

Resolution Number 6-5-10R

**MUNICIPAL WASTEWATER PLANNING PROGRAM RESOLUTION**

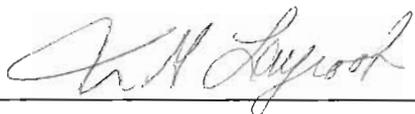
RESOLVED that CITY OF KANAB informs the Water Quality Board the following actions were taken by the CITY OF KANAB

- 1. Reviewed the attached Municipal Wastewater Planning Program Report for 2009.
- 2. Have taken all appropriate actions necessary to maintain effluent requirements contained in the UPDES Permit (If Applicable)

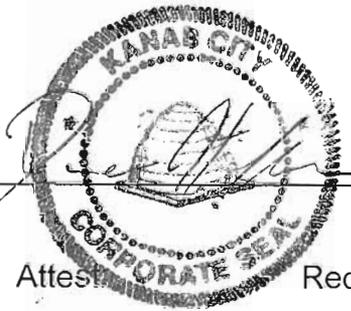
Passed by a (majority) (unanimous) vote on

6-22-2010

(date)

  
\_\_\_\_\_

Mayor/Chairman

  
\_\_\_\_\_

Attest

Recorder/Clerk

# Municipal Wastewater Planning Program (MWPP)

## Collection System Section

Owner Name: *CITY OF KANAB*

Name and Title of Contact Person:

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Keith Robinson

Public Works Director

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Phone: 435 6442534

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**PLEASE SUBMIT TO STATE BY: July 1, 2010**

Mail to: MWPP - Department of Environmental Quality  
c/o Paul Krauth, P.E.  
Division of Water Quality  
195 North 1950 West  
P.O. Box 144870  
Salt Lake City, Utah 84114-4870  
Phone : (801) 536-4346

Form completed by

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Keith Robinson

**Part I: SYSTEM AGE**

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

Year 1959

B. What is the oldest part of your present system ?

Oldest part 50 years

**Part II: BYPASSES**

A. Please complete the following table:

Question	Number	Points Earned	Total Points
How many days last year was there a bypass, overflow or basement flooding by untreated wastewater in the system due to rain or snowmelt?	0	0 times = 0 points 1 time = 5 points 2 times = 10 points 3 times = 15 points	0
How many days last year was there a bypass, overflow or basement flooding by untreated wastewater due to equipment failure? (except plugged laterals)	0	0 times = 0 points 1 time = 5 points 2 times = 10 points 3 times = 15 points	0
<b>TOTAL PART II =</b>			0

B. Please specify whether the bypass(es) was caused a contract or tributary communities, etc.

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**Part III: NEW DEVELOPMENT**

A. Please complete the following table:

Question	Points Earned	Total Points
Has an industry (or other development) moved into the community or expanded production in the past two years, such that either flow or wastewater loadings to the sewerage system were significantly increased (10 - 20%)?	No = 0 points Yes = 10 points	0
Are there any major new developments (industrial, commercial, or residential) anticipated in the next 2 - 3 years, such that either flow or BOD <sub>5</sub> loadings to the sewerage system could significantly increase (25%)?	No = 0 points Yes = 10 points	0
<b>TOTAL PART III =</b>		0

B. Approximate number of new residential sewer connections in the last year

6 new residential connections

C. Approximate number of new commercial/industrial connections in the last year

1 new commercial/industrial connections

D. Approximate number of new population serviced in the last year

14 new people served

## Part IV: OPERATOR CERTIFICATION

A. How many collection system operators are currently employed by your facility?

5 collection system operators employed

B. What is/are the name(s) of your DRC operator(s)?

Keith Robinson, Jim Aziz, Gary Hall, Travis Clark, Jake Dutton  
Arkay Pugh

C. You are required to have the DRC operator(s) certified at *SMALL LAGOON SYSTEM*.

What is the current grade of the DRC operator(s)? Collection II

D. State of Utah Administrative Rules require all operators considered to be in DRC to be appropriately certified. List all the operators in your system by their certification class.

<i>Not Certified</i>	Arkay Pugh
Small Lagoons	Travis, Jake, Gary
Collection I	
Collection II	Keith, Jim
Collection III	
Collection IV	

E. Please complete the following table:

Question	Points Earned	Total Points
Is/are your DRC operator(s) currently certified at the appropriate grade for this facility? (see C)	Yes = 0 points No = 50 points	0
How many continuing education units has each of the DRC operator(s) completed over the last 3 years?	3 or more = 0 points less than 3 = 10 points	0
<b>TOTAL PART IV =</b>		<b>0</b>

**Part V: FACILITY MAINTENANCE**

A. Please complete the following table:

Question	Points Earned	Total Points
Do you follow an annual preventative maintenance program?	Yes = 0 points	0
	No = 30 points	
Is it written?	Yes = 0 points	0
	No = 20 points	
Do you have a written emergency response plan?	Yes = 0 points	0
	No = 20 points	
Do you have an updated operations and maintenance manual	Yes = 0 points	0
	No = 20 points	
Do you have a written safety plan?	Yes = 0 points	0
	No = 20 points	
<b>TOTAL PART V =</b>		0

**Part VI: SUBJECTIVE EVALUATION**

*This section should be with the system operators.*

A. Describe the physical condition of the sewer collection system: (lift stations, etc. included)

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The collection system is in fair shape. We are starting to have roots grow in the

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Joints of the 50 year old clay pipe.

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B. What sewerage system improvements does the community have under consideration for the next 10 years?

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**Part VI: SUBJECTIVE EVALUATION (cont.)**

- C. Explain what problems, other than plugging have you experienced over the last year

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- D. Is your community presently involved in formal planning for system expansion/upgrading? If so explain.

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- E. How many times in the last year were there sewage in basements at any point in the collection system for any reason, except plugging of the lateral connections?

  0   times sewage was in basements

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

ALWAYS   X             SOMETIMES                  NO       

If they do, what percentage is paid?

approximately  100  %

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

YES   X             NO



## POINT SUMMATION

Fill in the values from Parts II through V in the blanks provided in column 1. Add the numbers to determine the MWPP point total that your wastewater facility has generated for the past twelve months.

Part	Points
II	0
III	0
IV	0
V	0
Total	0

# Municipal Wastewater Planning Program (MWPP)

## Non-Discharging Lagoon Facility Section

Owner Name: *CITY OF KANAB*

Name and Title of Contact Person:

Keith Robinson

Public Works Director

Phone: 435 644 2534

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**PLEASE SUBMIT TO STATE BY: July 1, 2010**

Mail to: MWPP - Department of Environmental Quality  
c/o Paul Krauth, P.E.  
Division of Water Quality  
195 North 1950 West  
P.O. Box 144870  
Salt Lake City, Utah 84114-4870  
Phone : (801) 536-4346

Form completed by

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Keith Robinson

## Part I: INFLUENT INFORMATION

- A. Please update (if needed) the average design flow and average design BOD<sub>5</sub> and TSS loading for your facility.

	Average Design Flow (MGD)	Average Design BOD <sub>5</sub> Loading (lbs/day)	Average Design TSS Loading (lbs/day)
Design Criteria	<b>.705</b>	<b>1200</b>	<b>1200</b>
90% of the Design Criteria	.639	1080	1080

- B. Please list the average monthly flows in millions of gallons per day (MGD) and BOD<sub>5</sub> and TSS loadings in milligrams per liter (mg/L) **received** at your facility during 2008. (Calculate the BOD<sub>5</sub> and TSS loadings in pounds per day (lbs/day)).

Month	(1) Average Monthly Flow (MGD)	(2) Average Monthly BOD <sub>5</sub> Concentration (mg/L)	(3) Average BOD <sub>5</sub> Loading (lbs/day) <sup>1</sup>	(4) Average Monthly TSS Concentration (mg/L)	(5) Average TSS Loading (lbs/day) <sup>2</sup>
January	.189				
February	.211				
March	.210				
April	.230				
May	.250				
June	.266				
July	.261				
August	.260				
September	.259				
October	.243				
November	.200				
December	.207				
Average	.230				

<sup>1</sup> BOD<sub>5</sub> Loading (3) = Average Monthly Flow (1) x Average Monthly BOD<sub>5</sub> Concentration (2) x 8.34

<sup>2</sup> TSS Loading (5) = Average Monthly Flow (1) x Average Monthly TSS Concentration (4) x 8.34

**Part I. INFLUENT INFORMATION (cont.)**

C. Refer to the information in A & B to determine a point value for your facility. Please enter the points for each question in the blank provided.

Question	Number	Points Earned	Total Points
How many times did the average monthly flow (Part B., Column 1) to the wastewater facility exceed 90% of design flow?	0	0 = 0 points 1 - 2 = 10 points 3 - 4 = 20 points 5 or more = 30 points	0
How many times did the average monthly flow (Part B., Column 1) to the wastewater facility exceed the design flow?	0	0 = 0 points 1 - 2 = 20 points 3 - 4 = 40 points 5 or more = 60 points	0
How many times did the average monthly BOD <sub>5</sub> loading (Part B., Column 3) to the wastewater facility exceed 90% of the design loading?	0	0-1 = 0 points 1 - 2 = 10 points 3 - 4 = 20 points 5 or more = 30 points	0
How many times did the average monthly BOD <sub>5</sub> loading (Part B., Column 3) to the wastewater facility exceed the design loading?	0	0 = 0 points 1 - 2 = 20 points 3 - 5 = 40 points 5 or more = 60 points	0
<b>TOTAL PART I =</b>			0

**Part II: FACILITY AGE**

In what year were the following process units constructed or underwent a major upgrade? To determine a point score subtract the construction or upgrade year from 2008.

Points = Age = Present Year - Construction or Upgrade Year.

Enter the calculated age below.

**If the point total exceeds 20 points, enter only 20 points**

Unit Process	Present Year	Construction or Upgrade Year	Age = Points
Headworks	2009	1981	20
Lagoons (including aeration)	2009	1981	20
Disinfection	2009		
<b>TOTAL PART II (not greater than 20) =</b>			20

**Part III: BYPASSES**

Please complete the following table:

Question	Number	Points Earned	Total Points
How many days in the past year was there a bypass or overflow of untreated wastewater due to high flows?	0	0 = 0 points 1 = 5 points 2 = 10 points 3 = 15 points 4 = 20 points 5 or more = 25 points	0
How many days in the last year was there a bypass or overflow of untreated wastewater due to equipment failure?	0	0 = 0 points 1 = 5 points 2 = 10 points 3 = 15 points 4 = 20 points 5 or more = 25 points	0
<b>TOTAL PART III =</b>			0

**Part IV: NEW DEVELOPMENT**

A. Please complete the following table:

Question	Points Earned	Total Points
Has an industry (or other development) moved into the community or expanded production in the past two years, such that either flow or wastewater loadings to the sewerage system were significantly increased (10 - 20%)?	No = 0 points Yes = 10 points	0
Are there any major new developments (industrial, commercial, or residential) anticipated in the next 2 - 3 years, such that either flow or BOD <sub>5</sub> loadings to the sewerage system could significantly increase (25%)?	No = 0 points Yes = 10 points	0
Have you experienced any upset due to septage haulers?	No = 0 points Yes = 10 points	0
<b>TOTAL PART IV =</b>		0



E. Please complete the following table:

<i>Question</i>	Points Earned	Total Points
Is/are your DRC operator(s) currently certified at the appropriate grade for this facility? (see C)	Yes = 0 points No = 50 points	0
How many continuing education units has each of the DRC operator(s) completed over the last 3 years?	3 or more = 0 points less than 3 = 10 points	0
<b>TOTAL PART V =</b>		0

### Part VI: FACILITY MAINTENANCE

A. Please complete the following table:

Question	Points Earned	Total Points
Do you follow an annual preventative maintenance program?	Yes = 0 points No = 30 points	0
Is it written?	Yes = 0 points No = 20 points	0
Do you have a written emergency response plan?	Yes = 0 points No = 20 points	0
Do you have an updated operations and maintenance manual	Yes = 0 points No = 20 points	0
Do you have a written safety plan?	Yes = 0 points No = 20 points	0
<b>TOTAL PART VI =</b>		0

Part VII: SUBJECTIVE EVALUATION

*This section should be completed with the facility operators.*

- A. Do you consider your wastewater facility to be in good physical and structural condition?

YES  \_\_\_\_\_ NO \_\_\_\_\_

If NOT, why?

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- B. What improvements do you think the plant will need in the next 5 years?

Weed Control

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- C. Were there any backups into basements at any point in the collection system in 2009.

YES \_\_\_\_\_ NO  \_\_\_\_\_

Why? (do not include backups due to clogged laterals)

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

ALWAYS  \_\_\_\_\_ SOMETIMES \_\_\_\_\_ NO \_\_\_\_\_

If so, what percentage do they pay?

approximately 100 %

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

YES  \_\_\_\_\_ NO \_\_\_\_\_



## POINT SUMMATION

Fill in the values from Parts I through VII in the blanks provided in column 1. Add the numbers to determine the MWPP point total that your wastewater facility has generated for the past twelve months.

Part	Points
I	0
II	20
III	0
IV	0
V	0
VI	0
Total	20

# Municipal Wastewater Planning Program (MWPP)

## Financial Evaluation Section

Owner Name: *CITY OF KANAB*

Name and Title of Contact Person:

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Duane Huffman City Manager

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Phone: 435 644 2534

**PLEASE SUBMIT TO STATE BY: July 1, 2010**

Mail to: MWPP - Department of Environmental Quality  
c/o Paul Krauth, P.E.  
Division of Water Quality  
195 North 1950 West  
P.O. Box 144870  
Salt Lake City, Utah 84114-4870  
Phone : (801) 536-4346

*NOTE: This questionnaire has been compiled for your benefit by a state sponsored task force comprised of representatives of local government and service districts. It is designed to assist you in making an evaluation of your wastewater system and financial planning. Please answer questions as accurately as possible to give you the best evaluation of your facility. If you need assistance please call, Emily Cantõn. Utah Division of Water Quality: (801) 538-6070.*

I. Definitions: The following terms and definitions may help you complete the worksheets and questionnaire:

**User Charge (UC)** - A fee established for one or more class(es) of users of the wastewater treatment facilities that generate revenues to pay for costs of the system.

**Operation and Maintenance Expense** - Expenditures incurred for materials, labor, utilities, and other items necessary for managing and maintaining the facility to achieve or maintain the capacity and performance for which it was designed and constructed.

**Repair and Replacement Cost** - Expenditures incurred during the useful life of the treatment works for obtaining and installing equipment, accessories, and/or appurtenances necessary to maintain the existing capacity and the performance for which the facility was designed and constructed.

**Capital Needs** - Cost to construct, upgrade or improve the facility.

**Capital Improvement Reserve Account** - A reserve established to accumulate funds for construction and/or replacement of treatment facilities, collection lines or other capital improvement needs.

**Reserve for Debt Service** - A reserve for bond repayment as may be defined in accordance with terms of a bond indenture.

**Current Debt Service** - Interest and principal costs for debt payable this year.

**Repair and Replacement Sinking Fund** - A fund to accumulate funds for repairs and maintenance to fixed assets not normally included in operation expenses and for replacement costs (defined above).

## Part I: OPERATION AND MAINTENANCE

Complete the following table:

Question	Points Earned	Total
Are revenues sufficient to cover operation, maintenance, and repair & replacement (OM&R) costs <b>at this time</b> ?	YES = 0 points NO = 25 points	0
Are the projected revenues sufficient to cover operation, maintenance, and repair & replacement (OM&R) costs for the <b>next five years</b> ?	YES = 0 points NO = 25 points	0
Does the facility have sufficient staff to ensure proper O&M?	YES = 0 points NO = 25 points	0
Has a dedicated sinking fund been established to provide for repair & replacement costs?	YES = 0 points NO = 25 points	0
Is the repair & replacement sinking fund adequate to meet anticipated needs?	YES = 0 points NO = 25 points	0
<b>TOTAL PART I =</b>		<b>0</b>

## Part II: CAPITAL IMPROVEMENTS

Complete the following table:

Question	Points Earned	Total
Are present revenues collected sufficient to cover all costs and provide funding for capital improvements?	YES = 0 points NO = 25 points	25
Are projected funding sources sufficient to cover all projected capital improvement costs for the <b>next five years</b> ?	YES = 0 points NO = 25 points	0
Are projected funding sources sufficient to cover all projected capital improvement costs for the <b>next ten years</b> ?	YES = 0 points NO = 25 points	25
Are projected funding sources sufficient to cover all projected capital improvement costs for the <b>next twenty years</b> ?	YES = 0 points NO = 25 points	25
Has a dedicated sinking fund been established to provide for future capital improvements?	YES = 0 points NO = 25 points	0
<b>TOTAL PART II =</b>		<b>75</b>

**Part III: GENERAL QUESTIONS**

Complete the following table:

Question	Points Earned	Total
Is the wastewater treatment fund a separate enterprise fund/account or district?	YES = 0 points NO = 25 points	0
Are you collecting <b>95%</b> or more of your sewer billings?	YES = 0 points NO = 25 points	0
Is there a review, at least annually, of user fees?	YES = 0 points NO = 25 points	0
Are bond reserve requirements being met if applicable?	YES = 0 points NO = 25 points	0
<b>TOTAL PART III =</b>		<b>0</b>

**Part IV: PROJECTED NEEDS**

Estimate as best you can the following:

Cost of projected capital improvements (in thousands)	2010	2011	2012	2013	2014
	10,000				20,000

**Point Summation**

Fill in the values from Parts I through III in the blanks provided in column 1. Add the numbers to determine the MWPP point total that reflects your present financial position for meeting your wastewater needs.

Part	Points
I	0
II	75
III	0
Total	75