

**FACT SHEET STATEMENT OF BASIS
MANTI CITY CORPORATION
PERMIT MODIFICATION
UPDES PERMIT NUMBER: UT0020303
MINOR MUNICIPAL**

FACILITY CONTACTS

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DESCRIPTION OF PERMIT MODIFICATIONS

In 2011, Manti City had a Wastewater Capital Facility Plan completed and it determined that a total containment lagoon would be the most cost-effective option for Manti. Following the 2011 plan, the third cell of the lagoon was reconstructed in 2012, with plans of constructing additional cells in the future. However, additional property was unable to be acquired and the seepage rate of the third cell was less than anticipated, significantly reducing the design life. Currently, Manti seasonally land applies on a nearby site to increase capacity before winter.

Manti's UPDES Permit allows for discharge to the San Pitch River between October 1st and February 28th. However, Manti currently does not have the ability to discharge to the San Pitch River and the outfall to the San Pitch River is planned for a future phase.

In order to address Manti's more immediate need for capacity, additional land was purchased for land application. Manti has applied for a construction permit for the upgrades and has submitted a complete reuse project plan. The proposed land application site is approximately 2,000 LF Northwest of the lagoons. A 10-inch PVC pipe for transmission and a chlorination building will be installed. The effluent will be applied via pivot for irrigation of animal feed crops.

This permit has been modified to identify the location of the current land application site (001R) and the proposed land application site (002R). The permit was additionally updated to be consistent with current reuse management practice, limits, and sampling requirements listed in R317-3-11.5. Section I (a) (2) was added to include reporting requirements for reuse sampling.

Below is a summary of limit and sampling frequency changes for land application (reuse):

Parameter	Summary of Changes
BOD5, mg/L	Maximum Weekly Average limit removed.
TSS, mg/L	Sampling frequency has been changed from monthly to weekly to be consistent with the minimum allowed in R317-3-11.5 (C) (5)
pH, SU	Daily Minimum was changed from 6.5 to 6.0 to be consistent with R317-3-11.5.
<i>E. coli</i> , No./100 mL	Sampling frequency has been changed from monthly to weekly to be consistent with the minimum allowed in R317-3-11.5 (C) (5)

Below is a table reflecting the changes:

Parameter	Type II Reuse Effluent Limitations and Sampling Frequency					
	Maximum Monthly Avg	Maximum Weekly Avg	Daily Minimum	Daily Maximum	Sample Frequency	Sample Type
Flow, MGD	NA	NA	NA	NA	Continuous	Recorder
BOD ₅ , mg/L	45	NA	NA	NA	Monthly	Composite
TSS, mg/L	45	65	NA	NA	Weekly	Composite
pH, SU	NA	NA	6.0	9.0	Weekly	Grab
<i>E. coli</i> , No./100mL	126	NA	NA	500	Weekly	Grab
Selenium, µg/l	NA	NA	NA	NA	Monthly	Grab

PERMIT DURATION

It is recommended that this permit modification be effective through the current permit expiration date, January 31, 2022.

Drafted by
 Discharge, Leanna Littler
 Reuse, Sarah Leavitt Ward
 Utah Division of Water Quality
 Permit Modification Drafted Month XX, 2020