



State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF WATER QUALITY
John K. Mackey, P.E.
Director

Water Quality Board
Steven K. Earley, Chair
James Webb, Vice Chair
Carly Castle
Michela Harris
Joseph Havasi
Trevor Heaton
Michael D. Luers
Kimberly D. Shelley
John K. Mackey
Executive Secretary

MINUTES

UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY UTAH WATER QUALITY BOARD

MASOB
and
Via Zoom

April 26, 2023
8:30 am Meeting

UTAH WATER QUALITY BOARD MEMBERS PRESENT

Steven Earley
Carly Castle
Joe Havasi
Trevor Heaton
Mike Luers
Excused
Michela Harris
James Webb

DIVISION OF WATER QUALITY STAFF MEMBERS PRESENT

John Mackey	Leanna Littler-Woolf
Emily Cantón	Robert Beers
Ken Hoffman	Adriana Hernandez
Clanci Hawks	Alex Heppner
Glen Lischeske	Lonnie Shull
Julian Carroll	Beth Wondimu
Jeff Studenka	Skyler Davies

OTHERS PRESENT & ONLINE

Haley Sousa	Utah Attorney General's Office
Julianna Slurzberg	Utah Attorney General's Office
Chris Anderson	
Soren Simonsen	Joran River Commission
Jessie Wilson	
Ben Cory	
Ted Mickleson	
Craig Giles	
Conner Kenzler	
Mario	
Chris Anderson	
Melissa Reynolds	
S. Boardbent	

Mr. Earley called the Meeting to order at 8:30 AM.

ROLL CALL

Mr. Earley took roll call for the members of the Board.

APPROVAL OF MINUTES OF MARCH 22, 2023 BOARD MEETING

Motion: Mr. Trevor moved to approve the minutes of the March 22, 2023 Board meeting.

Mr. Havasi seconded the motion. The motion passed unanimously.

EXECUTIVE SECRETARY REPORT

Mr. Mackey addressed the Board regarding the following.

- WEAU Conference: Staff attended 3.5 days of technical training, peer & stakeholder networking, Op Challenge team representing DWQ.
- April 20, 2023 Earth Day, staff service on Jordan River cleanup sponsored by JR Commission.
- Flooding Reports, DEQ Webpage info includes permitting, fact sheets and general info and links.
Kim Shelley's service project for DEQ was sandbagging with the Lt. Governor and Mayor Kafusi.
- WOTUS preliminary injunction granted, enjoined the government from implementing 2023 WOTUS in 24 states including Utah.
- Clean Water Needs Survey completed. Utah finds among 190 facilities a need of \$8.6 billion dollars.

- GSL Wildlife (fish, waterfowl eggs, & invertebrates) Selenium results conclude that the GSL waterfowl are protected under the current standard.
- DWQ Monitoring team is gearing up for next season of state-wide water quality and habitat monitoring. Jordan River will be the next basin of intensive monitoring.
- Notification of \$13.3 Million grant funding by 2023 Legislature for Graveyard Wash Water Reuse Reservoir in Washington County.
- Introduced Adriana Hernandez, DWQ's new Contracts Analyst.

OTHER

Financial Status Report: Ms. Cantón presented the financial status report to the Board as indicated in the packet.

Grantsville City – Design Advance: Mr. Lischeske presented the Grantsville City request for a Design Advance.

Grantsville City is a community with a current population of approximately 13,547. While the City is still considered a small town, it is experiencing substantial growth and is estimated to have a population of over 45,000 in the next 20 years. The City owns and operates its own wastewater system, including wastewater treatment.

The current Grantsville City wastewater treatment plant (WWTP) consists of a pump station, headworks building (screening and grit removal), aerated and storage lagoons, and disinfection. Though the existing WWTP is designed to treat up to 1.5 Million Gallons per Day (MGD) it is limited in its actual capacity due to its limited ability to meet the more stringent effluent nutrient requirements (phosphorus) implemented in the 2019 permit. The average daily flows to the WWTP are 0.86 MGD with peak day flows at 0.95 MGD and have been as high as 1.39 MGD. WWTP improvements and expansion is necessary to meet the nutrient requirements and accommodate future growth.

The City's preferred alternative is to upgrade to a new 3 MGD (average daily flow), 7 MGD (peak hourly flows), fine bubble diffuser activated sludge plant. This is expected to successfully, and most cost effectively, meet the treatment performance objective for the next 20 years. The design will also include future expansion capabilities. It is anticipated that the treatment facilities will include a new headworks building, anaerobic basins, anoxic basins, fine bubble diffuser aeration basins, blower equipment building, secondary clarifiers, and tertiary equipment to meet Type I reuse requirements. While a few locations were considered in the study, the preferred location for the new treatment facility is near the existing WWTP on City owned property which better accommodates connection to the existing infrastructure and future use of existing facilities for reuse storage.

The community has been setting aside funding for the project, but to align with the timing of the permit requirements for phosphorus, the need to begin design for the project is immediate and cannot be completely covered by collected funds at this time. Funding that has been set aside will be used during the engineering phase and is listed below in the Cost Estimate.

The City is also conducting a sewer rate and impact fee study, which includes the cost for the new treatment plant. This should be completed by the time construction funding is needed which will allow them to repay the debt service.

The estimated cost for design services is \$1,485,000, including \$1,450,000 for consulting services and \$35,000 additional for Administration and Legal services. The City will provide a local contribution of \$485,000, bringing the total amount requested from the board to \$1,000,000.

Motion: Mr. Luers moved to authorize the Grantsville City Design Advance in the amount of \$300,000 with the following special conditions:

- 1. The Division of Water Quality must approve the engineering agreement and plan of design before the advance will be executed.**
- 2. The Design Advance must be expeditiously repaid to the Board once long-term project financing has been secured. The City must agree to participate annually in the Municipal Wastewater Planning Program (MWPP).**
- 3. As part of the facility planning, the City must complete a Water Conservation and Management Plan.**

Mr. Havasi seconded the motion. The motion passed unanimously.

Spring City – Design Advance: Mr. Hoffman presented the Spring City request for a Design Advance.

Spring City has approximately 438 sewer connections on the collection system. This includes 426 residential, 4 commercial, 7 institutional, and 1 City connection. The City sewer collection system was installed in the 1990's, when most of the homes were located in the western two thirds of the City limits. Since the 1990's nearly all of the growth in the city has extended to the east and to the north parts of the City. The planning growth rate is 1.5%, which would result in 6 to 7 new homes per year for the next 5 years.

Most homes that have been built since that time were more than 300 feet away from existing sewer line. The number of homes is estimated to be approximately 30 to 40. These homes have installed septic tanks but they are currently existing in an area that would benefit from sewer connection. The City is concerned about the increasing number of septic tanks and their potential impact on the City's groundwater source. Spring City intends to extend the existing sewer collection system in order to service all homes within the city limits. Existing homes that are currently on septic tanks will be encouraged to connect to sewer, and all new homes within city limits will be required to connect to the sewer collection system.

The project will extend the sewer collection system to 700 East and 950 North. A new interceptor pipeline will connect the extensions on the north end of the system to the lagoons. This interceptor line will include a creek crossing, highway crossing, and will likely involve the construction of deep sewer (greater than or equal to 12 feet of depth) for a portion of the alignment west of the highway. A new interceptor line will run from 950 N to the sewer lagoons. The interceptor line will take the sewage from the extended area to the lagoons for treatment. The improvements will consist of approximately 25,200 feet of new sewer pipe and new manholes.

The City has completed a Wastewater Improvements Preliminary Engineering Report (PER) in November 2022, prepared by Sunrise Engineering. The PER provided an overview of the system and options for extending the collection system. This report provides the more detailed evaluation of the system and the feasibility of the collection system improvements.

The total cost of the project is estimated at \$5,063,200. Spring City has applied to USDA-RD requesting \$4,674,200 in construction funding to complete the project. The City is requesting \$289,000 from the Water Quality Board to fund design work. In addition, a local share of \$100,000 will be for design phase to have sufficient funds to cover the full extent of the preconstruction costs.

The City is proposing to construct an extension of the sewer collection system. The City proposes the following items: install approximately 21,000 liner feet of 8-inch pvc sewer lines, install approximately 4,165 liner feet of 10-inch pvc sewer lines, install 63 manhole of 48-inch, and install new interceptor sewer.

Spring City (the City) is requesting a \$289,000 design advance to cover pre-construction costs related to extension of the sewer collection system project. Six Alternatives were evaluated by the city. The recommended alternative is No. 3, which is the sewer collection system to 950 North and 700 East providing connectivity within 300 feet of properties within City limit and constructing a new interceptor line from 950 N to the lagoons.

Motion: Mr. Luers moved to authorize the Spring City Design Advance in the amount of \$289,000 with the following special conditions:

- 1. The Division of Water Quality must approve the engineering agreement and plan of design before the advance will be executed.**
- 2. The Design Advance must be expeditiously repaid to the Board once long-term project financing has been secured.**
- 3. The City must agree to participate annually in the Municipal Wastewater Planning Program (MWPP).**
- 4. As part of the facility planning, the City must complete a Water Conservation and Management Plan as indicated in the packet.**

Mr. Heaton seconded the motion. The motion passed unanimously.

PUBLIC COMMENTS

Soren Simonsen with the Jordan River Commission made a public comment to thank DEQ for their assistance with the Jordan River cleanup project. In addition, he thanked Paul Burnett and Sandy Wingert of the Division of Water Quality for their work in assisting with the Big Bend nonpoint source project and the application for the American the Beautiful grant.

MEETING ADJOURNMENT

Motion: Mr. Havasi moved to adjourn the meeting.

Mr. Heaton seconded the motion. The motion passed unanimously.

**Next Meeting – May 24, 2023
Meeting begins at 8:30 am**

**In-Person
MASOB
195 North 1950 West
Salt Lake City, UT 84116**

Via Zoom
<https://us02web.zoom.us/j/7074990271>

Steven Earley
Steven Earley (May 31, 2023 18:13 MDT)

Steven Earley, Chair
Utah Water Quality Board