Ivins City Staff Report
City Council Meeting 7/7/2022

Agenda Item: Approval of Municipal Wastewater Planning Program (MWPP) Annual Report for Year Ending 2021

Submitted by: Charles R. Gillette, P.E. City Engineer

Recommended City Council Action:
Approve Municipal Wastewater Planning Program (MWPP) Annual Report for Year End 2021

BACKGROUND:
The State of Utah, Division of Water Quality (DWQ) has implemented the Municipal Wastewater Planning Program to meet the reporting requirements of the new Utah Sanitary Sewer Management Program. This program allows the State of Utah to identify and solve potential problems before they become serious and costly.

DWQ requires that the annual report be reviewed and approved by the City Council.

FINDINGS AND ANALYSIS:
See the attached self-assessment report.

SUPPORT MATERIALS:
- Municipal Wastewater Planning Program Annual Report for Ivins 2021

FINANCIAL IMPACT:
None

Respectfully Submitted:

Charles R. Gillette, P.E. City Engineer

Content Review:

Dale Coulam, City Manager

Municipal Wastewater Planning Program (MWPP)
Annual Report
for the year ending 2021
IVINS 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

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:	IVINS CITY
Contact - First Name:	Chuck
Contact - Last Name:	Gillette
Contact - Title	Public Works Dir.
[illegible]	[illegible]

Contact - Phone:	435-634-0689
Contact - Email:	CGillette@ivins.com

Is this information above complete and correct?

- (●) **Yes**
- ( ) No

Your wastewater system is described as Collection & Financial:

Classification: COLLECTION
Grade: II

(if applicable)

Classification: -
Grade: -

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 & 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:

Chuck Gillette

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 2021?

26.84

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?	◉	○
Has a Capital Improvements Reserve Fund[4] been established to provide for anticipated	◉	○

capital improvement projects?

	Yes	No
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]?	◉	○

2021 Impact Fee (if not a flat fee, use average of all collected fees) =

551.61 per ERU (not including St George Regional Sewer Treatment Plant)

	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)

- ☐ Spreadsheet
- ☑ **GIS**
- ☐ Accounting Software
- ☐ Specialized Software
- ☐ Other

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

2021 Replacement Cost =

51,000,000

	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?

1.25

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
2022	0	☐	☐	☐
2022 thru 2026	1200000	☑	☐	☑
2027 thru 2031	720000	☑	☐	☑
2032 thru 2036	TBD	☐	☐	☐
2037 thru 2041	TBD	☐	☐	☐

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)

Charles Gillette

Part I: SYSTEM DESCRIPTION

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

15

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

9.1

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

67

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)?

250

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)?

1990

In what year was the largest diameter sewer pipe in the collection system constructed, replaced or renewed? (If more than one, cite the oldest)

15

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

SSO criteria.

Below include the number of SSOs that occurred in year: 2021

	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

2

Number of new residential sewer connections added in the last year

232

Equivalent residential connections[7] served

4335

Part IV: OPERATOR CERTIFICATION

How many collection system operators do you employ?

6

Approximate population served

8722

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	Grade	Email

	First and Last Name Name	Grade	Please enter full email address Email
Chief Operator/DRC	First and Last Name Charles Gillette	IV	Please enter full email address cgillette@divms.com

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:	
Collection Grade III:	
Collection Grade IV:	Shiloh Pentz, Justin Davenport, Matt Cooper

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:	Travis Gubler
Collection Grade III:	
Collection Grade IV:	Tom Jorgensen, Page Bowler
No Current Collection Certification:	

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

- (◉) **Yes**
- ( ) No

○ 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, were any adjustments needed based on the performance of the plan?	○	◉

Yes No

Date of Public Notice

01/21/2016

During 2021, 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)

Overall condition is described as fair to good, with no major deficiencies. No part of the system is older than 30 years. .

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

2023 Tuacahn Wash Sewer Transmission Line Upsize, $1.5M, 2027: Lift Station VFD Updrade: $5k, 2028 800 S/400 E to Pioneer Parkway Upsize $825k 2029: 800 South from 200 E to 400 E Upsize, $250k 2030: 800 South 90 E to 200 E Upsize $135k

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

There have been a few minor deficiencies of settling pipes that have been discovered through sonar detection. One has already been fixed and another is planned to be fixed in 2022.

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?

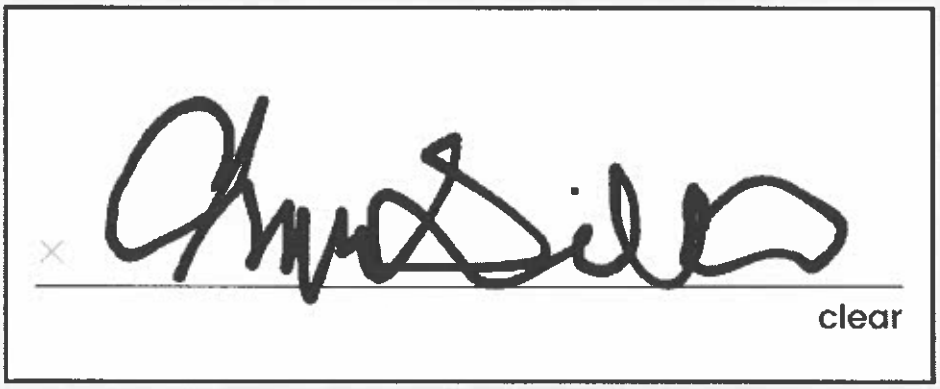
None

This is the end of the Collections System questions

To the best of my knowledge, the Collections System 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

07/07/2022

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.

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