



State of Utah

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Department of
Environmental Quality

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DIVISION OF WATER QUALITY
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Director

September 6, 2018

DIVISION OF WATER QUALITY
UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
PUBLIC NOTICE TO REISSUE A UPDES PERMIT

PURPOSE OF PUBLIC NOTICE

The purpose of this public notice is to solicit public comment regarding an Antidegradation Level II Review and an Addendum to the Wastewater Treatment Master Plan for Logan City. The Antidegradation Level II Review and the Addendum to the Wastewater Treatment Master Plan for Logan City has been reviewed by the Division of Water Quality. Once the public notice and comment process are completed, it is the Division of Water Quality's intention to formally approve the Antidegradation Level II Review and the Addendum to the Wastewater Treatment Master Plan for Logan City.

PERMIT INFORMATION

PERMITTEE NAME:	Logan City Corporation, Wastewater Treatment Plant
MAILING ADDRESS:	290 North 100 West
TELEPHONE NUMBER:	435-716-9752
FACILITY LOCATION:	West-Northwest of Logan City outfall 002, located on the easterly right-of-way off Benson Road and Swift Slough
UPDES PERMIT NO.:	UT0021920
PERMITTED OUTFALLS	001A, 001B, 002
RECEIVING WATER:	Ditches, Cutler Reservoir, and Swift Slough

BACKGROUND

The City of Logan (City) currently owns and operates a sewage lagoon system that provides wastewater treatment for the City and the surrounding communities of Hyde Park, Nibley, North Logan, Providence, River Heights, and Smithfield, as well as the Utah State University (USU). City of Logan proposes to construct a new mechanical wastewater treatment plant. The plant is necessary to meet the changes to the EPA ammonia standard. Logan City planned to replace the existing sewage lagoons with an 18-mgd 3-Stage Bardenpho Bioreactor mechanical treatment facility with tertiary filtration (mechanical treatment facility).

During the design phase, additional geotechnical investigations determined that the piles used to support the structures would need to be driven deeper to withstand required gravity and seismic loads significantly increasing the projected cost of the project. As a result, the facility is proposing using a ballasted activated sludge process, to increase plant capacity by achieving faster settling, which allows reduction in the footprint of the facility. The proposed mechanical treatment facility will be capable of complying with the new effluent water quality standards for phosphorus, ammonia and anticipated future total nitrogen permit limits of 10mg/L.

In accordance with the Utah Administrative Code (UAC R317-2-3), an antidegradation review (ADR) is required for a discharge permit requirement for any project that could increase the level of pollutants in

waters of the state. As required for new discharges and discharges to Class 1C drinking water sources, a Level II ADR was conducted for the proposed project.

PUBLIC COMMENTS

Public comments are invited any time prior to the deadline of the close of business on October 5, 2018. Written public comments can be submitted to: Lonnie Shull, UPDES Surface Water Section, Utah Division of Water Quality, P.O. Box 144870, Salt Lake City, Utah 84114-4870 or by email at: lshull@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 at <https://deq.utah.gov/water-quality/water-quality-public-notices>. If internet access is not available, a copy may be obtained by calling Lonnie Shull at 801-536-4394.