

From: [Google Forms](#)
To: [Travis Jockumsen](#)
Subject: Full MWPP Survey - 2024
Date: Tuesday, February 6, 2024 2:04:47 PM



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Here's what was received.

[Edit response](#)

Full MWPP Survey - 2024

Municipal Wastewater Planning Program survey for 2024.

Email *

travisj@payson.org

Section I: General Information

Name of the Facility? *

Payson City

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

*

Travis Jockumsen

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

Public Works Director/City Engineer

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

travisj@payson.org

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

801-465-5235

Facility Location? *

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

1062 N Main Street, Payson, UT 84651

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]? *

Cathy Jensen and Travis Jockumsen

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.

\$60.22

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 =

NA

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) =

\$4612 per ERU
.....

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 =

\$71 million

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?

We have put the replacement of the sewer treatment assets on hold, as we are building a new plant.

Describe the Asset Management System.

Check all that apply

- ☐ Spreadsheet
- ☐ GIS
- ☐ Accounting Software
- ☐ Specialized Software

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

\$14,472,210

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

Book Value = total cost - accumulated depreciation

\$28,087,069

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?

\$5 million

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

\$68.2 million

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

unknown

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

unknown

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

unknown

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).

Tyler Lowe

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.

36

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.

67.5

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.

940

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)?

1960

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

If more than one, cite the oldest.

2019

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.

NA

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

NA

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?

8

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

100

How many equivalent residential connections are served?

6205

Part IV: OPERATOR CERTIFICATION

Please answer the following questions regarding OPERATOR CERTIFICATION.

How many collection system operators do you employ?

2

What is the approximate population served?

23000

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.

Joseph Jamison, IV josephj@payson.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.

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.

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

When SSMP to be PNed

When will the SSMP be Public Noticed?

MM DD YYYY

03 / 06 / 2024

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)?

.....

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?

.....

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)

fair

.....

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

upgrade lift stations, upgrade treatment plant, fix some collections lines and line others

.....

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

none

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?

no

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).

Tyler Lowe
.....

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?

3
.....

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

4400
.....

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

2500
.....

What was the 2023 average daily flow in MGD?

1.8
.....

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

3423
.....

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

2117

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

60

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

77

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

84

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?

8

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?

2022

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

2000

What is the age of your HEADWORKS?

24

In what year was your PRIMARY TREATMENT evaluated?

2022

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

2000

What is the age of your PRIMARY TREATMENT?

24
.....

In what year was your SECONDARY TREATMENT evaluated?

2022
.....

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

2000
.....

What is the age of your SECONDARY TREATMENT?

24
.....

In what year was your TERTIARY TREATMENT evaluated?

2022
.....

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

2024
.....

What is the age of your TERTIARY TREATMENT?

22

In what year was your SOLIDS HANDLING evaluated?

2022

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

2013

What is the age of your SOLIDS HANDLING?

11

In what year was your DISINFECTION evaluated?

2022

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

2000

What is the age of your DISINFECTION?

24

In what year was your LAND APPLICATION/DISPOSAL evaluated?

0

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

0

What is the age of your LAND APPLICATION/DISPOSAL?

0

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?

8

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

100

Equivalent residential connections served?

6205

Part VII: OPERATOR CERTIFICATION

How many treatment system operators do you employ?

4

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.

Jeff Hiatt, IV jeffh@payson.org

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.

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.

Tyler Lower, IV, tylerl@payson.org Brent Jones, IV, brentj@payson.org

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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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

03 / 06 / 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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