

# Santaquin City Resolution 06-06-2019

## 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

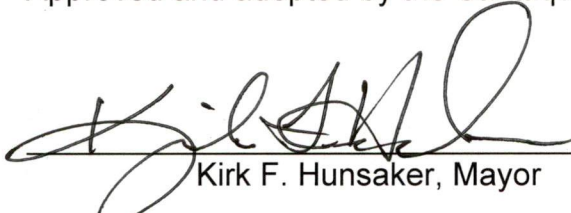
**WHEREAS**, the Utah Division of Water Quality requires of the Santaquin City Public Works Department an annual Wastewater Planning Program Report; and

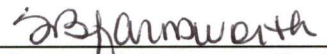
**WHEREAS**, the Utah Division of Water Quality desires formal action of the Santaquin City Council to review said report prior to its submission to the division;

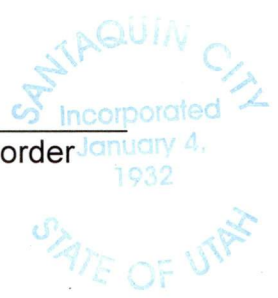
**NOW, THEREFORE, BE IT RESOLVED**, that the Santaquin City Council informs the Water Quality Board that the following actions were taken by the City Council:

1. Reviewed the attached Municipal Wastewater Planning Program Report for 2018 (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 18<sup>th</sup> day of June, 2019.

  
Kirk F. Hunsaker, Mayor

Attest:   
Susan B. Farnsworth, City Recorder



*Municipal Wastewater Planning Program (MWPP)  
Annual Report  
for the year ending 2018  
SANTAQUIN CITY*

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

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Below is a summary of your responses

[Download PDF](#)

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**SUBMIT BY MAY 31, 2019**

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

**Yes**

**No**

This is the current information recorded for your facility:

<b>Facility Name:</b>	SANTAQUIN CITY
<b>Contact - First Name:</b>	Jason

<b>Contact - Title</b>	Operations Manager
<b>Contact - Phone:</b>	801-420-3033
<b>Contact - Email:</b>	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 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 ex. john@email.com	Name (first and last)	Notes These notes will be sent in the invite email
Financial Evaluation	breeves@santaquin.org	Ben Reeves	Ben, This is the financial section to our annual report that we report to the state. Let me know if you have any questions. Thanks for your help.
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.

## Financial Evaluation Section

Form completed by:

Benjamin A. Reeves

What was the User Charge<sup>16</sup> for 2018?

46.54

### Part 1: OPERATION AND MAINTENANCE

	Yes	No
Are property taxes or other assessments applied to the sewer systems <sup>15</sup> ?	<input type="radio"/>	<input checked="" type="radio"/>
Are sewer revenues <sup>14</sup> sufficient to cover operations & maintenance costs <sup>9</sup> , and repair & replacement costs <sup>12</sup> (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 <sup>13</sup>		

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

Yes

No

## Part II: CAPITAL IMPROVEMENTS

Are sewer revenues sufficient to cover all costs of current capital improvements<sup>3</sup> projects?

Yes

No

Has a Capital Improvements Reserve Fund<sup>4</sup> been established to provide for anticipated capital improvement projects?

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

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

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

## Part III: 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?

Are Debt Service Reserve Fund<sup>6</sup> requirements being met?

## Part IV: FISCAL SUSTAINABILITY REVIEW

	Yes	No
Have you completed a Rate Study <sup>11</sup> within the last five years?	<input checked="" type="radio"/>	<input type="radio"/>
Do you charge Impact fees <sup>8</sup> ?	<input checked="" type="radio"/>	<input type="radio"/>
Have you completed an Impact Fee Study in accordance with UCA 11-36a-3 within the last five years?	<input checked="" type="radio"/>	<input type="radio"/>
Do you maintain a Plan of Operations <sup>10</sup> ?	<input checked="" type="radio"/>	<input type="radio"/>
Have you updated your Capital Facility Plan <sup>2</sup> within the last five years?	<input checked="" type="radio"/>	<input type="radio"/>
Do you use an Asset Management <sup>1</sup> system for your sewer systems?	<input type="radio"/>	<input checked="" type="radio"/>
Do you know the total replacement cost of your sewer system capital assets?	<input checked="" type="radio"/>	<input type="radio"/>
Do you fund sewer system capital improvements annually with sewer revenues at 2% or more of the total replacement cost?	<input checked="" type="radio"/>	<input type="radio"/>

## Part IV: PROJECTED NEEDS

### Cost of projected capital improvements

*Please enter a valid numerical value.*

2019	1,800,000
2020	0

2021	0
2022	0
2023	600,000
2024	0

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.

*Collection System Section*



Form completed by:

May Receive Continuing Education /units (CEUs)

Jason Callaway

## Part I: SYSTEM AGE

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

1994

What year was the the oldest part of your collection system constructed, replaced, or renewed?

1994

## 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)?

1

*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: 2018

	Number
Number of Class 1 SSOs in Calendar year	0
Number of Class 2 SSOs in Calendar year	1

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

construction project they failed to notify the city and this caused a backup in the main line.

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

They were not caused by a contract or tributary community. Santaquin City owns and operates its collection system.

### 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  
 No

Number of new commercial/industrial connections in the last year

Number of new residential sewer connections added in the last year

199

Equivalent residential connections<sup>7</sup> served

3274

#### Part IV: OPERATOR CERTIFICATION

How many collection system operators do you employ?

6

Approximate population served

14651

***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 <sup>17</sup> Grade I:	0
Collection Grade I:	0
Collection Grade II:	Jason Callaway, Gregg Hiatt
Collection Grade III:	0
Collection Grade IV:	0

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

	Name separate by comma
SLS <sup>17</sup> Grade I:	0
Collection Grade I:	0
Collection Grade II:	Gregg Hiatt, Pat Hatfield, Shad Eva, Wade Eva
Collection Grade III:	0

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"/>

### 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	<input checked="" type="radio"/>	<input type="radio"/>

Has the completed SSMP been public noticed?

yes

NO

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

Date of Public Notice

10/01/2015

During 2018, 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.

included)

The collection was constructed in 1994 with plastic pipe and concrete manholes. The lift station was constructed in 2007 and the pumps were upgraded in 2013. Regular maintenance is performed on the lift station and collection system. Our collection system is cleaned on a 3 year rotation and manholes are routinely inspected. The lift station is cleaned every 6 months

What sewerage system capital improvements<sup>3</sup> does the utility need to implement in the next 10 years?

Depending on growth we may have to upgrade the lift station

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

We experience grease and grit buildup in our lift station that is a nuisance and requires extra attention. Also there are areas in our collection system that require extra cleaning.

Is your utility currently preparing or updating its capital facility plan<sup>2</sup>?

Yes

No

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

100% Covered



Does not pay

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

Yes

No

Any additional comments?

Santaquin City has always encouraged training and has been willing to pay for it.

This is the end of the Collection System questions

To the best of my knowledge, the Collection 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).

## 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 BOD<sub>5</sub> and TSS loading rates listed below for your facility.

	Average Daily Flow (MGD)	Average Daily BOD <sub>5</sub> Load (lb/day)	Average Daily TSS Load (lb/day)
Design Basis or Rated Capacity	.650	1355	1355
2018 Average	.653	1328	1759

### Part II: EFFLUENT INFORMATION

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

0

## 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	2018	2013	5
Primary Treatment	2018	2013	5
Secondary Treatment	2018	2013	5
Tertiary Treatment	2018	2013	5
Solids Handling	2018	2013	5
Disinfection	2018	2013	5

## PART IV: DISCHARGES

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

0

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

## 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

199

Equivalent residential connections<sup>7</sup> served

## 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 Callaway	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

	Name
SLS <sup>17</sup> Grade I:	0 separate by comma
Treatment Grade I:	0
Treatment Grade II:	0
Treatment Grade III:	0
Treatment Grade IV:	Jason Callaway, Gregg Hiatt

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

	Name
SLS <sup>17</sup> Grade I:	0 separate by comma
Treatment Grade I:	Pat Hatfield,
Treatment Grade II:	0
Treatment Grade III:	0
Treatment Grade IV:	0

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

Yes

No

Part VIII: FACILITY MAINTENANCE

Yes

No

.....  
maintenance program for your treatment system?

Yes

No

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.

Screens

Yes

No

Grit Removal

Primary Clarifiers

Imhoff Tanks

Fixed Film Reactor

Activated Sludge

Aerobic Suspend 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

	yes	No
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"/>	<input checked="" type="radio"/>
UV Disinfection	<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?

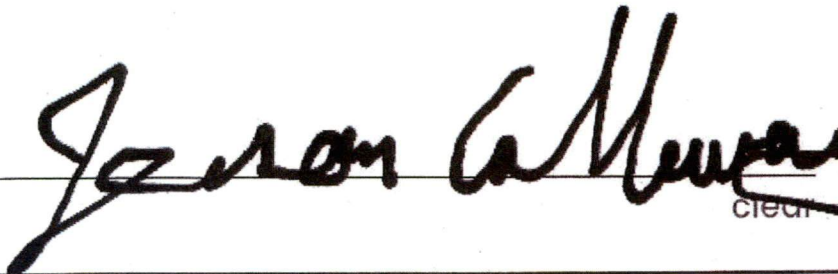
This entire section is complete. Send the link to the next person in charge.

(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.



Jason Callaway

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

Yes

No

What date will it be presented to the council?

Date format ex. mm/dd/yyyy

06/19/2019

Please log in.

Email

jcallaway@santaquin.org

PIN

....