Official Draft Public Notice Version **October 22, 2025**
The findings, determinations, and assertions contained in this document are not final and subject to change following the public comment period.

FACT SHEET
SALT LAKE CITY WATER RECLAMATION FACILITY
DISCHARGE PERMIT MODIFICATION
UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES)
UPDES PERMIT NUMBER: UT0021725
MAJOR MUNICIPAL FACILITY

FACILITY CONTACTS

Person Name:	Jamey N. West
Position:	Water Reclamation Administrator
Person Name:	Jose Rubalcaba
Position:	Water Reclamation Facility Operations Manager
Person Name:	Terrance Price
Position:	Regulatory Compliance Manager
Person Name:	Laura Briefer
Position:	Public Utilities Director
Permittee Name:	Salt Lake City Department of Public Utilities
Facility Name:	Salt Lake City Water Reclamation Facility
Facility Address:	1365 West 2300 North Salt Lake City, Utah 84116
Telephone:	801-799-4000
Mailing Address:	2020 North Redwood Road Salt Lake City, UT 84116

DESCRIPTION OF FACILITY

The Salt Lake City Water Reclamation Facility (SLCWRF), originally constructed in 1965 is located in the northern portion of Salt Lake County, Utah with a resident population of approximately 200,500 people, with approximately 91,000 equivalent residential sewer connections, and with both commercial and industrial facilities located within its service boundaries. Since initial construction, SLCWRF has completed numerous upgrades, improvements, and expansions to the original facility. Currently a completely new wastewater treatment facility is under construction, with an anticipated completion date in July 2026. As part of the new SLCWRF project, the discharging Outfall 003 is being relocated.

Therefore, SLCWRF has requested a permit modification to relocate the discharge location coordinates for Outfall 003 from its current location to a new nearby location into the same receiving water. Since it is unknown exactly when the new outfall location will fully replace the existing outfall location, SLCWRF has requested that the new Outfall location (Outfall 003-B) be included along with the current Outfall location (Outfall 003-A) until relocation activities are completed and the new facility is fully operational. Once fully operational with the new Outfall 003-B in service, Outfall 003-A will then be decommissioned and removed from the permit as appropriate. The Outfall location change, as proposed, does not result in any further changes to the permit or discharge limitations as authorized therein. A summary of the permit modification follows in the next section of this Fact Sheet.

SUMMARY OF CHANGES FROM PREVIOUS PERMIT

There is only one change being proposed with this permit modification, as mentioned above. Outfall 003 is being relocated from its current location (Outfall 003-A) to a new nearby location (Outfall 003-B). The Outfall relocation request has been attached to this Fact Sheet for reference. The new Outfall coordinates will be known as Outfall 003-B, while the current Outfall coordinates will be known as Outfall 003-A and have been updated accordingly in the modified draft permit. As the receiving waterbody and flows have not changed, no Level II Anti-degradation Review is required.

This change is the only change being proposed with this permit modification that is subject to public comment during the public notice period. All other permit monitoring requirements remain unopened and unchanged as appropriate.

DESCRIPTION OF DISCHARGE OUTFALLS

The permitted discharge outfalls are as follows:

Outfall Numbers	Location of Discharge Outfalls
001	Located at latitude 40º49’54.9” N and longitude 111º56’09.5” W. Discharging a portion of the total effluent flows to future wetlands. After passing through the wetlands the effluent discharges directly to the Northwest Oil Drain Canal.
003-A	Located at latitude 40º48’47.5” N and longitude 111º55’46.3” W. Primary effluent flow discharging from the existing facility directly to the Northwest Oil Drain Canal.
003-B	Located at latitude 40º48.83062 (N) and longitude - 111º55.77433 (W). Primary effluent flow discharging from the new facility directly to the Northwest Oil Drain Canal.

The Permittee is expected to be able to continue complying with the following effluent limitations, self-monitoring, and reporting requirements for all Outfalls as permitted:

Parameter	Effluent Limitations *a				
	Maximum Monthly Avg	Maximum Weekly Avg	Yearly Average	Daily Minimum	Daily Maximum
Total Flow, MGD *b, *c	56	--	--	--	Report
BOD_5, mg/L	25	35	--	--	--
BOD_5 Min. % Removal	85	--	--	--	--
TSS, mg/L	25	35	--	--	--
TSS Min. % Removal	85	--	--	--	--
E. coli, No./100mL	126	158	--	--	--
Total Ammonia (as N), mg/L					
Interim limits 1-1-2025 – 12/31/2027:					
Summer (June-July-Aug)	16.1	--	--	--	--
Fall (Sept-Oct-Nov)	17.8	--	--	--	--
Winter (Dec-Jan-Feb)	20.8	--	--	--	--
Spring (Mar-Apr-May)	20.7	--	--	--	--
Final limits beginning 1/1/2028:					
Summer (June-July-Aug)	5.4	--	--	--	12.8
Fall (Sept-Oct-Nov)	5.9	--	--	--	17.7
Winter (Dec-Jan-Feb)	11.8	--	--	--	15.1
Spring (Mar-Apr-May)	5.8	--	--	--	15.1
WET, Acute Biomonitoring	--	--	--	--	LC_{50}> 100% effluent
WET, Chronic Biomonitoring	--	--	--	--	Report
pH, Standard Units	--	--	--	6.5	9.0
Dissolved Oxygen, mg/L	--	--	--	Report	Report
Oil & Grease, mg/L *e	--	--	--	--	10.0
TRC, mg/L	Report	--	--	--	Report
Total Phosphorus (as P), mg/L					
Interim limit 1/1/2025 – 12/31/2025	--	--	3.0	--	--
Interim limit 1/1/2026 – 12/31/2026	--	--	2.5	--	--
Interim limit 1/1/2027 – 12/31/2027	--	--	2.0	--	--
Final limit beginning 1/1/2028	--	--	1.0	--	--

Outfalls 003-A & 003-B Self-Monitoring and Reporting Requirements *a			
Parameter	Frequency	Sample Type	Units
Total Flow *b, *c	Continuous	Recorder	MGD
BOD_5, Influent *d Effluent	6 x Week 6 x Week	Composite Composite	mg/L mg/L
TSS, Influent *d Effluent	6 x Week 6 x Week	Composite Composite	mg/L mg/L
E. coli	6 x Week	Grab	No./100mL
pH	6 x Week	Grab	SU
TRC	6 x Week	Grab	mg/L
WET, Acute Biomonitoring *f	Monthly	Composite	Pass/Fail
WET, Chronic Biomonitoring *f	Monthly	Composite	TU_c *g
Total Ammonia (as N)	3 x Week	Composite	mg/L
Dissolved Oxygen	3 x Week	Grab	mg/L
Oil & Grease *e	3 x Week	Visual/Grab	mg/L
Total Metals, *d, *h Influent Effluent	Monthly Monthly	Composite Composite	mg/L mg/L
Organic Toxic Pollutants, *d, *h Influent Effluent	Once every six Months Once every six Months	Grab Grab	mg/L mg/L
Orthophosphate (as P) Effluent	Monthly	Composite	mg/L
Total Phosphorus (as P), *d Influent Effluent	Monthly Monthly	Composite Composite	mg/L mg/L
Total Kjeldahl Nitrogen, TKN (as N) *d Influent Effluent	Monthly Monthly	Composite Composite	mg/L mg/L
Nitrate, NO3	Monthly	Composite	mg/L
Nitrite, NO2	Monthly	Composite	mg/L

*a See Definitions, Part VIII of the permit, for definition of terms. As in previous permits, routine monitoring is required at Outfall 003-A and 003-B only since any discharges via Outfall 001 are directly diverted from either Outfall 003 prior to discharge. However, a violation of any parameter from either Outfall 003 will also be viewed as a violation of the same parameter from Outfall 001.

*b Flow measurements of influent/effluent volume shall be made in such a manner that the permittee can affirmatively demonstrate that representative values are being obtained.

*c If the rate of discharge is controlled, the rate and duration of discharge shall be reported.

*d In addition to monitoring the final discharge, influent samples shall be taken and analyzed for this constituent at the same frequency as required for this constituent in the discharge.

*e Oil & Grease sampled when sheen is present or visible. If no sheen is present or visible, report NA.

*f As per Part I.C.3. of the permit, Acute and Chronic WET testing shall alternate **monthly** between the *Ceriodaphnia dubia* and the fathead minnows test species.

*g TUc (toxicity unit for chronic tests) is calculated by dividing the receiving water effluent concentration by the chronic test IC_{25}. $TU_c \leq 1.6$ is applicable when the receiving water effluent concentration is >50%. The TUc is an indicator and an exceedance is not used for determining compliance.

*h Total Metals and Organic Toxic Pollutant parameters shall be monitored as per Part II.F. of the permit. The Permittee is currently designing a new treatment facility. Therefore, the sampling will be suspended for Part II. F.1. until the new treatment facility is in a steady state or twelve months after the Director sends the letter indicating the facility is authorized to operate, whichever occurs first.

PERMIT DURATION

It is recommended that this modified permit be effective for the remainder of the five (5) year permit cycle, which is scheduled to expire December 31, 2029.

Drafted by:
Jeff Studenka, Discharge Permit Writer
Utah Division of Water Quality, (801) 536-4300

PUBLIC NOTICE INFORMATION (to be updated after)

Began: Month Day, Year
Ended: Month Day, Year

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

The Public Notice of the draft permit was published on State of Utah and/or DWQ's website for at least 30 days as required.

During the public notice and comment period provided under 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.

ADDENDUM TO FSSOB

During finalization of the Permit certain dates, spelling edits and minor language corrections were completed. Due to the nature of these changes, they are considered minor changes and the permit is not required to be re Public Noticed as provided in UAC R317-8-5.6(3)

Responsiveness Summary

(If applicable for any comments received and response sent. Actual letters can be referenced, but not required to be included).

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ATTACHMENT 1

Outfall Relocation Request

(DWQ-2025-008040)

Laura Briefer
Director

Department of
Public Utilities

October 15, 2025

Utah Department of Environmental Quality
Division of Water Quality
P.O. Box 144870
Salt Lake City, Utah 84114-4870

Subject: Request Location Change of Effluent Discharge Outfall - Salt Lake City Water Reclamation Facility

Dear Mr. Studenka,

UPDES Permit UT0021725 (Permit) identifies two outfalls, (i.e., Outfall 001 and Outfall 003). Outfall 003 is identified as the primary location where treated effluent flow from the Salt Lake City Water Reclamation Facility (SLCWRF) discharges directly into the Northwest Oil Drain Canal (Canal). The SLCWRF is constructing a new wastewater treatment facility (new WRF). As part of the treatment process, a new outfall was constructed and will be used to convey treated effluent directly from the new WRF to the Canal. The purpose of this letter is to request approval to change the location of Outfall 003 to the new effluent discharge location/outfall to discharge treated effluent from the new WRF into the Canal.

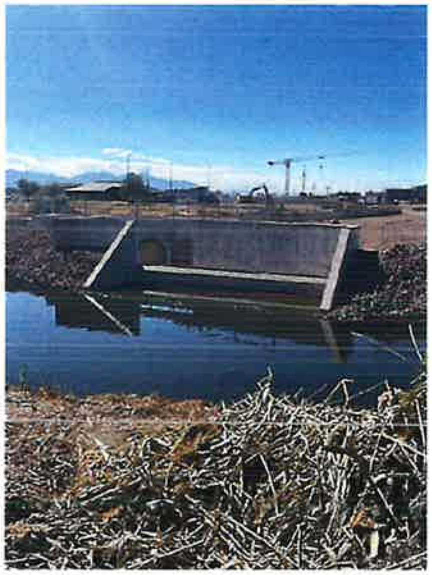
As indicated in the paragraph above, SLCWRF requests that the existing outfalls (i.e., 001 and 003) be retained and the location of Outfall 003 be modified from its current location to the location of the new WRF outfall structure. As part of this modification, we request the ability to discharge treated effluent simultaneously from the new WRF outfall structure as well as discharge from the existing WRF outfall structure (Outfall 003) during startup and commissioning of the new WRF. Moreover, because the new outfall may be used simultaneously with existing Outfall 003 to discharge treated effluent into the Canal, we request Outfall 003 be reidentified as Outfall 003A and the new outfall be identified as Outfall 003B. We believe this nomenclature will assist with future effluent monitoring and reporting when discharge occurs at both outfalls during startup and commissioning of the new WRF. The SLCWRF plans to decommission the existing WRF including Outfall 003A at a future date after the new WRF is commissioned and has sufficiently demonstrated steady state operations.

The new outfall, hereafter referred to as Outfall 003B (see photograph below), will contain treated effluent similar to the discharge described in the Permit. The SLCWRF does not anticipate adverse changes to effluent flow or characteristics. SLCWRF believes effluent data submitted with the Permit application and Discharge Monitoring Reports are representative; therefore, additional data has not been included with this request. Moreover, SLCWRF proposes that effluent monitoring, upon discharge at Outfall 003B, adheres to the Permit requirements for existing Outfall 003.

The latitude, longitude, and elevation for Outfall 003B are:

- latitude – 40°48.83062

- longitude – -111°55.77433
- Elevation – 4221.72



View of Proposed Outfall 003B

SLCWRF understands the Utah Department of Water Quality may charge a cost recovery fee of $125.00 per hour. SLCWRF is aggregable to such costs and requests that any related invoice be sent to:

Salt Lake City Water Reclamation Facility
2020 North Redwood Road
Salt Lake City Utah, 84116

We appreciate Utah Department of Water Quality's support in our efforts to provide wastewater treatment to Salt Lake City and its citizens. Please contact me should you have any questions or concerns at jamey.west@slc.gov or 801-799-4043.

Respectfully,

J. M. West

Jamey West
SLCWRF Administrator
Salt Lake City Corporation
Department of Public Utilities

cc: Jesse Stewart, Terrence Price, Jose Rubalcaba – SLCDPU File

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