharges may occur up to five (5) days per week.

The facility has added spill procedures to ensure that if oil is released during a test, absorbents are used to minimize the discharge of oil from the facility.

RECEIVING WATERS AND STREAM CLASSIFICATION

Outfall 002 discharges to Salt Lake City's storm drain system at about 750 South 500 West, thence to the Jordan River and finally into the Great Salt Lake. Piped storm drains are not classified. However, the Jordan River at the discharge point is classified 2B, 3B, and 4, according to *Utah Administrative Code (UAC) R317-2-12,7*:

- Class 2B -protected for boating, water skiing, and similar uses, excluding recreational bathing (swimming).

- Class 3B -protected for warm water species of game fish and other warm water aquatic life, including the necessary aquatic organisms in their food chain.

- Class 4 -protected for agricultural uses including irrigation of crops and stockwatering.

SUMMARY OF CHANGES FROM PREVIOUS PERMIT

All effluent limitations for Outfall 002 are the same as those in the previous permit. No discharge will be allowed from Outfall 001.

BASIS FOR EFFLUENT LIMITATIONS

The total suspended solids (TSS) and pH limits are based on current Utah Secondary Treatment Standards, *UAC R317-1-3.2*. The oil and grease limit is based on best professional judgment since the water used to test the pumps has the potential to come into contact with oily parts. Wasteload Analysis indicates that these limitations should be sufficiently protective in order to prevent violations of the State water quality standards in the receiving stream.

Based on effluent monitoring data, the permittee is expected to be able to comply with the limitations.

The limitations are the same as those in the previous permit.

Parameter	Effluent Limitations a/			
	Maximum Monthly Avg	Maximum Weekly Avg	Daily Minimum	Daily Maximum
Flow, GPD	NA	NA	NA	NA
TSS, mg/L	25	35	NA	NA
Oil & Grease, mg/L	NA	NA	10	NA
pH, Standard Units	NA	NA	6.5	9.0

NA – Not Applicable

SELF-MONITORING AND REPORTING REQUIREMENTS

The following effluent self-monitoring and reporting requirements are based on the *Utah Monitoring, Recording and Reporting Frequency Guidelines* as effective December 1, 1991, and are the same as those in the previous permit. Reports shall be made on Discharge Monitoring Report (DMR) forms, and are due 28 days after the end of the monitoring quarter.

Self-Monitoring and Reporting Requirements a/			
Parameter	Frequency	Sample Type	Units
Total Flow b/ c/	Monthly	Measured	GPD
TSS	Monthly	Grab	mg/L
Oil & Grease	Monthly	Grab	mg/L
pH	Monthly	Grab	mg/L

NA – Not Applicable

STORM WATER REQUIREMENTS

Independent of any process wastewater discharge, the permittee would still require a UPDES permit for its storm water discharge. The permittee's storm water will be covered under the Stormwater General Permit UTR000000.

PERMIT DURATION

It is recommended that this permit be effective for a period of five (5) years.

Drafted by Jennifer Robinson
Utah Division of Water Quality
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