

Permit

Permit ID: AK0022951 **Major:**

Permittee: JUNEAU, CITY & BOROUGH OF **Permittee Address:** 2009 RADCLIFFE ROAD
JUNEAU , AK99801

Facility: JUNEAU, CITY AND BOROUGH OF - MENDENHALL WWTF **Facility Location:** 2009 RADCLIFFE ROAD
MENDENHALL WWTF
JUNEAU , AK99801

Permitted Feature: 001 - External Outfall **Discharge:** 001-A - MENDENHALL RIVER DIFFUSER

Report Dates & Status

Monitoring Period: From 01/01/19 to 01/31/19 **DMR Due Date:** 02/15/19

Status: NetDMR Validated

Considerations for Form Completion

FC/Nov-April=1 Effluent & W-Wkly Ave FC/May-Oct=S Effluent & T- Wkly Avg Ammonia/May-Oct=S Effluent

Principal Executive Officer

First Name: Randall **Last Name:** Brown

Title: Supervisor **Telephone:** 907-586-0393

No Data Indicator (NODI)

Form NODI: -

Parameter		NODI	Quantity or Loading			Quality or Concentration			# of Ex.	Freq. of Analysis	Smpl. Type
Code	Name		Value 1	Value 2	Units	Value 1	Value 2	Value 3			

Parameter Code	Name	NODI	Quantity or Loading			Quality or Concentration			# of Ex.	Freq. of Analysis	Smpl. Type	
			Value 1	Value 2	Units	Value 1	Value 2	Value 3				Units
00010	Temperature, water deg. centigrade	Smpl.					=11.8	=12.6	04 - deg C	0	05/WK - Five Per Week	GR - GRAB
	1 - Effluent Gross											
	Season: 0	Req.					Req Mon MO AVG	Req Mon DAILY MX	04 - deg C		05/WK - Five Per Week	GR - GRAB
	NODI: -	NODI										
00300	Oxygen, dissolved [DO]	Smpl.				=1.7		=5.3	19 - mg/L	0	01/30 - Monthly	GR - GRAB
	1 - Effluent Gross											
	Season: 0	Req.				Req Mon DAILY MN		Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
	NODI: -	NODI										
X 00310	BOD, 5-day, 20 deg. C	Smpl.	=409	=1277	26 - lb/d		=23	=63	19 - mg/L	0	02/30 - Twice Per Month	24 - COMP24
	1 - Effluent Gross											
	Season: 0	Req.	<=1226 MO AVG	<=2452 DAILY MX	26 - lb/d		<=30 MO AVG	<=60 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - COMP24
	NODI: -	NODI										
00310	BOD, 5-day, 20 deg. C	Smpl.						=513	19 - mg/L	0	02/30 - Twice Per Month	24 - COMP24
	G - Raw Sewage Influent											
	Season: 0	Req.					Req Mon MO AVG		19 - mg/L		02/30 - Twice Per Month	24 - COMP24
	NODI: -	NODI										
00310	BOD, 5-day, 20 deg. C	Smpl.	=706		26 - lb/d		=35		19 - mg/L	0	02/30 - Twice Per Month	24 - COMP24
	W - See Comments											
	Season: 0	Req.	<=1839 WKLY AVG		26 - lb/d		<=45 WKLY AVG		19 - mg/L		02/30 - Twice Per Month	24 - COMP24
	NODI: -	NODI										
00400	pH	Smpl.				=6.6		=7.6	12 - SU	0	05/07 - Weekdays	GR - GRAB
	1 - Effluent Gross											
	Season: 0	Req.				>=6.5 INST MIN		<=8.5 INST MAX	12 - SU		05/07 - Weekdays	GR - GRAB
	NODI: -	NODI										
X 00530	Solids, total suspended	Smpl.	=427	=2594	26 - lb/d		=23	=128	19 - mg/L	0	02/30 - Twice Per Month	24 - COMP24
	1 - Effluent Gross											
	Season: 0	Req.	<=1226 MO AVG	<=2452 DAILY MX	26 - lb/d		<=30 MO AVG	<=60 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - COMP24
	NODI: -	NODI										
00530	Solids, total suspended	Smpl.						=620	19 - mg/L	0	02/30 - Twice Per Month	24 - COMP24
	G - Raw Sewage Influent											
	Season: 0	Req.					Req Mon MO AVG		19 - mg/L		02/30 - Twice Per Month	24 - COMP24
	NODI: -	NODI										
X 00530	Solids, total suspended	Smpl.	=1206		26 - lb/d		=59		19 - mg/L	0	02/30 - Twice Per Month	24 - COMP24
	W - See Comments											

Parameter		NODI	Quantity or Loading			Quality or Concentration			# of Ex.	Freq. of Analysis	Smpl. Type	
Code	Name	Req.	Value 1	Value 2	Units	Value 1	Value 2	Value 3	Units			
Season: 0		Req.	<=1839 WKLY AVG		26 - lb/d		<=45 WKLY AVG		19 - mg/L		02/30 - Twice Per Month	24 - COMP24
NODI: -		NODI										
00610	Nitrogen, ammonia total [as N]	Smpl.	=333	=333	26 - lb/d		=19	=19	19 - mg/L	0	01/30 - Monthly	24 - COMP24
1 - Effluent Gross												
Season: 0		Req.	<=1165 MO AVG	<=1655 DAILY MX	26 - lb/d		<=28.5 MO AVG	<=40.5 DAILY MX	19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI										
00900	Hardness, total [as CaCO3]	Smpl.					=70	=70	19 - mg/L	0	01/30 - Monthly	24 - COMP24
1 - Effluent Gross												
Season: 0		Req.					Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI										
01119	Copper, total recoverable	Smpl.	=0.4	=0.4	26 - lb/d		=23	=23	28 - ug/L	0	01/30 - Monthly	24 - COMP24
1 - Effluent Gross												
Season: 0		Req.	<=3.54 MO AVG	<=7.63 DAILY MX	26 - lb/d		<=86.7 MO AVG	<=187 DAILY MX	28 - ug/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI										
45613	Floating solids, waste or visible foam-visual	Smpl.						=0	9P - N=0;Y=1	0	01/30 - Monthly	VI - VISUAL
1 - Effluent Gross												
Season: 0		Req.						<=Req Mon DAILY MX	9P - N=0;Y=1		01/30 - Monthly	VI - VISUAL
NODI: -		NODI										
50050	Flow, in conduit or thru treatment plant	Smpl.	=2	=2.6	03 - MGD					0	99/99 - Continuous	RC - Recorder (auto)
1 - Effluent Gross												
Season: 0		Req.	Req Mon MO AVG	<=4.9 DAILY MX	03 - MGD						99/99 - Continuous	RC - Recorder (auto)
NODI: -		NODI										
74055	Coliform, fecal general	Smpl.					=1	=3	13 - #/100mL	0	02/07 - Twice Every Week	GR - GRAB
1 - Effluent Gross												
Season: 0		Req.					<=112 MO GEOMN	<=224 DAILY MX	13 - #/100mL		02/07 - Twice Every Week	GR - GRAB
NODI: -		NODI										
74055	Coliform, fecal general	Smpl.					=3		13 - #/100mL	0	02/07 - Twice Every Week	GR - GRAB
W - See Comments												
Season: 0		Req.					<=168 WK GEOMN		13 - #/100mL		02/07 - Twice Every Week	GR - GRAB
NODI: -		NODI										
81010	BOD, 5-day, percent removal	Smpl.				=95			23 - %	0	01/30 - Monthly	CA - CALCTD
K - Percent Removal												
Season: 0		Req.				>=85 MN % RMV			23 - %		01/30 - Monthly	CA - CALCTD

Parameter Code	Parameter Name	NODI	Quantity or Loading			Quality or Concentration			# of Ex.	Freq. of Analysis	Smpl. Type
			Value 1	Value 2	Units	Value 1	Value 2	Value 3			
NODI: -		NODI									
81011	Solids, suspended percent removal	Smpl.			=96			23 - %	0	01/30 - Monthly	CA - CALCTD
K - Percent Removal											
Season: 0		Req.			>=85 MN % RMV			23 - %		01/30 - Monthly	CA - CALCTD
NODI: -		NODI									
TT000	Toxicity, Chronic	Smpl.			=1	=1		73 - toxic	0	09/99 - See Permit	24 - COMP24
1 - Effluent Gross											
Season: 0		Req.			<=5.1 MO AVG	Req Mon DAILY MX		73 - toxic		09/99 - See Permit	24 - COMP24
NODI: -		NODI									

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00530	Solids, total suspended	1 - Effluent Gross	Quantity or Loading Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	<input checked="" type="checkbox"/>
00530	Solids, total suspended	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	<input checked="" type="checkbox"/>
00530	Solids, total suspended	W - See Comments	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	<input checked="" type="checkbox"/>
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	<input checked="" type="checkbox"/>

Comments

Attachments

Name	Type	Size
4286_001.pdf	pdf	111757

Report Last Saved By

JUNEAU, CITY & BOROUGH OF

User: CBJWASTEWATER1
 Name: James Westcott
 E-Mail: jim.westcott@juneau.org
 Date/Time: 2019-02-14 10:20 (Time Zone:-09:00)

Report Last Signed By

User: CBJWASTEWATER1
 Name: James Westcott
 E-Mail: jlm.westcott@juneau.org
 Date/Time: 2019-02-14 10:22 (Time Zone:-09:00)



Alaska Department of Environmental Conservation

Division of Water, Compliance and Enforcement Program

555 Cordova Street

Anchorage, Alaska 99501

Nationwide Toll Free: 1(877) 569-4114 Anchorage/International: (907) 269-4114

Fax: (907) 269-4604 E-mail address: dec-wqreporting@alaska.gov.

NONCOMPLIANCE NOTIFICATION

GENERAL INFORMATION		PERMIT# (if any): AK002295-1	
Owner or Operator: City and Borough of Juneau		Facility Name: Mendenhall Wastewater Treatment Facility	
Facility Location: Juneau, AK		Person Reporting: Jim Westcott	
Phone Numbers of Person Reporting: 907-586-0393		Reported How? (e.g. by phone): ADEC hotline	
Date/Time Event was Noticed: 1/11/2019 @ 1440 pm		Date/Time Reported: 1/14/19 @ 1030 am	
Name of DEC Staff Contacted: ADEC Hotline			
VERBAL NOTIFICATION MUST BE MADE TO ADEC WITHIN 24 HOURS OF DISCOVERY OF NONCOMPLIANCE			
INCIDENT DETAILS (attach additional sheets, lab reports, and photos as necessary)			
Period of Noncompliance	Start Date/Time (exact): 1/1/2019 @ 0803	End Date/Time (exact): 1/2/2019 @ 0803	
If noncompliance has not been corrected, provide a statement regarding the anticipated time the noncompliance is expected to continue: N/A			
Estimated Quantity involved (volume or weight): (2.43 mg)(63 mg/l)(8.34) ~ 1277 lbs. (2.43 mg)(128 mg/l)(8.34) ~ 2594 lbs.			
Description of the noncompliance and its cause (be specific): Unknown			
Actions taken to reduce, eliminate, and prevent reoccurrence of noncompliance and Actual/Potential Impact on Environmental Health (describe in detail) (e.g. Supplied drinking water to nearby well owners and informed well owners not to drink from wells until further notice) Increased waste removal from system.			
Permit Condition Deviation (Identify each permit condition exceeded during the event.)			
Parameter (e.g. BOD pH)	Permit Limit	Exceedance (sample result)	Sample Date
BOD mg/l	60 mg/l daily max.	63 mg/l	1/1/2019 – 1/2/2019
TSS mg/l	60 mg/l daily max.	128 mg/l	1/1/2019 – 1/2/2019
TSS mg/l	45 mg/l weekly max.	59 mg/l	1/7/2019 – 1/13/2019
TSS lbs.	2452 lbs. daily max.	2594 daily lbs.	1/1/2019 -- 1/2/2019
Corrective Actions (Attach a description of corrective actions taken to restore the system to normal operation and to minimize or eliminate chances of recurrence.) Increased waste removal from system.			
Environmental Damage: (if yes, provide details below)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input checked="" type="checkbox"/> Unknown	
Actual /Potential Impact on Environment/Public Health (describe in detail) Unknown			
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.			
Name: Jim Westcott	Title: Senior Operator	Signature:	Date: 1/15/2019
FORMS MUST BE SENT TO ADEC WITHIN FIVE DAYS OF BECOMING AWARE OF THE EVENT.			

