

**FACT SHEET STATEMENT OF BASIS
SOUTH DAVIS SEWER DISTRICT NORTH TREATMENT PLANT
PERMIT MODIFICATION
UPDES PERMIT NUMBER: UT0021636
MAJOR MUNICIPAL FACILITY**

FACILITY CONTACTS

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West Bountiful, UT 84087

DESCRIPTION OF PERMIT MODIFICATION

The South Davis Sewer District (SDSD) requested consideration of mass (lbs/day) based limits for Total Ammonia [as N] at their North Plant. The North Plant historically has been unable to meet monthly average concentration (mg/L) limits of Total Ammonia [as N] in the winter months (Nov-Feb). The concentration (mg/L) limits in their permit were based on a design flow of 12 MGD, but the North Plant currently discharges closer to 7.5 MGD.

On April 2, 2020 the wasteload analysis for Ammonia for the South Davis Sewer District was updated to take into consideration an analysis that was performed to determine whether a Total Ammonia [as N] mass (lbs/day) based limit would meet in stream criteria at the projected 5-year discharge rate of 7.5 MGD at the North Plant. At the projected 5-year discharge rate at the North Plant, the load limit only met the criteria during the months where ELS was absent (Nov– Feb). Therefore, concentration (mg/L) limits will apply during the months where ELS are present (March –October).

The North Plant will have monthly average mass (lbs/day) based limits November through February. These mass (lbs/day) based limits will be re-evaluated during the next permit renewal. During the permit renewal process the Director will determine whether the facility will receive updated mass (lbs/day) based monthly average limits based on 5-year projected flow or if the facility will be required to meet a concentration (mg/L) based monthly average limits based on the most up to date wasteload analysis.

Below is a table summarizing the changes to the monthly average Total Ammonia [as N] limits, where changes are highlighted in **Red**:

Parameter	Old Limit	New Limit	
	Monthly Average, mg/L	Monthly Average, lbs/day	Monthly Average, mg/L
Total Ammonia [as N]			
Summer (Jul-Sep)	8.0	-	8.0
October	8.0	-	8.0
Fall (Nov-Dec)	10.0	1,001	-
Winter (Jan-Feb)	12.0	1,202	-
March	8.0	-	8.0
Spring (Apr-Jun)	12.0	-	12.0

If the Director determines during the next permit renewal a monthly average concentration (lbs/day) based limits will apply, then SDDSD will be given updated concentration (mg/L) based limits based on the most up to date wasteload analysis available. Below is a table summarizing the concentration based limits that will apply to the North Plant based on the most up to date wasteload analysis available:

Parameter	Monthly Average, mg/L
Total Ammonia [as N]	
Summer (Jul-Sep)	8.0
October	8.0
Fall (Nov-Dec)	10.0
Winter (Jan-Feb)	12.0
March	8.0
Spring (Apr-Jun)	12.0

The above concentration (mg/L) limits are subject to change during the next permit renewal, when the waste load analysis will be updated.

PERMIT DURATION

It is recommended that this permit modification be effective through the current permit expiration date, November 30, 2021.

Drafted by
 Leanna Littler, Discharge
 Nick von Stackelberg, P.E., Wasteload Analysis
 Utah Division of Water Quality
 (801) 536-4300

PUBLIC NOTICE

Began:

Ended:

Comments will be received at: 195 North 1950 West
 PO Box 144870
 Salt Lake City, UT 84114-4870

The Public Noticed of the draft permit was published in the Tribune and Deseret News.

During the public comment period provided under 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 R317-8-6.12.

ADDENDUM TO FSSOB

During finalization of the Permit certain dates, spelling edits and minor language corrections may have been completed. Due to the nature of these changes they were not considered Major and the permit is not required to be re Public Noticed.

DWQ-2020-020350