

Santaquin City Resolution 04-05-2020

MUNICIPAL WASTEWATER PLANNING PROGRAM RESOLUTION

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

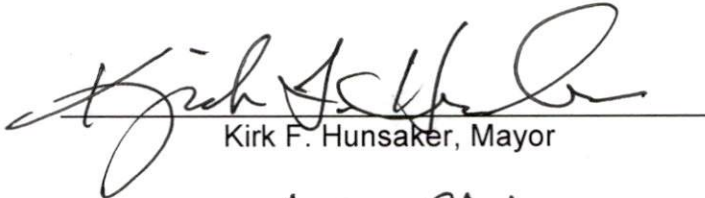
WHEREAS, the Utah Division of Water Quality requires of the Santaquin City Public Works Department an annual Wastewater Planning Program Report; and

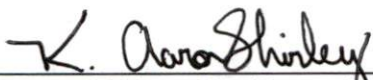
WHEREAS, the Utah Division of Water Quality desires formal action of the Santaquin City Council to review said report prior to its submission to the division;

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 2019 (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 7th day of April, 2020.


Kirk F. Hunsaker, Mayor

Attest: 
K. Aaron Shirley, City Recorder

*Municipal Wastewater Planning Program (MWPP)
Annual Report
for the year ending 2019
SANTAQUIN CITY*

Thank you for filling out the requested information. Please let DWQ know when it is approved by the Council.

Please download a copy of your form by clicking "Download PDF" below.

Below is a summary of your responses

[Download PDF](#)

SUBMIT BY APRIL 15, 2020

Are you the person responsible for completing this report for your organization?

Yes

No

This is the current information recorded for your facility:

Facility Name:	SANTAQUIN CITY
Contact - First Name:	Jason
Contact - Last Name:	Callaway
Contact - Title	Operations Manager

Contact - Phone:	801-420-3033
Contact - Email:	jcallaway@santaquin.org

Is this information above complete and correct?

Yes

No

Your wastewater system is described as Collection, Mechanical Treatment & Financial:

Classification: COLLECTION

Grade: II

(if applicable)

Classification: TREATMENT

Grade: III

Is this correct?

WARNING: If you select 'no', you will no longer have access to this form upon clicking Save & Continue. DWQ will update the information and contact you again.

Yes

No

Click on a link below to view examples of sections in the survey:
(Your wastewater system is described as Collection, Mechanical Treatment & Financial)

[MWPP Collection System.pdf](#)

[MWPP Discharging Lagoon.pdf](#)

[MWPP Financial Evaluation.pdf](#)

[MWPP Mechanical Plant.pdf](#)

[MWPP Non-Discharging Lagoon.pdf](#)

Will multiple people be required to fill out this form?

- Yes
- No

Please update the information for the person in charge of filling out each section.

	Email <small>ex. john@email.com</small>	Name <small>(first and last)</small>	Notes <small>These notes will be sent in the invite email</small>
Financial Evaluation	breeves@santaquin.org	Ben Reeves	
Collection System	jcallaway@santaquin.org	Jason Callaway	
Mechanical	jcallaway@santaquin.org	Jason Callaway	
Review, sign and submit	jcallaway@santaquin.org	Jason Callaway	

Click 'Yes' to send an email to each responsible person with the notes you've included (if any) with a link to the forms and to receive updates

- Yes, send the link to this form for the next person to fill out.
- Continue filling out the form myself and send the link to others later.**

Financial Evaluation Section

Form completed by:

Aaron Shirley, Finance Director

Part I: GENERAL QUESTIONS

	Yes	No
Are sewer revenues maintained in a dedicated purpose enterprise/district account?	<input checked="" type="radio"/>	<input type="radio"/>

	Yes	No
Are you collecting 95% or more of your anticipated sewer revenue?	<input checked="" type="radio"/>	<input type="radio"/>

Are Debt Service Reserve Fund ⁶ requirements being met?	<input checked="" type="radio"/>	<input type="radio"/>
--	----------------------------------	-----------------------

What was the User Charge¹⁶ for 2019?

45.16

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

Yes

No

Part II: OPERATING REVENUES AND RESERVES

	Yes	No
Are property taxes or other assessments applied to the sewer systems ¹⁵ ?	<input type="radio"/>	<input checked="" type="radio"/>

	Yes	No
Are sewer revenues ¹⁴ sufficient to cover operations & maintenance costs ⁹ , and repair & replacement costs ¹² (OM&R) at this time?	<input checked="" type="radio"/>	<input type="radio"/>
Are projected sewer revenues sufficient to cover OM&R costs for the <i>next five years</i> ?	<input checked="" type="radio"/>	<input type="radio"/>
Does the sewer system have sufficient staff to provide proper OM&R?	<input checked="" type="radio"/>	<input type="radio"/>
Has a repair and replacement sinking fund ¹³ been established for the sewer system?	<input checked="" type="radio"/>	<input type="radio"/>
Is the repair & replacement sinking fund sufficient to meet anticipated needs?	<input checked="" type="radio"/>	<input type="radio"/>

Part III: CAPITAL IMPROVEMENTS REVENUES AND RESERVES

	Yes	No
Are sewer revenues sufficient to cover all costs of current capital improvements ³ projects?	<input checked="" type="radio"/>	<input type="radio"/>
Has a Capital Improvements Reserve Fund ⁴ been established to provide for anticipated capital improvement projects?	<input checked="" type="radio"/>	<input type="radio"/>
Are projected Capital Improvements Reserve Funds sufficient for the <i>next five years</i> ?	<input checked="" type="radio"/>	<input type="radio"/>
Are projected Capital Improvements Reserve Funds sufficient for the <i>next ten years</i> ?	<input checked="" type="radio"/>	<input type="radio"/>
Are projected Capital Improvements Reserve Funds sufficient for the <i>next twenty years</i> ?	<input checked="" type="radio"/>	<input type="radio"/>

Part IV: FISCAL SUSTAINABILITY REVIEW

Yes

No

Have you completed a Rate Study¹¹ within the last five years?

Do you charge Impact fees⁸?

2019 Impact Fee =

4416

Yes

No

Have you completed an Impact Fee Study in accordance with UCA 11-36a-3 within the last five years?

Do you maintain a Plan of Operations¹⁰?

Have you updated your Capital Facility Plan² within the last five years?

Yes

No

Do you use an Asset Management¹ system for your sewer systems?

Describe the Asset Management System (check all that apply)

- Spreadsheet
- GIS
- Accounting Software

Specialized Software

Other

Yes

No

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

2019 Replacement Cost =

198137

Yes

No

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

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

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

7.4

Part V: PROJECTED CAPITAL INVESTMENT COSTS

Cost of projected capital improvements

	Cost Please enter a valid numerical value	Purpose of Improvements		
		Replace/Restore	New Technology	Increase Capacity
2020	50000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2020 thru 2024	500000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2025 thru 2029	1400000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2030 thru 2034	1400000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2035 thru 2039	600000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

This is the end of the Financial questions

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

Yes

This is the end of the Financial section. What would you like to do next?

This entire section is complete. Send the link to the next person in charge.

- (Once you Save & Continue, you will no longer be able to use the same link to view/edit your responses).*
- I will continue to fill out/review the next section myself.**

Collections System Section

Form completed by:

May Receive Continuing Education /units (CEUs)

Jason Callaway

Part I: SYSTEM DESCRIPTION

What is the largest diameter pipe in the collection system (diameter in inches)?

18

What is the average depth of the collection system (in feet)?

10

What is the total length of sewer pipe in the system (length in miles)?

61.5

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

1

What is the largest capacity lift/pump station in the collection system (design capacity in gallons per minute)?

1400 GPM

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

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

The Utah Sewer Management Program defines two classes of sanitary sewer overflows (SSOs):

Class 1- a Significant SSO means a SSO or 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.

Below include the number of SSOs that occurred in year: 2019

	Number
Number of Class 1 SSOs in Calendar year	<input type="text" value="0"/>
Number of Class 2 SSOs in Calendar year	<input type="text" value="0"/>

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

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

Part III: 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

Yes

No

Number of new commercial/industrial connections in the last year

0

Number of new residential sewer connections added in the last year

228

Equivalent residential connections⁷ served

3502

Part IV: OPERATOR CERTIFICATION

How many collection system operators do you employ?

6

Approximate population served

15540

State of Utah Administrative Rules requires all public system operators considered to be in Direct Responsible Charge (DRC) to be appropriately certified at least at the Facility's Grade.

List the designated Chief Operator/DRC for the Collection System below:

	Name First and Last Name	Grade	Email Please enter full email address
Chief Operator/DRC	Jason Callaway	II	jcallaway@santaquin.org

List all other Collection System operators with DRC responsibilities in the field, by certification grade, separate names by commas:

	Name separate by comma
SLS ¹⁷ Grade I:	
Collection Grade I:	
Collection Grade II:	Jason Callaway, Gregg Hiatt
Collection Grade III:	
Collection Grade IV:	

List all other Collection System operators by certification grade, separate names by commas:

	Name separate by comma
SLS ¹⁷ Grade I:	
Collection Grade I:	
Collection Grade II:	Wade Eva, Pat Hatfield, Shad Eva
Collection Grade III:	
Collection Grade IV:	Jon Hepworth
No Current Collection Certification:	

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

Yes

No

Part V: FACILITY MAINTENANCE

	Yes	No
Have you implemented a preventative maintenance program for your collection system?	<input checked="" type="radio"/>	<input type="radio"/>
Have you updated the collection system operations and maintenance manual within the past 5 years?	<input checked="" type="radio"/>	<input type="radio"/>
Do you have a written emergency response plan for sewer systems?	<input checked="" type="radio"/>	<input type="radio"/>
Do you have a written safety plan for sewer systems?	<input checked="" type="radio"/>	<input type="radio"/>
Is the entire collections system TV inspected at least every 5 years?	<input type="radio"/>	<input checked="" type="radio"/>
Is at least 85% of the collections system mapped in GIS?	<input checked="" type="radio"/>	<input type="radio"/>

Part VI: SSMP EVALUATION

	Yes	No
Has your system completed a Sewer System Management Plan (SSMP)?	<input checked="" type="radio"/>	<input type="radio"/>
Has the SSMP been adopted by the permittee's governing body at a public meeting?	<input checked="" type="radio"/>	<input type="radio"/>
Has the completed SSMP been public noticed?	<input checked="" type="radio"/>	<input type="radio"/>

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

Yes

No

Date of Public Notice

10/01/2015

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

Started using sonar technology to determine what line needs to be cleaned.

During 2019, was any part of the SSMP audited as part of the five year audit?

Yes

No

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

Yes

No

Part VII: NARRATIVE EVALUATION

This section should be completed with the system operators.

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

The collection system was constructed in 1994. It consists of plastic pipe and concrete manholes. We have very little infiltration and inflow. The lift station was

concrete manholes. We have very little infiltration and inflow. The lift station was constructed in 2007 and the pumps upgraded in 2013.

What sewerage system capital improvements³ does the utility need to implement in the next 10 years?

May have to up size key trunk lines and upgrade the lift station.

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

Grease seems to be a ongoing problem. We have to clean the lift station 3 times a year.

Is your utility currently preparing or updating its capital facilities plan²?

- Yes
- No

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

- 100% Covered**
- Partially cover
- Does not pay

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

- Yes
- No**

Any additional comments?

NO

This is the end of the Collections System questions

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

Yes

This is the end of the Collection System section, what would you like to do next?

This entire section is complete. Send the link to the next person in charge.

(Once you Save & Continue, you will no longer be able to use the same link to view/edit your responses).

I will continue to fill out/review the next section myself.

Mechanical Plant Section

Form completed by:

May Receive Continuing Education /units (CEUs)

Jason Callaway

Part I: INFLUENT INFORMATION

Please provide the average influent flow rate and average influent BOD₅ and TSS loading rates listed below for your facility.

Average Daily Flow
(MGD)

Average Daily BOD₅
Load (lb/day)

Average Daily TSS Load
(lb/day)

Design Basis or

Design Basis or
Rated Capacity

Average Daily Flow (MGD)	Average Daily BOD ₅ Load (lb/day)	Average Daily TSS Load (lb/day)
.664	1392	1805

2019 Average

Part II: EFFLUENT INFORMATION

How many Notices of Violation (NOVs) did you receive for this facility in the review year?

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

Part III: FACILITY AGE

In what year were the following process units constructed, upgraded or renewed?

Note: If a unit process does not apply to your system enter the Evaluation Year under Construction or Upgrade Year.

	Evaluation Year	Construction or Upgrade Year	Age
Headworks	2019	2013	6
Primary Treatment	2019	2013	6
Secondary Treatment	2019	2013	6
Tertiary Treatment	2019	2013	6
Solids Handling	2019	2013	6
Disinfection	2019	2013	6
Land			

PART IV: 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

Biosolids Disposal (check all that apply)

	Yes	No
Landfill	<input checked="" type="radio"/>	<input type="radio"/>
Land Application	<input type="radio"/>	<input checked="" type="radio"/>
Give Away/Other Distribution	<input type="radio"/>	<input checked="" type="radio"/>

Part VI: NEW DEVELOPMENT

Number of new commercial/industrial connections in the last year

0

Number of new residential sewer connections added in the last year

228

Equivalent residential connections⁷ served

15540

Part VII: OPERATOR CERTIFICATION

How many treatment system operators do you employ?

4

State of Utah Administrative Rules requires all public system operators considered to be in Direct Responsible Charge (DRC) to be appropriately certified at least at the Facility's Grade.

List the designated Chief Operator/DRC for the Wastewater Treatment System below:

	Name First and Last Name	Grade	Email Please enter full email address
Chief Operator/DRC	Jason	IV	jcallaway@santaquin.org

List all other Wastewater Treatment System operators with DRC responsibilities in the field, by certification grade, separate names by commas:

	Name separate by comma
SLS ¹⁷ Grade I:	
Treatment Grade I:	
Treatment Grade II:	

Treatment Grade III:

Name

Treatment Grade IV:

separate by comma
Jason Callaway, Gregg Hiatt

List all other Wastewater Treatment System operators by certification grade, separate names by commas:

Name

separate by comma

SLS¹⁷ Grade I:

Treatment Grade I:

Pat Hatfield

Treatment Grade II:

Jon Hepworth

Treatment Grade III:

Treatment Grade IV:

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

Yes

No

Part VIII: FACILITY MAINTENANCE

Yes

No

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

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

Identify the types of treatment equipment and processes installed at your

facility.

	Yes	No
Screens	<input checked="" type="radio"/>	<input type="radio"/>
Grit Removal	<input type="radio"/>	<input checked="" type="radio"/>
Primary Clarifiers	<input type="radio"/>	<input checked="" type="radio"/>
Imhoff Tanks	<input type="radio"/>	<input checked="" type="radio"/>
Fixed Film Reactor	<input type="radio"/>	<input checked="" type="radio"/>
Activated Sludge	<input checked="" type="radio"/>	<input type="radio"/>
Aerobic Suspend Growth Variations	<input type="radio"/>	<input checked="" type="radio"/>
Anaerobic Suspended Growth variations	<input type="radio"/>	<input checked="" type="radio"/>
Physical-chemical systems for organic removal w/o secondary treatment	<input type="radio"/>	<input checked="" type="radio"/>
Physical-chemical systems for organic removal following secondary treatment	<input type="radio"/>	<input checked="" type="radio"/>
Membrane Filtration	<input checked="" type="radio"/>	<input type="radio"/>
Suspended-growth Nitrification and Denitrification	<input type="radio"/>	<input checked="" type="radio"/>
Air Stripping	<input type="radio"/>	<input checked="" type="radio"/>
Phosphorus Removal - Chemical	<input type="radio"/>	<input checked="" type="radio"/>
Phosphorus Removal - Biological	<input type="radio"/>	<input checked="" type="radio"/>
Ion Exchange	<input type="radio"/>	<input checked="" type="radio"/>
Reverse Osmosis	<input type="radio"/>	<input checked="" type="radio"/>
Media Filtration	<input type="radio"/>	<input checked="" type="radio"/>
Dissolved Air Flotation	<input type="radio"/>	<input checked="" type="radio"/>
Micro Screens	<input type="radio"/>	<input checked="" type="radio"/>

- | | | |
|-----------------------|----------------------------------|-------------------------------------|
| Chlorine Disinfection | <input type="radio"/> Yes | <input checked="" type="radio"/> No |
| UV Disinfection | <input checked="" type="radio"/> | <input type="radio"/> |
| Effluent use/Reuse | <input checked="" type="radio"/> | <input type="radio"/> |

This is the end of the Mechanical Plant questions


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

Yes

This is the end of the Mechanical Plant section, what would you like to do next?

- This entire section is complete. Send the link to the next person in charge.
(Once you Save & Continue, you will no longer be able to use the same link to view/edit your responses).
- I will continue to fill out/review the next section myself.**

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


clear

Has this been adopted by the council? If no, what date will it be presented to the council?

to the council.

Yes

No

What date will it be presented to the council?

Date format ex. mm/dd/yyyy

04/07/2020

Please log in.

Email

jcallaway@santaquin.org

PIN

....

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 that 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.

Powered by Qualtrics 