



Santaquin City Resolution 04-02-2024

MUNICIPAL WASTEWATER PLANNING PROGRAM

WHEREAS, the City of Santaquin is a fourth class city in the State of Utah and operates a Wastewater Collection and Treatment System; and


WHEREAS, the Utah Division of Water Quality requires of the Santaquin City Public Works Department an annual Wastewater Planning Program Report; and

WHEREAS, the Utah Division of Water Quality desires formal action of the Santaquin City Council to review said report prior to its submission to the division;

NOW, THEREFORE, BE IT RESOLVED, that the Santaquin City Council informs the Water Quality Board that the following actions were taken by the City Council:

1. Reviewed the attached Municipal Wastewater Planning Program Report for 2024 (See Attached)
2. Have taken all appropriate actions necessary to maintain effluent requirements contained in the UPDES Permit (If Applicable)

Approved and adopted by the Santaquin City Council this 30th day of April, 2024

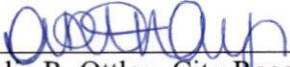

Daniel M. Olson, Mayor



Councilmember Art Adcock
Councilmember Brian Del Rosario
Councilmember Travis Keel
Councilmember Lynn Mecham
Councilmember Jeff Siddoway

Voted YES
Voted YES
Voted YES
Voted YES
Voted YES

Attest:



Amalie R. Ottley, City Recorder

Full MWPP Survey - 2024

Google Forms <forms-receipts-noreply@google.com>

Fri 4/12/2024 12:10 PM

To: Jason Callaway <JCallaway@santaquin.org>



Thanks for filling out [Full MWPP Survey - 2024](#)

Here's what was received.

[Edit response](#)

Full MWPP Survey - 2024

Municipal Wastewater Planning Program survey for 2024.

Email *

jcallaway@santaquin.org

Section I: General Information

Name of the Facility? *

Santaquin Water Reclamation Facility

What is the name of the person responsible for this organization?

*

Dan Olson

What is the title of the person responsible for this organization? *

Mayor

What is the email Address for the person responsible for this organization? *

mayor@santaquin.org

What is the phone number for the person responsible for this organization? *

801-754-3211x207

Facility Location? *

Please provide either Longitude and Latitude, address, or a written description of the location (with area or point).

1215 North Center Santaquin Utah, 84655

Federal Facility Section

Are you a federal facility?

A federal facility is a military base, a national park, a facility associated with the forest service, etc.

Yes

No

Financial Evaluation Section

This form is completed by [name]? *

Jason Callaway

Part I: GENERAL QUESTIONS

Please answer the following questions regarding GENERAL QUESTIONS.

Are sewer revenues maintained in a dedicated purpose enterprise/district account?

- Yes
 No

Are you collecting 95% or more of your anticipated sewer revenue?

*

- Yes
 No

Are Debt Service Reserve Fund requirements being met?

- Yes
 No

Where are sewer revenues maintained?

- General Fund
 Combined Utilities Fund
 Other

What was the average annual User Charge for 2023?

If there is more than one rate divide the total municipal yearly User Charge collected, by the total number of connections.

524.71

Do you have a water and/or sewer customer assistance program (CAP)?

Yes

No

Part II: OPERATING REVENUES AND RESERVES

Please answer the following questions regarding OPERATING REVENUES AND RESERVES.

Are property taxes or other assessments applied to the sewer systems?

Yes

No

Revenue from these taxes =

N/A

Are sewer revenues sufficient to cover operations & maintenance costs, and repair & replacement costs (OM&R) at this time?

Yes

No

Are projected sewer revenues sufficient to cover operation, maintenance, and repair (OM&R) costs for the next five years?

- Yes
 No

Does the sewer system have sufficient staff to provide proper OM&R?

- Yes
 No

Has a repair and replacement sinking fund been established for the sewer system?

- Yes
 No

Is the repair & replacement sinking fund sufficient to meet anticipated needs?

- Yes
 No

Part III: Capital Improvements, Revenues and Reserves.

Please answer the following questions regarding Capital Improvements, Revenues and Reserves.

Are sewer revenues sufficient to cover all costs of current capital improvements projects?

- Yes
 No

Has a Capital Improvements Reserve Fund been established to provide for anticipated capital improvement projects?

Yes

No

Are projected Capital Improvements Reserve Funds sufficient for the next five years?

Yes

No

Are projected Capital Improvements Reserve Funds sufficient for the next ten years?

Yes

No

Are projected Capital Improvements Reserve Funds sufficient for the next twenty years?

Yes

No

Part IV: FISCAL SUSTAINABILITY REVIEW

Please answer the following questions regarding FISCAL SUSTAINABILITY REVIEW.

Have you completed a rate study within the last five years?

Yes

No

Do you charge Impact fees?

Yes

No

Impact Fee (if not a flat fee, use average of all collected fees) =

\$5,096.30

Have you completed an impact fee study in accordance with UCA 11-36a-3 within the last five years?

Yes

No

Do you maintain a Plan of Operations?

Yes

No

Have you updated your Capital Facility Plan within the last five years?

Yes

No

In what year was the Capital Facility Plan last updated?

2023

Do you use an Asset Management system for your sewer systems?

- Yes
 No

Do you know the total replacement cost of your sewer system capital assets?

- Yes
 No

Replacement Cost =

\$29,252,613

Do you fund sewer system capital improvements annually with sewer revenues at 2% or more of the total replacement cost?

- Yes
 No

What is the sewer/treatment system annual asset renewal cost as a percentage of its total replacement cost?

8.01

Describe the Asset Management System.

Check all that apply

- Spreadsheet
- GIS
- Accounting Software
- Specialized Software

Please answer the following: - 2023 Capital Assets Cumulative Depreciation?

\$16,393,701

Please answer the following: - 2023 Capital Assets Book Value?

Book Value = total cost - accumulated depreciation

\$12,858,912

Part V: PROJECTED CAPITAL INVESTMENT COSTS

Please answer the following questions regarding PROJECTED CAPITAL INVESTMENT COSTS.

Cost of projected capital improvements - Please enter a valid numerical value. - 2023?

\$75,000

Cost of projected capital improvements - Please enter a valid numerical value. - 2024 through 2028?

\$15,717,019

Cost of projected capital improvements - Please enter a valid numerical value. - 2029 through 2033?

\$37,500,000

Cost of projected capital improvements - Please enter a valid numerical value. - 2034 through 2038?

\$4,112,500

Cost of projected capital improvements - Please enter a valid numerical value. - 2039 through 2043?

2,333,900

Purpose of Capital Improvements - 2023?

Check all that apply.

- Replace/Restore
- New Technology
- Increased Capacity

Purpose of projected Capital Improvements - 2024 through 2028?

Check all that apply.

- Replace/Restore
- New Technology
- Increased Capacity

Purpose of projected Capital Improvements - 2029 through 2033?

Check all that apply.

- Replace/Restore
- New Technology
- Increased Capacity

Purpose of projected Capital Improvements - 2034 through 2038?

Check all that apply.

- Replace/Restore
- New Technology
- Increased Capacity

Purpose of projected Capital Improvements from 2039 through 2043?

Check all that apply.

- Replace/Restore
- New Technology
- Increased Capacity

To the best of my knowledge, the Financial Evaluation section is completed and accurate.

- True
- False

Note: This questionnaire has been compiled for your benefit to assist you in evaluating the technical and financial needs of your wastewater systems. If you received financial assistance from the Water Quality Board, annual submittal of this report is a condition of the assistance. Please answer questions as accurately as possible to give you the best evaluation of your facility. If you need assistance

please send an email to wqinfodata@utah.gov and we will contact you as soon as possible. You may also visit our [Frequently Asked Questions](#) page.

Do you have a collection system?

The answer to this question is obvious in most cases, but for clarification, some wastewater systems consist of only wastewater collections (answer Yes). Some wastewater systems do not have a collection system but receive wastewater from separate collection system jurisdictions (answer No). Some wastewater systems have treatment and collections and consider their entire system as one entity (answer Yes). Some wastewater systems have treatment and collections, but consider their collections a separate entity from treatment (answer No). If you have treatment but have an independent collection system and you answered "No," you must enter your collection system separately as an independent response to the survey.

Yes

No

Collection System

The collection of wastewater in a system of pipes and possibly pump stations that deliver wastewater to a treatment system that may or may not be independent of the treatment system.

This form is completed by [name]?

The person completing this form may receive Continuing Education Units (CEUs).

Jason Callaway

Part I: SYSTEM DESCRIPTION

Please answer the following questions regarding SYSTEM DESCRIPTION.

What is the largest diameter pipe in the collection system?

Please enter the diameter in inches.

18"

What is the average depth of the collection system?

Please enter the depth in feet.

10'

What is the total length of sewer pipe in the collection system?

Please enter the length in miles.

.....

How many lift/pump stations are there in the collection system?

2

What is the largest capacity lift/pump station in the collection system?

Please enter the design capacity in gpm.

1400

Do seasonal daily peak flows exceed the average peak daily flow by 100 percent or more?

Yes

No

What year was your collection system first constructed (approximately)?

1994

In what year was the largest diameter sewer pipe in the collection system constructed, replaced or renewed?

If more than one, cite the oldest.

2013

Part II: DISCHARGES

Please answer the following questions regarding DISCHARGES.

How many days last year was there a sewage bypass, overflow or basement flooding in the system due to rain or snowmelt?

0

How many days last year was there a sewage bypass, overflow or basement flooding due to equipment failure (except plugged laterals)?

0

Sanitary Sewer Overflow (SSO)

Class 1 - a Significant SSO means a SSO backup that is not caused by a private lateral obstruction or problem that:

- (a) affects more than five private structures;
- (b) affects one or more public, commercial or industrial structure(s);
- (c) may result in a public health risk to the general public;
- (d) has a spill volume that exceeds 5,000 gallons, excluding those in single private structures; or
- (e) discharges to Waters of the State.

Class 2 - a Non-Significant SSO means a SSO or backup that is not caused by a private lateral obstruction or problem that does not meet the Class 1 SSO criteria

What is the number of Class 1 SSOs in Calendar year 2023?

0

What is the number of Class 2 SSOs in Calendar year 2023?

0

Please indicate what caused the SSO(s) in the previous question.

N/A

Please specify whether the SSOs were caused by contract or tributary community, etc.

N/A

Part III: NEW DEVELOPMENT

Please answer the following questions regarding NEW DEVELOPMENT.

Did an industry or other development enter the community or expand production in the past two years, such that flow or wastewater loadings to the sewerage system increased by 10% or more?

Yes

No

Are new developments (industrial, commercial, or residential) anticipated in the next 2 - 3 years that will increase flow or BOD5 loadings to the sewerage system by 25% or more?

Yes

No

What is the number of new commercial/industrial connections in 2023?

0

What is the number of new residential sewer connections added in 2023?

239

How many equivalent residential connections are served?

5027

Part IV: OPERATOR CERTIFICATION

Please answer the following questions regarding OPERATOR CERTIFICATION.

How many collection system operators do you employ?

5

What is the approximate population served?

19,102

State of Utah Administrative Rules require all public system chief operators considered to be in Direct Responsible Charge (DRC) to be appropriately certified at no less than the Facility's Grade. List the designated Chief Operator/DRC for the Collection System by: First and Last Name, Grade, and email.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Gregg Hiatt Grade II ghiatt@santaquin.org

Please list all other Collection System operators with DRC responsibilities in the field, by name and certification grade. Please separate names and certification grade for each operator by commas.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Jason Callaway Grade II, Tanner Child Grade IV

Please list all other Collection System operators by name and certification grade.
Please separate names and certification grades for each operator by commas.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Pat Hiatt Grade II, Shad Eva Grade II

Is/are your collection DRC operator(s) currently certified at the appropriate grade for this facility?

Yes

No

Part V: FACILITY MAINTENANCE

Please answer the following questions regarding FACILITY MAINTENANCE.

Have you implemented a preventative maintenance program for your collection system?

Yes

No

Have you updated the collection system operations and maintenance manual within the past 5 years?

Yes

No

Do you have a written emergency response plan for sewer systems?

Yes

No

Do you have a written safety plan for sewer systems?

Yes

No

Is the entire collections system TV inspected at least every 5 years?

Yes

No

Is at least 85% of the collections system mapped in GIS?

Yes

No

Part VI: SSMP EVALUATION

Please answer the following questions regarding SSMP EVALUATION.

Have you completed a Sewer System Management Plan (SSMP)?

Yes

No

Has the SSMP been adopted by the permittee's governing body at a public meeting?

Yes

No

Has the completed SSMP been public noticed?

- Yes
 No

SSMP Public Notice Date

Date of public notice?

MM DD YYYY

10 / 01 / 2015

Continue 1

During the annual assessment of the SSMP, were any adjustments needed based on the performance of the plan?

- Yes
 No

What adjustments were made to the SSMP (i.e. line cleaning, CCTV inspections, manhole inspections, and/or SSO events)?

N/A

During 2023, was any part of the SSMP audited as part of the five year audit?

- Yes
 No

If yes, what part of the SSMP was audited and were changes made to the SSMP as a result of the audit?

N/A

Have you completed a System Evaluation and Capacity Assurance Plan (SECAP) as defined by the Utah Sewer Management Plan?

Yes

No

Part VII: NARRATIVE EVALUATION

Please answer the following questions regarding NARRATIVE EVALUATION.

Describe the physical condition of the sewerage system: (lift stations, etc. included)

Santaquin City has a relative new collection system. It was constructed in 1994 with concrete manholes and plastic pipe. We have very little I & I. Manholes and collection lines have been inspected every year for the last five years. The entire system is cleaned and video inspected on a seven year rotation. We have very little deterioration in our manholes and very little protrusion from roots in the areas that we have video inspected. We feel that because of the very few issues we have found in our collection system and higher costs of doing the inspections a two year rotation will be satisfactory. Our lift station was constructed in 2007 with a major upgrade in 2013 when our new mechanical plant came online. We will be doing another upgrade to this in 2024-2025 time frame. This will give us more capacity and redundancy.

What sewerage system capital improvements does the utility need to implement in the next 10 years?

Install 18" Sewer Main Along Strawberry Canal Road from 400 East to 100 East. Install 10" & 15" Pipe along 400 East from 530 North to Strawberry Canal Road and Remove Pipe on 530 North. Install 8" Sewer Main from west to 14400 South (county) and Summit Ridge Parkway. Install 8" Sewer Main along Center Street from 100 South to Manhole at 70 South.

What sewerage system problems, other than plugging, have you had over the last year?

We have experienced concentrations of grease in our lift station at times. We are working with our businesses to help them understand how important it is to clean the grease interceptors they are responsible for.

Is your utility currently preparing or updating its capital facilities plan?

Yes

No

Does the municipality/district pay for the continuing education expenses of operators?

100%

Partially

Does not pay

Is there a written policy regarding continued education and training for wastewater operators?

Yes

No

Do you have any additional comments?

N/A

To the best of my knowledge, the Collections System section is completed and accurate

True

False

Note: This questionnaire has been compiled for your benefit to assist you in evaluating the technical and financial needs of your wastewater systems. If you received financial assistance from the Water Quality Board, annual submittal of this report is a condition of the assistance. Please answer questions as accurately as possible to give you the best evaluation of your facility. If you need assistance please send an email to wqinfodata@utah.gov and we will contact you as soon as possible. You may also visit our Frequently Asked Questions page.

Wastewater Treatment Options

You have either just completed or just bypassed questions about a Collection System. This section (the questions below) determines the next set of questions that you will be presented based on the choice you make for treatment.

What kind of wastewater treatment do you have in your wastewater treatment system?

If you have treatment, you must choose from Mechanical Plant, Discharging Lagoon, or Non-Discharging Lagoon. If you don't have treatment then choose "No Treatment." Choose only one answer.

- Mechanical Plant
- Discharging Lagoon
- Non-Discharging Lagoon
- No Treatment of Wastewater

Mechanical Plant

Form completed by [name]?

The person completing this form may receive Continuing Education Units (CEUs).

Jason Callaway

Part I: INFLUENT INFORMATION

Please answer the following questions regarding INFLUENT INFORMATION.

What is the design basis or rated capacity for average daily flow in MGD?

1.0

What is the design basis or rated capacity for average daily BOD loading in lb/day?

2085

What is the design basis or rated capacity for average daily TSS loading in lb/day?

2085

What was the 2023 average daily flow in MGD?

.867

What was the 2023 average daily loading for BOD in lb/day?

1822

What was the 2023 average daily loading for TSS in lb/day?

2386

What is the percent of capacity used by the 2023 average daily flow?

87%

What is the percent of capacity used by the 2023 average daily BOD load?

87%

What is the percent of capacity used by the 2023 average daily TSS?

114%

Part II: EFFLUENT INFORMATION

Please answer the following questions regarding EFFLUENT INFORMATION.

How many Notices of Violations (NOVs) did you receive for this facility in 2023?

0

How many days in the past year was there a bypass or overflow of wastewater at the facility due to high flows?

0

Part III: FACILITY AGE

Please answer the following questions regarding FACILITY AGE.

In what year was your HEADWORKS evaluated?

2023

In what year was your HEADWORKS most recently constructed, upgraded, or renewed?

2013

What is the age of your HEADWORKS?

10

In what year was your PRIMARY TREATMENT evaluated?

2023

In what year was your PRIMARY TREATMENT constructed, upgraded or renewed?

2013

What is the age of your PRIMARY TREATMENT?

10

In what year was your SECONDARY TREATMENT evaluated?

2023

In what year was your SECONDARY TREATMENT constructed, upgraded or renewed?

2013

What is the age of your SECONDARY TREATMENT?

10

In what year was your TERTIARY TREATMENT evaluated?

2023

In what year was your TERTIARY TREATMENT constructed, upgraded or renewed?

2019

What is the age of your TERTIARY TREATMENT?

10

In what year was your SOLIDS HANDLING evaluated?

2023

In what year was your SOLIDS HANDLING constructed, upgraded or renewed?

2019

What is the age of your SOLIDS HANDLING?

10

In what year was your DISINFECTION evaluated?

2023

In what year was your DISINFECTION constructed, upgraded or renewed?

2013

What is the age of your DISINFECTION?

10

In what year was your LAND APPLICATION/DISPOSAL evaluated?

2023

In what year was your LAND APPLICATION/DISPOSAL constructed, upgraded or renewed?

2013

What is the age of your LAND APPLICATION/DISPOSAL?

Payson City Landfill

Part IV: DISCHARGES

Please answer the following questions regarding DISCHARGES.

How many days in the last year was there a bypass or overflow of wastewater at the facility due to equipment failure?

0

Part V: BIOSOLIDS HANDLING

Please answer the following questions regarding BIOSOLIDS HANDLING.

Biosolids disposal (check all that apply)

- Landfill
- Land Application
- Give Away/Other Distribution

Part VI: NEW DEVELOPMENT

Please answer the following questions regarding NEW DEVELOPMENT.

Number of new commercial/industrial connections in the last year?

0

Number of new residential sewer connections added in the last year?

239

Equivalent residential connections served?

5027

Part VII: OPERATOR CERTIFICATION

How many treatment system operators do you employ?

3

State of Utah Administrative Rules require all public system chief operators considered to be in Direct Responsible Charge (DRC) to be appropriately certified at no less than the Facility's Grade. List the designated Chief Operator/DRC for the Treatment System by: First and Last Name, Grade, and email.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Grade III

Please list all other wastewater treatment system operators with DRC responsibilities in the field, by name and certification grade. Please separate names and certification grade for each operator by commas.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Gregg Hiatt Grade IV, Jason Callaway Grade IV

Please list all other wastewater treatment operators by name and certification grade. Please separate names and certification grades for each operator by commas.

Grades: Grade I, Grade II, Grade III, and Grade IV.

Pat Hatfield Grade I

Is/are your DRC operator(s) currently certified at the appropriate grade for this facility?

Yes

No

Part VIII: FACILITY MAINTENANCE

Please answer the following questions regarding FACILITY MAINTENANCE.

Have you implemented a written preventative maintenance program for your treatment system?

Yes

No

Have you updated the treatment system operations and maintenance manual within the past 5 years?

Yes

No

Please identify (below) the types of treatment equipment and processes installed at your facility.

Indicate as many as you need.

Screens

Grit Removal

Primary Clarifier

Imhoff Tanks

Fixed Film Reactor

Activated Sludge

Aerobic Suspended Growth Variations

Anaerobic Suspended Growth Variations

- Physical-Chemical Systems for Organic Removal w/o Secondary Treatment
- Physical-Chemical Systems for Organic Removal Following Secondary Treatment
- Membrane Filtration
- Suspended-Growth Nitrification and Denitrification
- Air Stripping
- Phosphorus Removal - Chemical
- Phosphorus Removal - Biological
- Ion Exchange
- Reverse Osmosis
- Media Filtration
- Dissolved Air Flotation
- Micro Screens
- Chlorine Disinfection
- UV Disinfection
- Effluent Use/Reuse

To the best of my knowledge, the Mechanical Plant section is completed and accurate.

- True
- False

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please send an email to wqinfodata@utah.gov and we will contact you as soon as possible. You may also visit our [Frequently Asked Questions](#) page.

Adopt & Sign

I have reviewed this report and to the best of my knowledge the information provided in this report is correct. *

- True
- False

Has this been adopted by the City Council or District Board? *

- yes
- No

Not Adopted by Council

What date will it be presented to the City Council or District Board? *

MM DD YYYY

04 / 30 / 2024

End of Survey

This is the end of the survey. Please make sure you have submitted your responses for each section. Thank you for your participation.

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