



State of Utah

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April 20, 2023

DIVISION OF WATER QUALITY
UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
PUBLIC NOTICE TO MODIFY A UPDES PERMIT

PURPOSE OF PUBLIC NOTICE

The purpose of this public notice is to declare the State of Utah's intention to modify a Utah Pollution Discharge Elimination System (UPDES) Permit under authority of the Utah Water Pollution Control Act, Section 19-5-104(9) and 107(2), Utah Code Annotated 1953, as amended. Said "permit" refers to the UPDES Permit and the Fact Sheet Statement of Basis (including Total Maximum Daily Loads (TMDL's)) if applicable, as per Section 303(d) of the Federal Clean Water Act (CWA)].

PERMIT INFORMATION

PERMITTEE NAME: GPM Enviro Project Manager, LLC
FACILITY LOCATION: 900 Geneva Road, Vineyard, Utah
MAILING ADDRESS: 281 South Vineyard Road, Suite 106, Orem, Utah 84059
TELEPHONE NUMBER: 801-225-2031
UPDES PERMIT NUMBER: UT0000361
PERMITTED OUTFALLS: 005-B
OUTFALL LOCATION: latitude 40°19'21.9576" N, longitude 111° 45'23.7528" W
RECEIVING WATERS: Utah Lake

BACKGROUND

GPM Enviro Project Manager, LLC (GPM) manages the former Anderson Geneva Development, Inc. UPDES Permit and property, which was previously a defunct integrated steel mill located in the town of Vineyard, Utah, just east of Utah Lake in Utah County with the above-mentioned UPDES permit and facility address (facility). As of June 2010, the steel making machinery had been dismantled and removed off site, and all of the buildings and other structures at the facility have since been demolished. GPM's operations during the ongoing redevelopment of the facility property have fallen under two Standard Industrial Classification Codes: *4953-Refuse Systems and; 5093-Scrap and Waste Materials.*

Storm water discharges at the facility are currently regulated under the Utah Multi-Sector General Permit for Industrial facilities with UPDES Permit Number UTRI00088. As the facility area within the permit boundaries becomes remediated and redeveloped for other uses, such areas that are redeveloped will continue to use the existing collection system for storm water discharges in conjunction with the Utah Municipal Separate Storm Sewer System (MS4) permit for Vineyard City regulated under the UPDES MS4 Permit Number UTR090073.

Storm water and wastewater discharges from the facility, as well as storm water from parts of the adjacent Vineyard City as redeveloped, is conveyed through a concrete culvert inlet structure into the northeast side of a large onsite retention pond, which ultimately discharges to Utah Lake (via Outfall 001) through a 1500-foot-long, 24-inch diameter diffuser with 20, 6" portals extending west from the retention pond out into Utah Lake. The retention pond has a design capacity of 20 million gallons per day (MGD) and Outfall 001 has a mean monthly design flow of 5.0 MGD.

Regarding wastewater discharges at the facility, the only operation currently remaining on the site is the ongoing Resource Conservation and Recovery Act (RCRA) Ground Water Treatment Unit for discharges via Outfall 005-B. Due to historical ground water impacts on site, monitoring wells were previously installed for long term monitoring and treatment of the impacted ground water. A Granular Activated Carbon (GAC) Treatment Unit has been utilized for many years to treat the ground water prior to any discharges. The current GAC Treatment Unit was installed in late 2019 along with the relocated outfall (005-B) as part of the previous permit modification process to replace the original GAC unit and outfall (005-A). The treated water from the newer GAC unit is batch discharged intermittently through Outfall 005-B to an internal drainage ditch on the property, which then flows into the site storm water collection system and eventually may ultimately flow into Utah Lake via the existing Outfall 001 structure.

Since storm water discharges are being managed and regulated at the facility via the aforementioned UPDES storm water permits, and since the only wastewater discharges occurring at the facility are from Outfall 005-B, GPM has requested the removal of Outfalls 001 & 005-A from the UPDES Permit, as well as the removal of Total Lead from future sampling requirements. Additionally, GPM has requested other permit modifications, such as the removal of the Oil & Grease sampling, as well as a request for the Total Dissolved Solids (TDS) effluent limitation to be a loading-based requirement. Not all of GPM's requests have been implemented as proposed, but each of these permit modification requests have been addressed below and in the permit Fact Sheet, which also includes an outfall location map for reference.

LIST & DESCRIPTION OF PERMIT MODIFICATIONS

1. As mentioned above, Outfalls 001 & 005-A will now be obviated from this permit. Outfall 005-A is no longer in service and has been previously replaced by Outfall 005-B. Outfall 001 no longer discharges wastewater from the facility that will not already be regulated through Outfall 005-B as modified.
2. GPM has requested the removal of Total Lead monitoring from future permit requirements since there have been no detectable concentrations reported in many years. This request has been addressed and granted as discussed in the **Reasonable Potential Analysis** section of the Fact Sheet.
3. With the removal of Outfall 001, all the monitoring requirements from that outfall have now been added to Outfall 005-B as appropriate, with the exception of Total Lead. This includes the additional monitoring and limitations for: pH, TDS, Total Phosphorus, Turbidity, Oil & Grease, and Acute Whole Effluent Toxicity testing. Note that the previously existing effluent limitations for Outfall 005-B remain unchanged and, in the permit, as appropriate.

4. GPM requested that the TDS limitation be changed to a loading-based limitation in lieu of a concentration-based limitation. The permitting authority determined that although it was not appropriate for the TDS concentration-based limitation to be eliminated at this time, a conditional loading-based limitation for TDS was added to the permit effluent limitations. The new TDS conditional loading limitation is based upon the fact that current TDS ground water concentrations proximal to Outfall 005-B are unknown and expected to be highly variable. Thereby, if the existing TDS concentration limit cannot be met, then the effluent shall be limited to a TDS loading limit of 231 lbs/day as a maximum monthly average. The 231 lbs/day was calculated using the current TDS concentration limit and proposed new effluent flow limitation as discussed below and calculated as follows: $[1200 \text{ mg/L TDS} \times 0.02304 \text{ MGD} \times 8.34 \text{ lbs/gal} = 230.6 \text{ lbs}]$.
5. As mentioned above, an effluent flow limitation has now been added to further support TDS and other effluent loading limitations. The maximum monthly average flow limitation is based upon the GAC Treatment Unit average design flow of 23,040 gallons per day as provided by GPM, which equates to 0.02304 MGD.
6. Oil & Grease monitoring has not been removed from the permit as requested by GPM, but rather has been changed to a visual monthly monitoring requirement first, and then if a sheen is observed, then a sample must be immediately collected and subject to the same previous and existing effluent limitation. This is consistent with other UPDES permitted facilities statewide that consistently do not have detectable concentrations of Oil & Grease in the discharging effluent. Additionally, the GAC Treatment Unit would remove any traces of Oil & Grease constituents prior to discharges via Outfall 005-B.

These changes listed above as reflected in the modified permit are the only changes being proposed with this permit modification that are subject to public comment during the public notice period. All other permit provisions remain unopened and unchanged, including all existing permit effluent limitations. See the draft Permit and Fact Sheet Statement of Basis for more information.

PUBLIC COMMENTS

During the public comment period provided under Utah Administrative Code (UAC) R317-8-6.5, any interested person may submit written comments on the draft permit and may request a public hearing if no hearing has already been scheduled. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. All comments will be considered in making the final decision and shall be answered as provided in UAC R317-8-6.12. Public comments are invited any time prior to the deadline of the close of business on **May 22, 2023**. Written public comments can be submitted to: Jeff Studenka, UPDES Individual Permits Section, Utah Division of Water Quality, PO Box 144870, Salt Lake City, Utah 84114-4870 or by email at: wqcomments@utah.gov. After considering public comment the Utah Division of Water Quality may execute the permit issuance, revise it, or abandon it. The permit is available for public review under "Public Notices" at <https://deq.utah.gov/division-water-quality>. If internet access is not available, a copy may be obtained by calling Jeff Studenka at 385-602-7303.