

Municipal Wastewater Planning Program (MWPP)
Annual Report
for the year ending 2020
ELK RIDGE 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, 2021

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:	ELK RIDGE CITY
Contact - First Name:	David
Contact - Last Name:	Jean
Contact - Title	Public Works Dir.
Contact - Email:	

Contact - Phone:	801-423-2300 x 5
Contact - Email:	davidj@elkridgecity.org

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 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:

David Jean

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 Fund⁶ requirements being met?

☒

☐

What was the annual average User Charge¹⁶ for 2020?

64.12

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

- | | Yes | No |
|------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|
| Are projected Capital Improvements Reserve Funds sufficient for the <i>next five years</i> ? | <input type="radio"/> | <input checked="" type="radio"/> |
| Are projected Capital Improvements Reserve Funds sufficient for the <i>next ten years</i> ? | <input type="radio"/> | <input checked="" type="radio"/> |
| Are projected Capital Improvements Reserve Funds sufficient for the <i>next twenty years</i> ? | <input type="radio"/> | <input checked="" type="radio"/> |

Part IV: FISCAL SUSTAINABILITY REVIEW

- | | Yes | No |
|---------------------------------------------------------------------------|----------------------------------|----------------------------------|
| Have you completed a Rate Study ¹¹ within the last five years? | <input type="radio"/> | <input checked="" type="radio"/> |
| Do you charge Impact fees ⁸ ? | <input checked="" type="radio"/> | <input type="radio"/> |

2020 Impact Fee (if not a flat fee, use average of all collected fees) =

2545.11

- | | Yes | No |
|----------------------------------------------------------------------------------------------------|-----------------------|----------------------------------|
| Have you completed an Impact Fee Study in accordance with UCA 11-36a-3 within the last five years? | <input type="radio"/> | <input checked="" type="radio"/> |
| Do you maintain a Plan of Operations ¹⁰ ? | <input type="radio"/> | <input checked="" type="radio"/> |
| Have you updated your Capital Facility Plan ² within the last five years? | <input type="radio"/> | <input checked="" type="radio"/> |

In what year was the Capital Facility Plan last updated?

2014

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?



2020 Replacement Cost =

16,400,000

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?

0

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
2021	377000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2021 thru 2025	20000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2026 thru 2030	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2031 thru 2035	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2036 thru 2040	0	<input type="checkbox"/>	<input 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

Form completed by:

May Receive Continuing Education /units (CEUs)

David Jean

Part I: SYSTEM DESCRIPTION

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

12

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)?

22

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

0

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

N/A

Do seasonal daily peak flows exceed the average peak daily flow by 100 percent or more?

☐ Yes

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

1976

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

2008

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: 2020

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.

Contractor digging a trench hit a concrete pipe and broke it open. We were able to respond with our vacuator and stop the waste water from leaking into the soil. We estimated about 300 or less gallons were lost to the soil.

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

contractor

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

39

Equivalent residential connections⁷ served

1170

Part IV: OPERATOR CERTIFICATION

How many collection system operators do you employ?

1

Approximate population served

4250

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	McKay Lloyd	II	mckay@elkridgecity.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:	
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:	
Collection Grade III:	
Collection Grade IV:	
No Current Collection Certification:	David Jean II

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

Yes
☐

No
☒

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

☐

☒

During 2020, 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?

We went through the whole SSMP and updated it all. It was republished, adopted by the council and submitted to the state.

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)

Elk Ridge City Sanitary Sewer System is all gravity flow. We continue to lease sIRat equipment and use it for evaluation of the system to identify any concerns in the system. McKay was able to update the SSMP and it was adopted by our city

council. We have a hotspot that is being reconstructed and I see this being completed spring of 2021. We are confident in our system and its performance. We continue to monitor the system and identify any problems.

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

I don't have any capital improvement plans that are identified for the next 10 years. Our capital improvement plan is scheduled to be updated in the fiscal year 2022 with council approval.

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

We have identified pipe deterioration and manhole problems. Fiscal year 2022 is planned for repair of these spots. Our system is in good shape and we continue to work on areas of concern before they become problems.

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?

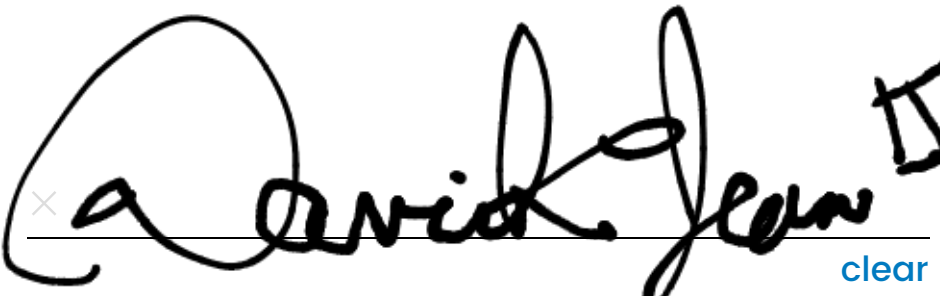
N/A

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.

A handwritten signature in black ink, reading "David Jean", is written over a horizontal line. To the left of the signature is a small "x" icon, and to the right is a blue "clear" button. The entire signature area is enclosed in a black rectangular border.

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

03/09/2021

Please log in.

Email

Davidj@elkridgecity.org

PIN

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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.

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