



State of Utah

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DIVISION OF WATER QUALITY
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December 14, 2020

DIVISION OF WATER QUALITY
UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
PUBLIC NOTICE OF NEW UPDES PERMIT

PURPOSE OF PUBLIC NOTICE

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

PERMIT INFORMATION

PERMITTEE NAME:	Gunlock Water Treatment Plant
MAILING ADDRESS	175 East 200 North St. George, UT 84770
TELEPHONE NUMBER:	(435) 627- 4854
FACILITY LOCATION:	Off Gunlock Drive, Dammeron Valley, UT 84783
UPDES PERMIT NO.:	UT0026123
OUTFALLS:	001
RECEIVING WATERS:	Santa Clara River

BACKGROUND

The Gunlock Water Treatment Facility will be a newly constructed facility designed to primarily treat arsenic in groundwater. Arsenic and other contaminants will be removed through filter media. The main treatment process involves a pre-oxidation with chlorine, coagulation (ferric chloride) and pressure filtration with sand and anthracite media and air scour capabilities, followed by post-chlorination. Backwash waste flows will be pumped to one of two backwash clarifiers. Water within the clarifiers will be decanted and returned to the front of the plant. Periodically, the sludge in the tank bottom will be removed through a blowdown process and will be pumped to drying beds for further processing. Water within the drying beds will be removed through evaporation. However, in the event that the water production exceeds the evaporation rate, decanted water will be sent to a detention pond, which eventually runs to the Santa Clara River. Dried Sludge will be removed and hauled to a local landfill. The discharge is not anticipated to be year-round, but only during periods of low evaporation and high water production.

PUBLIC COMMENTS

Public comments are invited any time prior to the deadline of the close of business on **January 14, 2020**. Written public comments can be submitted to Leanna Littler, UPDES Surface Water Section, Utah Division of Water Quality, PO Box 144870, Salt Lake City, Utah 84114-4870 or by email at lnlittler@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 <https://deq.utah.gov/water-quality/water-quality-public-notices>. If internet access is not available, a copy may be obtained by calling Leanna Littler at (801) 536-4397.