

Heber Valley Special Service District

Lagoon Dredging Project

FACT SHEET

Why: Over the years solids have accumulated in the primary treatment lagoon, aka Cell 1. The amount of solids is now excessive and hinders operation and performance. The material needs to be removed to restore performance.

What: The project's scope of work involves the dredging, dewatering and disposal of approximately 3,000 dry tons (DT) of solids from Cell 1. (The District's other treatment lagoons have been sampled and do not require dredging at this time.) The removed solids will be transported off site for further treatment and ultimately disposed of at a landfill.



Dredge being placed in Lagoon Cell 1

Dredging of the lagoon is the most efficient means of removing the solids and the District has solicited competitive bids for the work based on this approach. The District has entered into an agreement with the selected Contractor (American Process Group, LLC) to perform the work for a fee of approximately \$4.5M. The scope and specialized nature of this work are beyond the capabilities of the District to self-perform.

When: The lagoon dredging project will begin in mid-November 2025 and is scheduled to be complete by the end of March 2026. The District intentionally scheduled the timing of this work during the winter months to minimize the chance of odors and impacts to the community. The Contractor has scheduled 140 days to complete the project but has indicated they plan to increase production to shorten this schedule. Contractor work hours are scheduled as M-F 7 AM-6 PM. Dredging on weekends is not allowed under the contract.

Where: The solids will be removed from the primary lagoon cell located at our treatment facility at 1000 East Main Street, Midway, UT. The solids will be processed and loaded onto trucks at our facility for transport to the disposal site- E.T. Technologies, Inc. (ETT) in Salt Lake City, UT. ETT will incorporate the solids into their Soil Regeneration Site which reduces

the contaminants in the waste using bacteria. The end product is a topsoil that is used exclusively by the Salt Lake County Landfill, located adjacent to ETT.

How: The solids will be removed from the lagoon using a dredge. The dredge will float on the lagoon and extend a cutter/auger boom down into the solids. The cutter head creates a slurry of solids that is augered to a dredge pump which conveys the slurry to the solids processing area located adjacent to the lagoon.



Dredge Cutter Head



Dredge with Floating Slurry Pipe (Note Solids Processing Area in Background)

The slurry will enter a screening tank to remove any large debris and provide a buffer between the dredging and dewatering operations. The screened slurry is then fed to centrifuges to dewater the solids. The solids concentration will be increased from about 2-5% to 20-25% by dewatering. This reduces the amount of water that is transported and saves cost on disposal, which is based on weight. The dewatered solids, which are now in cake form (e.g. play-dough consistency), are conveyed from the centrifuges directly into trucks for transport to disposal. Dewatered solids will not be stockpiled or stored on-site during this project. The contractor's preliminary production schedule estimates that they will produce approximately 26 DT of solids daily, which translates to about 4-5 truckloads/day. Increased production will raise these numbers to about 40 DT/day and 6-8 trucks/day.

The solids processing area, which contains centrifuges, pumps, tanks, conveyors, rotary drum screen, a polymer feed system and ancillary equipment, will be contained within a temporary tent structure for safety, odor control, and to prevent winter weather issues.

The District's goal is to have this project completed before spring. Any questions or concerns regarding this project should be emailed to the District at info@hebertvalleyssd.gov



Centrifuges and Conveyors Loading Dewatered Solids into Truck



Tent Structure Being Erected Over Solids Processing Area