Municipal Wastewater Planning Program (MWPP)
Annual Report
for the year ending 2022
SANTAQUIN CITY

Thank you for filling out the reqested 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, 2023

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	Public Works Director
Contact - Phone	8

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 a previous year's 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**

Financial Evaluation Section

Form completed by:

Jason Callaway

Part I: GENERAL QUESTIONS

	Yes	No
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[6] requirements being met?	◉	○

What was the annual average User Charge[16] for 2022?

566.40

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]?	( )	(●)

	Yes	No
Are sewer revenues[14] sufficient to cover operations & maintenance costs[9], and repair & replacement costs[12] (OM&R) at this time?	(●)	( )
Are projected sewer revenues sufficient to cover OM&R costs for the ***next five years***?	(●)	( )
Does the sewer system have sufficient staff to provide proper OM&R?	(●)	( )
Has a repair and replacement sinking fund[13] been established for the sewer system?	(●)	( )
Is the repair & replacement sinking fund sufficient to meet anticipated needs?	(●)	( )

Part III: CAPITAL IMPROVEMENTS REVENUES AND RESERVES

	Yes	No
Are sewer revenues sufficient to cover all costs of current capital improvements[3] projects?	(●)	( )

	Yes	No
Has a Capital Improvements Reserve Fund[4] 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 IV: FISCAL SUSTAINABILITY REVIEW

	Yes	No
Have you completed a Rate Study[11] within the last five years?	◉	○
Do you charge Impact fees[8]?	◉	○

2022 Impact Fee (if not a flat fee, use average of all collected fees) =

$4,416.00

	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 Operations[10]?	◉	○
Have you updated your Capital Facility Plan[2] within the last five years?	◉	○

	Yes	No
Do you use an Asset Management[1] system for your sewer systems?	◉	○

Describe the Asset Management System (check all that apply)

- [x] **Spreadsheet**
- [x] **GIS**
- [x] **Accounting Software**
- [ ] Specialized Software
- [ ] Other

	Yes	No
Do you know the total replacement cost of your sewer system capital assets?	◉	○

2022 Replacement Cost =

$29,252,613

	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?	◉	○

Yes No

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

8.01

Part V: PROJECTED CAPITAL INVESTMENT COSTS

Cost of projected capital improvements

	Cost	Purpose of Improvements		
	Please enter a valid numerical value	Replace/Restore	New Technology	Increase Capacity
2023	$75,000	☐	☐	☑
2023 thru 2027	$17,067,318	☑	☐	☑
2028 thru 2032	$37,550,000	☑	☑	☑
2033 thru 2037	$6,682,500	☑	☑	☑
2038 thru 2042	$5,000,000	☑	☐	☐

This is the end of the Financial questions

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

☑ **Yes**

Collections System Section

Form completed by:

May Receive Continuing Education /units (CEUs)

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)?

71

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

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

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: 2022

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

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

0

Number of new residential sewer connections added in the last year

436

Equivalent residential connections[7] served

4759

Part IV: OPERATOR CERTIFICATION

How many collection system operators do you employ?

5

Approximate population served

18753

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	Gregg Hiatt	IV	ghiatt@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
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:	Pat Hatfield, Shad Eva
Collection Grade III:	Tanner Child
Collection Grade IV:	
No Current Collection Certification:	

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

- [x] **Yes**
- [ ] No

Part V: FACILITY MAINTENANCE

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

Part VI: SSMP EVALUATION

	Yes	No
Has your system completed a Sewer System Management Plan (SSMP)?	◉	○
Has the SSMP been adopted by the permittee's governing body at a public meeting?	◉	○
Has the completed SSMP been public noticed?	◉	○
During the annual assessment of the SSMP		

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

During 2022, 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)

Santaquin City's lift station was constructed in 2007 and new pumps were installed in 2013. The collection system was constructed in 1994 with plastic pipe and concrete manholes. We see very little I&I in our system. Manholes are inspected once per year and any problem is documented and repaired in a timely manner.

What sewerage system capital improvements[3] does the utility need to implement in the next 10 years?

Install 18" sewer main along Strawberry Canal 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 along Center Street from 100 South to manhole on 70 South. Add third pump in lift station and and parallel force main.

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

We have periodic events of excessive grease in our lift station that has required us to clean more often.

Is your utility currently preparing or updating its capital facilities plan[2]?

- (●) **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?

This is the end of the Collections System questions

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

- [x] **Yes**

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_5 and TSS loading rates listed below for your facility.

	Average Daily Flow (MGD)	Average Daily BOD_5 Load (lb/day)	Average Daily TSS Load (lb/day)
Design Basis or Rated Capacity	1.0	2085	2085
2022 Average	.796	1321	1799

Part II: EFFLUENT INFORMATION

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

0

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

wastewater at the facility due to high flows?

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	2022	2013	9
Primary Treatment	2022	2013	9
Secondary Treatment	2022	2013	9
Tertiary Treatment	2022	2019	3
Solids Handling	2022	2019	3
Disinfection	2022	2013	9
Land Application/Disposal	2022	2013	9

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	◉	○
Land Application	○	◉
Give Away/Other Distribution	○	◉

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

436

Equivalent residential connections[7] served

4756

Part VII: OPERATOR CERTIFICATION

How many treatment system operators do you employ?

3

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	Gregg Hiatt	IV	ghiatt@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:	
Treatment Grade IV:	Jason Callaway

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

	Name separate by comma
SLS[17] Grade I:	Pat Hatfield
Treatment Grade I:	
Treatment Grade II:	
Treatment Grade III:	

Treatment Grade IV:

Name

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	(●)	( )
Grit Removal	( )	(●)
Primary Clarifiers	( )	(●)
Imhoff Tanks	( )	(●)
Fixed Film Reactor	( )	(●)
Activated Sludge	(●)	( )
Aerobic Suspend Growth Variations	( )	(●)
Anaerobic Suspended Growth variations	( )	(●)
Physical-chemical systems for organic		

	Yes	No
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	◉	○

This is the end of the Mechanical Plant questions

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

☑ **Yes**

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

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

05/02/2023

Please log in.

Email

PIN

NOTE: This questionnaire has been compiled for your benefit to assist you in evaluating the technical and financial needs of your wastewater systems. Completion of the collection section meets the annual reporting requirement for the USMP. 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.