

Permit

Permit ID: AK0022951
Permittee: JUNEAU, CITY & BOROUGH OF
Facility: JUNEAU, CITY AND BOROUGH OF - MENDENHALL WWTF
Permitted Feature: 001 - External Outfall
Report Dates & Status
Monitoring Period: From 09/01/19 to 09/30/19
Status: NetDMR Validated

Major:
Permittee Address: 2009 RADCLIFFE ROAD
 JUNEAU , AK99801
Facility Location: 2009 RADCLIFFE ROAD
 JUNEAU , AK99801
Discharge: 001-A - MENDENHALL RIVER DIFFUSER
DMR Due Date: 10/15/19

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: Randal
Title: Wastewater Treatment Plant Supervisor
Last Name: Brown
Telephone: 907-586-0393

No Data Indicator (NODI)

Form NODI: -

Parameter Code	Name	NODI	Quantity or Loading			Quality or Concentration			Units	# of Ex.	Freq. of Analysis	Smpl. Type
			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			
00010	Temperature, water deg. centigrade	Smpl.					=19	=20.6	04 - deg C	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: -											
00300	Oxygen, dissolved [DO]	Smpl.				=2.48		=4.5	19 - mg/L	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: -											
00310	BOD, 5-day, 20 deg. C	Smpl.	=385	=639	26 - lb/d		=24	=37	19 - mg/L	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: -											
00310	BOD, 5-day, 20 deg. C	Smpl.						=614	19 - mg/L	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: -											
00310	BOD, 5-day, 20 deg. C	Smpl.	=550		26 - lb/d		=33		19 - mg/L	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: -											
00400	pH	Smpl.			=7			=8.4	12 - SU	05/07 - Weekdays	GR - GRAB
1 - Effluent Gross											
Season: 2		Req.			>=6.3 INST MIN			<=8.5 INST MAX	12 - SU	05/07 - Weekdays	GR - GRAB
NODI: -											
00410	Alkalinity, total [as CaCO3]	Smpl.					=160	=160	19 - mg/L	01/90 - Quarterly	24 - COMP24
1 - Effluent Gross											
Season: 0		Req.					Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly	24 - COMP24
NODI: -											
00530	Solids, total suspended	Smpl.	=354	=796	26 - lb/d		=22	=53	19 - mg/L	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: -											
00530	Solids, total suspended	Smpl.						=564	19 - mg/L	02/30 - Twice Per Month	24 - COMP24
G - Raw Sewage Influent											
Season: 0		Req.					Req Mon MO AVG		19 - mg/L		24 - COMP24

Parameter Code	Parameter Name	NODI	Quantity or Loading			Quality or Concentration			Units	# of Ex.	Freq. of Analysis	Smpl. Type
			Value 1	Value 2	Units	Value 1	Value 2	Value 3				
NODI: -												
00530	Solids, total suspended	Smpl.	=619		26 - lb/d	=42			19 - mg/L		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: -												
00610	Nitrogen, ammonia total [as N]	Smpl.				=17	=17		19 - mg/L		01/30 - Monthly	24 - COMP24
1 - Effluent Gross												
Season: 2		Req.				Req Mon MO AVG	Req Mon DAILY MX		19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -												
00900	Hardness, total [as CaCO3]	Smpl.				=150	=150		19 - mg/L		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: -												
01119	Copper, total recoverable	Smpl.	=0.54	=0.54	26 - lb/d	=36	=36		28 - ug/L		01/30 - Monthly	24 - COMP24
1 - Effluent Gross												
Season: 2		Req.	<=1.82 MO AVG	<=3.92 DAILY MX	26 - lb/d	<=44.5 MO AVG	<=95.8 DAILY MX		28 - ug/L		01/30 - Monthly	24 - COMP24
NODI: -												
45613	Floating solids, waste or visible foam-visual	Smpl.					=0		9P - N=0;Y=1		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: -												
50050	Flow, in conduit or thru treatment plant	Smpl.	=1.78	=2.47	03 - MGD						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: -												
74055	Coliform, fecal general	Smpl.				=2	=7		13 - #/100mL		01/07 - Weekly	GR - GRAB
1 - Effluent Gross												
Season: 2		Req.				<=200 MO GEOMN	<=800 DAILY MX		13 - #/100mL		01/07 - Weekly	GR - GRAB
NODI: -												
74055	Coliform, fecal general	Smpl.				=4			13 - #/100mL		01/07 - Weekly	GR - GRAB
W - See Comments												
Season: 2		Req.				<=400 WK GEOMN			13 - #/100mL		01/07 - Weekly	GR - GRAB
NODI: -												
81010	BOD, 5-day, percent removal	Smpl.			=96				23 - %		01/30 - Monthly	CA - CALCTD

Parameter Code	Parameter Name	NODI	Quantity or Loading			Quality or Concentration			Units	# of Ex.	Freq. of Analysis	Smpl. Type
			Value 1	Value 2	Units	Value 1	Value 2	Value 3				
K - Percent Removal												
Season: 0		Req.				>=85 MN % RMV			23 - %		01/30 - Monthly	CA - CALCTD
NODI: -		NODI										
81011	Solids, suspended percent removal	Smpl.				=98			23 - %			
K - Percent Removal												
Season: 0		Req.				>=85 MN % RMV			23 - %		01/30 - Monthly	CA - CALCTD
NODI: -		NODI										
TT000	Toxicity, Chronic	Smpl.										
1 - Effluent Gross												
Season: 6		Req.					Req Mon MO AVG	Req Mon DAILY MX	73 - toxic		09/99 - See Permit	24 - COMP24
NODI: -		NODI					9 - Conditional Monitoring - Not Required This Period	9 - Conditional Monitoring - Not Required This Period				

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

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

JUNEAU, CITY & BOROUGH OF

User: CBJWASTEWATER2
 Name: Catherine Carlson
 E-Mail: catherine.carlson@juneau.org
 Date/Time: 2019-10-08 17:12 (Time Zone:-08:00)

Report Last Signed By

User: CBJWASTEWATER2
 Name: Catherine Carlson
 E-Mail: catherine.carlson@juneau.org
 Date/Time: 2019-10-08 17:13 (Time Zone:-08:00)

MENDENHALL WASTEWATER TREATMENT FACILITY

Juneau, Alaska

September 2019

		FLOWS										Influent						Effluent					
DAY	DATE	SBR INFLUENT MGD	precip	SBR TTL EFFLU MGD	SBR WASTE MGD	TEMP °C	pH	D.O. mg/L	INF TSS mg/L	INF TSS LBS	INF BOD mg/L	INF BOD LBS	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	Turbidity on FC Grab	FECAL COLIFORM /100 ml		
Sun	1	1.44		1.46	0.0403	16.0	7.4	2.2					18.1	7.1	4.23								
Mon	2	1.76		1.75	0.0864	17.3	7.7	1.4					19.1	7.1	3.39							1	
Tue	3	1.79		1.82	0.0821	16.9	9.5	1.9	445	6643	620	9256	19.4	7.0	3.79	9	137	17	173	20	254	2	
Wed	4	1.72		1.79	0.0779	16.9	7.6	1.6	338	4877	590	8513	19.5	7.0	3.71	12	173	20	173	20	289		
Thu	5	1.64		1.73	0.0895	17.1	7.7	1.8					20.6	6.9	3.22								
Fri	6	1.50		1.51	0.0726																		
Sat	7	1.33		1.39	0.0601																		
Sun	8	1.38		1.41	0.0705																		
Mon	9	1.55		1.67	0.0671	15.5	7.9	1.0					19.1	7.1	3.29								
Tue	10	1.54		1.68	0.0899	16.0	7.0	1.9	647	9065	810	11349	19.0	7.0	3.3	11	154	15	154	15	210	1	
Wed	11	1.58		1.63	0.1129	17.1	6.8	1.5	588	7993	560	7613	20.4	6.8	2.9	18	245	17	245	17	231	2	
Thu	12	1.57		1.61	0.0767	18.9	7.0	3.2	600	8056	640	8594	19.6	6.9	3.0	14	188	17	188	17	228		
Fri	13	1.73		1.68	0.1078	17.2	8.4	1.9					20.3	8.4	4.5								
Sat	14	1.82		1.73	0.0827																		
Sun	15	1.42		1.45	0.0747																		
Mon	16	1.71		1.76	0.1018	17.4	6.7	1.8					18.6	7.0	2.9								
Tue	17	1.70		1.80	0.0892	17.2	6.8	2.0	780	11709	820	12310	18.3	7.2	2.9	53	796	37	796	37	555	7	
Wed	18	1.78		1.77	0.1335	16.6	7.2	1.8	607	8960	660	9743	19.0	7.0	2.5	30	443	29	443	29	428	2	
Thu	19	1.81		1.84	0.1563	16.6	7.6	2.7					19.3	6.9	3.0								
Fri	20	2.04		2.14	0.0706	17.4	7.7	2.9					19.4	6.8	2.6								
Sat	21	2.03		2.11	0.0483																		
Sun	22	1.91		1.81	0.1378	18.2	6.9	2.6					18.8	6.9	3.2								
Mon	23	1.97		1.84	0.1491	17.8	6.9	2.7	515	10308	480	9608	18.6	6.9	3.2	16	320	25.0	320	25.0	500	1	
Tue	24	2.36		2.40	0.1317	16.5	6.8	4.1	580	11948	450	9270	17.8	6.7	3.2	27	556	31	556	31	639	1	
Wed	25	2.44		2.47	0.1666	16.9	6.9	3.3	540	8647	510	8167	17.6	6.6	2.8	33	528	32	528	32	512		
Thu	26	2.30		1.92	0.1344	17.2	7.1	3.8															
Fri	27	1.87		1.91	0.1071																		
Sat	28	1.66		1.73	0.0974																		
Mon	29	1.66		1.78	0.0882																		
Tue	30	1.80		1.94	0.1117																		
TOTAL		52.81		53.53	2.9149																		
MAXIMUM		2.44		2.47	0.1666	18.9	9.5	4.1	780	11948	820	12310	20.6	8.4	4.5	53	796	37	796	37	639	7	
MINIMUM		1.33		1.39	0.0403	15.5	6.7	1.0	338	4877	450	7613	17.2	6.4	2.5	9	137	15.0	15.0	15.0	210	1	
AVERAGE *		1.76		1.78	0.0972	17.0	7.0	2.3	564	8821	614	9442	19.0	7.0	3.3	22	354	24	354	24	385	2	
Number of Analyses		30		30		20	20	20	10	10	10	10	20	20	20	10	10	10	10	10	10	8	

2019		2019 Metals		% REMOVAL	
Hrd. mg/l	150	ug/L (ppm)	LBS	B.O.D.	96
Alk. mg/l	160	Copper	0.54	S.S.	98
		Lead	0.00	Floating Solids	
		Silver	0.00	Waste, or Foam	
		Zinc	0.00	Pass/Fail	P
		NH3 mg/L	17		

WEEKLY AVERAGE		WEEKLY AVERAGE		WEEKLY	
WEEK	BOD mg/l	lbs	mg/l	lbs	COLIFORM
1	19	271	11	155	1.4
2	16	223	14	196	1.4
3	33	492	42	619	3.7
4	29	550	25	468	1.0
MAX	33	550	42	619	3.7

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

CONTACT NAME: 2009 Radcliffe Rd.
 MAILING ADDRESS: Juneau, AK 99801

FACILITY: MENDENHALL WW TREATMENT FACILITY
 LOCATION: 2009 RADCLIFFE RD
 Juneau, AK 99801

PERMIT NUMBER: AK0022951
 MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER
 MONITORING PERIOD: 9/1/19 TO 9/30/19
 NO DISCHARGE:

Parameter	Sample meas.	Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Fecal Coliform	*****	*****	*****		*****	4	*****	cts/100 ml		Weekly	Grab
W - See Comments 74055	Permit reqmt.	*****	*****		*****	400 weekly geometric mean	*****				
BOD5 Minimum % Removal	Sample meas.	*****	*****		96	*****	*****	%		Monthly	Calculation
K - Percent Removal 81010	Permit reqmt.	*****	*****		85 minimum	*****	*****				
Total Suspended Solids Minimum % Removal	Sample meas.	*****	*****		98	*****	*****	%		Monthly	Calculation
K - Percent Removal 81011	Permit reqmt.	*****	*****		85 minimum	*****	*****				

COMMENTS:
 W = Weekly Limits;

Mail this report when completed to ADEC, Division of Water, 555 Cordova Street, Anchorage, AK 99501-2617
 Attach an explanation of any violations. Reference all attachments below.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER
TYPED OR PRINTED		Y M D

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

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 MAILING ADDRESS: 2009 Radcliffe Rd.
 Juneau, AK 99801

FACILITY: MENDENHALL WW TREATMENT FACILITY
 LOCATION: 2009 RADCLIFFE RD
 Juneau, AK 99801

PERMIT NUMBER: AK0022951
 MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER
 MONITORING PERIOD: 9/1/19 TO 9/30/19
 NO DISCHARGE:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type	
	Average	Maximum		Minimum	Average					Maximum
Copper Total Recoverable	Sample meas. 0.54	1.82 monthly average	3.92 daily maximum	lbs/day	*****	44.5 monthly average	95.8 daily maximum	ug/l	Monthly	24-Hr Composite
Chronic Toxicity	Sample meas. *****	*****	*****	*****	*****	NA	NA	TUC	See Permit Requirements	24-Hr Composite
Floating solids, waste or visible foam-visual	Sample meas. *****	*****	*****	*****	*****	*****	P	pass/rail	Monthly	Visual
Flow	Sample meas. 1.78	4.9 daily maximum	MGD	*****	*****	*****	*****	*****	Continuous	Recorded
Fecal Coliform	Sample meas. *****	*****	*****	*****	*****	2	7	800 cts/100 ml	Weekly	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPED OR PRINTED	TELEPHONE DATE
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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER Y M D

Alaska Department of Environmental Conservation Monthly Discharge Monitoring Report (DMR)

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 MAILING ADDRESS: Juneau, AK 99801

FACILITY: MENDENHALL WW TREATMENT FACILITY
 LOCATION: 2009 RADCLIFFE RD
 Juneau, AK 99801

PERMIT NUMBER: AK0022951
 MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

MONITORING PERIOD: 9/1/19

TO 9/30/19
 NO DISCHARGE:

Parameter	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
	Average	Maximum		Minimum	Average				
Ammonia Nitrogen (as N) 1 - Final Effluent 00610	Sample meas.	*****		*****					
	Permit reqmt.	*****		*****				Monthly	24-Hr Composite
Hardness, Total (as CaCO3) 1 - Final Effluent 00900	Sample meas.	*****		*****					
	Permit reqmt.	*****		*****				Monthly	24-Hr Composite
Silver Total Recoverable 1 - Final Effluent 01079	Sample meas.	*****		*****					
	Permit reqmt.	*****		*****				See Permit Requirements	24-Hr Composite
Zinc Total Recoverable 1 - Final Effluent 01094	Sample meas.	*****		*****					
	Permit reqmt.	*****		*****				See Permit Requirements	24-Hr Composite
Lead Total Recoverable 1 - Final Effluent 01114	Sample meas.	*****		*****					
	Permit reqmt.	*****		*****				See Permit Requirements	24-Hr Composite

NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: _____

TELEPHONE: _____ DATE: _____

AREA | NUMBER: _____ Y | M | D: _____

TYPED OR PRINTED

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 LOCATION: 2009 RADCLIFFE RD
 Juneau, AK 99801

PERMIT NUMBER: AK0022951
 MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

MONITORING PERIOD: 9/1/19

TO 9/30/19
 NO DISCHARGE:

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
			Minimum	Average				
Temperature (C)	Sample meas.	*****	*****	19.0	*****	20.6	5X Weekly	Grab
	Permit reqmt.	*****	Report monthly average	Report daily maximum	DEG.C	1 - Final Effluent 00010		
Dissolved Oxygen	Sample meas.	*****	2.48	*****	4.5	Report daily maximum	Monthly	Grab
	Permit reqmt.	*****	Report daily minimum	Report daily maximum	mg/l			
Biochemical Oxygen Demand (BOD5)	Sample meas.	385	*****	24	37	Report monthly average	2X Monthly	24-Hr Composite
	Permit reqmt.	1226 monthly average	*****	30	60			
Biochemical Oxygen Demand (BOD5)	Sample meas.	*****	*****	614	*****	Report monthly average	2X Monthly	24-Hr Composite
	Permit reqmt.	*****	*****	Report monthly average	mg/l			
Biochemical Oxygen Demand (BOD5)	Sample meas.	550	*****	33	*****	Report weekly average	2X Monthly	24-Hr Composite
	Permit reqmt.	1839 weekly average	*****	45	*****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
TYPED OR PRINTED				AREA NUMBER	Y M D

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 MAILING ADDRESS: Juneau, AK 99801

FACILITY: MENDENHALL WW TREATMENT FACILITY
 LOCATION: 2009 RADCLIFFE RD
 Juneau, AK 99801

PERMIT NUMBER: AK0022951
 OUTFALL / MONITORING POINT: 001A MENDENHALL RIVER DIFFUSER

MONITORING PERIOD: 9/1/19 TO 9/30/19
 NO DISCHARGE:

Parameter	Sample meas.	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average				
pH	1 - Final Effluent 00400	*****	*****	S.U.	6.1	8.4	5X Weekly	Grab		
		*****	*****		6.5 instantaneous minimum	8.5 instantaneous maximum				
Alkalinity, Total (as CaCO3)	1 - Final Effluent 00410	*****	*****	mg/l	160	160	Quarterly	24-Hr Composite		
		*****	*****		Report monthly average	Report daily maximum				
Total Suspended Solids	1 - Final Effluent 00530	354	796	mg/l	22	53	2X Monthly	24-Hr Composite		
		1226 monthly average	2452 daily maximum		30 monthly average	60 daily maximum				
Total Suspended Solids	G - Influent 00530	*****	*****	mg/l	564	*****	2X Monthly	24-Hr Composite		
		*****	*****		Report monthly average	*****				
Total Suspended Solids	W - See Comments 00530	619	*****	mg/l	42	*****	2X Monthly	24-Hr Composite		
		1839 weekly average	*****		45 weekly average	*****				

NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER	TELEPHONE:	DATE:
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.		
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA NUMBER
		Y M D



641 W. Willoughby Ave., Suite 301 Juneau, AK 99801
 (907) 463 - 4415 Fax (480) 247 - 4476
 www.admiraltyenvironmental.com

CBJ Wastewater: Mendenhall TP

Permit AK0022951 Compliance
 September 25, 2019
 Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976
 AE 23681

Sample Location	Effluent Composite	Influent Composite	Effluent Grab
Date & Time Sampled	9/25/19; 09:24	9/25/19; 09:25	9/25/19; 08:24
Fecal Coliform (FC/100 mL)	---	---	<2.0
BOD (mg/L)	31	450	---
TSS (mg/L)	27	580	---
COD (mg/L)	80	1000	---

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met
FC	<2.0	---	---	---	9/25/19; 13:13	Yes
BOD	<2.0	103.5%	102.0%	1.5%	9/26/19; 08:30	Yes
TSS	<4.0	97.0%	98.0%	1.0%	9/27/19; 12:26	Yes
COD	<15	100.6%	100.0%	0.6%	9/27/19; 10:12	Yes

Analysis Description:

Analysis	Method	MDL	PQL	Unit
FC	SM 9222D	1.0	2.0	FC/100ml
BOD	SM 5210B	2.0	2.0	mg/L
TSS	SM 2540D	1.0	4.0	mg/L
COD	SM 5220D	4.0	15	mg/L

Case Narrative:

All sample analysis QA/QC parameters were met for this event.

Key:

BOD	Biochemical Oxygen Demand
COD	Chemical Oxygen Demand
FC	Fecal Coliform
LCS	Laboratory Control Standard
MB	Method Blank
MDL	Method Detection Limit
mg/L	Milligrams Per Liter
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TSS	Total Suspended Solids

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CBJ Wastewater: Mendenhall TP

Permit AK0022951 Compliance
 September 26, 2019
 Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976
 AE 23687

Sample Location	Effluent Composite	Influent Composite
Date & Time Sampled	9/26/2019; 09:29	9/26/2019; 09:30
BOD (mg/L)	32	510
TSS (mg/L)	33	540
COD (mg/L)	83	990

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met
BOD	<2.0	85.4%	82.8%	3.1%	09/27/2019; 09:30	Yes
TSS	<4.0	97.0%	98.0%	1.0%	09/27/2019; 12:26	Yes
COD	<15	100.6%	100.0%	0.6%	09/27/2019; 10:12	Yes

Analysis Description:

Analysis	Method	MDL	PQL	Unit
BOD	SM 5210B	2.0	2.0	mg/L
COD	SM 5220D	4.0	15	mg/L
TSS	SM 2540D	1.0	4.0	mg/L

Case Narrative:

All sample analysis QA/QC parameters were met for this event.

Key:

BOD	Biochemical Oxygen Demand
COD	Chemical Oxygen Demand
LCS	Laboratory Control Standard
MB	Method Blank
MDL	Method Detection Limit
mg/L	Milligrams Per Liter
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TSS	Total Suspended Solids

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PROJECT NAME: CBJ Wastewater Mendenhall Treatment Plant Permit # AK-002295-1		ADEC Compliance		AE AE 23687	
REPORT TO: City and Borough of Juneau email: jim.westcott@juneau.org		PHONE#: (907) 586-0393		pH check	
ADDRESS: 2009 Radcliffe Road Juneau, AK 99801		SAMPLED BY:		BOD and TSS	
				Fecal Coliform	
				# OF BOTTLES	
				MATRIX	
DATE	TIME	SITE DESCRIPTION / IDENTIFIER			
9.26.19	0929	MWTP Effluent 24hr Composite	H ₂ O	2	
9.26.19	0930	MWTP Influent 24hr Composite	H ₂ O	2	
		MWTP Effluent Grab	H ₂ O		
Comments:					
Section to be completed by receiving laboratory					
Relinquished by: (signature) 		Relinquished by: (print) Dave Milne		Date: 9-26-19 Time: 1123	
Received by: (signature) 		Received by: (print) Ryan Hosman		Date: 9-26-19 Time: 1123	
Relinquished by: (signature) 		Relinquished by: (print) Ryan Hosman		Date: 9-26-19 Time: 1209	
Received by: (signature) 		Received by: (print) Sharon Oxtos		Date: 9/26/19 Time: 1209	
Sample Receipt:					
Temp (°C): 2.36		Bottles Intact: Yes/No <u>Yes</u>		Sufficient Sample Volume: <u>Yes</u>	
Thermo ID#: Lab#7		Labels Agree with COC: <u>Yes</u>		Received within holding time: <u>Yes</u>	
Condition of Custody sea: <u>✓</u>		Problems: <u>N/C</u>		# bottles rvd: <u>4</u>	
Initialed By: <u>SVC</u>					
Shipped Via:					