

Permit

Permit ID: AKG572004
Permittee: City and Borough of Juneau
Facility: AUKE BAY 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: 11825 GLACIER HWY
 JUNEAU , AK99801
Discharge: 001-A - Discharge into Auke Bay
DMR Due Date: 10/15/19

Considerations for Form Completion

W=Average Weekly Effluent Limits

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	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			

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			
00300	Oxygen, dissolved [DO]	Smpl.			=2.8				19 - mg/L	01/30 - Monthly	GR - GRAB
	1 - Effluent Gross										
	Season: 0	Req.			>=2 DAILY MN				19 - mg/L	01/30 - Monthly	GR - GRAB
	NODI: -	NODI									
00310	BOD, 5-day, 20 deg. C	Smpl.	=4.7	=7	26 - lb/d	=10	=15		19 - mg/L	01/30 - Monthly	CG - CMPGRB
	1 - Effluent Gross										
	Season: 0	Req.	<=40 MO AVG	<=80 DAILY MX	26 - lb/d	<=30 MO AVG	<=60 DAILY MX		19 - mg/L	01/30 - Monthly	CG - CMPGRB
	NODI: -	NODI									
00310	BOD, 5-day, 20 deg. C	Smpl.				=257.5			19 - mg/L	01/30 - Monthly	CG - CMPGRB
	G - Raw Sewage Influent										
	Season: 0	Req.				Req Mon MO AVG			19 - mg/L	01/30 - Monthly	CG - CMPGRB
	NODI: -	NODI									
00310	BOD, 5-day, 20 deg. C	Smpl.	=6.1		26 - lb/d	=13.5			19 - mg/L	01/30 - Monthly	CG - CMPGRB
	W - See Comments										
	Season: 0	Req.	<=60 WKLY AVG		26 - lb/d	<=45 WKLY AVG			19 - mg/L	01/30 - Monthly	CG - CMPGRB
	NODI: -	NODI									
00400	pH	Smpl.			=7		=8.3		12 - SU	03/07 - Three Per Week	GR - GRAB
	1 - Effluent Gross										
	Season: 0	Req.			>=6 DAILY MN		<=9 DAILY MX		12 - SU	03/07 - Three Per Week	GR - GRAB
	NODI: -	NODI									
00530	Solids, total suspended	Smpl.	=2.2	=3.7	26 - lb/d	=5.2	=8.4		19 - mg/L	01/30 - Monthly	CG - CMPGRB
	1 - Effluent Gross										
	Season: 0	Req.	<=40 MO AVG	<=80 DAILY MX	26 - lb/d	<=30 MO AVG	<=60 DAILY MX		19 - mg/L	01/30 - Monthly	CG - CMPGRB
	NODI: -	NODI									
00530	Solids, total suspended	Smpl.				=195.5			19 - mg/L	01/30 - Monthly	CG - CMPGRB
	G - Raw Sewage Influent										
	Season: 0	Req.				Req Mon MO AVG			19 - mg/L	01/30 - Monthly	CG - CMPGRB
	NODI: -	NODI									
00530	Solids, total suspended	Smpl.	=3		26 - lb/d	=8			19 - mg/L	01/30 - Monthly	CG - CMPGRB
	W - See Comments										
	Season: 0	Req.	<=60 WKLY AVG		26 - lb/d	<=45 WKLY AVG			19 - mg/L	01/30 - Monthly	CG - CMPGRB
	NODI: -	NODI									
50050	Flow, in conduit or thru treatment plant	Smpl.	=0.06	=0.1	03 - MGD					05/WK - Five Per Week	MS - MEASRD

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			
1 - Effluent Gross											
Season: 0		Req.	Req Mon MO AVG	<=.16 DAILY MX	03 - MGD					05/WK - Five Per Week	MS - MEASRD
NODI: -		NODI									
50060	Chlorine, total residual	Smpl.				=0.05	=0.22	19 - mg/L		03/07 - Three Per Week	GR - GRAB
1 - Effluent Gross											
Season: 0		Req.				<=.5 MO AVG	<=1 DAILY MX	19 - mg/L		03/07 - Three Per Week	GR - GRAB
NODI: -		NODI									
61211	Enterococci	Smpl.				=46	=46	13 - #/100mL		09/99 - See Permit	GR - GRAB
1 - Effluent Gross											
Season: 1		Req.				Req Mon MO AVG	Req Mon DAILY MX	13 - #/100mL		09/99 - See Permit	GR - GRAB
NODI: -		NODI									
74055	Coliform, fecal general	Smpl.				=19.5	=52	13 - #/100mL		01/30 - Monthly	GR - GRAB
1 - Effluent Gross											
Season: 0		Req.				<=200 MO GEOMN	<=800 DAILY MX	13 - #/100mL		01/30 - Monthly	GR - GRAB
NODI: -		NODI									
81010	BOD, 5-day, percent removal	Smpl.			=96			23 - %		01/30 - Monthly	CA - CALCTD
K - Percent Removal											
Season: 0		Req.			>=85 MINIMUM			23 - %		01/30 - Monthly	CA - CALCTD
NODI: -		NODI									
81011	Solids, suspended percent removal	Smpl.			=97			23 - %		01/30 - Monthly	CA - CALCTD
K - Percent Removal											
Season: 0		Req.			>=85 MINIMUM			23 - %		01/30 - Monthly	CA - CALCTD
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

No errors.

Comments**Attachments**

No attachments.

Report Last Saved By**City and Borough of Juneau**

User: CBJWASTEWATER2
Name: Catherine Carlson
E-Mail: catherine.carlson@juneau.org
Date/Time: 2019-10-08 18:41 (Time Zone:-08:00)

Report Last Signed By

User: CBJWASTEWATER2
Name: Catherine Carlson
E-Mail: catherine.carlson@juneau.org
Date/Time: 2019-10-08 18:42 (Time Zone:-08:00)

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AUKE BAY WASTEWATER TREATMENT FACILITY - JUNEAU, ALASKA
 Juneau, Alaska
 September 2019

FLOWS										INFLUENT										EFFLUENT										MISCELLANEOUS									
DAY	DATE	INFLUENT MGD	WASTE SLUDGE MGD	TEMP °C	pH	D.O. mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	FOG mg/L	NH3 mg/L	TEMP °C	pH	D.O. mg/L	SS mg/L	SS LBS	BOD mg/L	BOD LBS	FOG mg/L	Entero /100 ml	FECAL COLIFORM /100 ml	CHLORIDE mg/L	CHLORIDE GAL	COGIFORM Geo Mean	CHLORIDE GAL	NazSOS3 LBS												
Sun	1	0.06039	0.00150	15.3	7.84	5.37							17.3	7.84	2.82																								
Mon	2	0.05416		16.1	7.63	5.59	320.0	117.7	390.0	143.5			17.0	7.63	4.32	8	2.8	9.1	3.3																				
Tue	3	0.04411		15.1	7.72	6.37	196.0	87.2	300.0	133.4			17.2	7.72	4.51	8	3.7	7.8	3.5																				
Wed	4	0.05332	0.00300	15.4	7.68	5.64							16.9	7.68	4.22																								
Thu	5	0.05049	0.00300	16.6	8.31	5.40							17.2	8.31	4.09																								
Fri	6	0.04620	0.00200																																				
Sat	7	0.04507	0.00150																																				
Sun	8	0.04896	0.00150	16.5	7.01	4.28							16.0	7.01	5.28																								
Mon	9	0.04659	0.00300	15.6	7.74	5.36	256.0	92.9	320.0	116.1			16.6	7.74	4.60	8.4	3.0	15.0	5.4																				
Tue	10	0.04352	0.00375	15.3	7.58	6.16	216.0	83.3	280.0	107.9			16.9	7.58	4.28	5.2	2.0	12.0	4.6																				
Wed	11	0.04622	0.00300	15.3	7.53	6.28							17.0	7.53	4.51																								
Thu	12	0.05289	0.00300	15.4	7.65	1.81							17.6	7.65	4.32																								
Fri	13	0.05970	0.00150																																				
Sat	14	0.05412	0.00150																																				
Sun	15	0.05541	0.00150	14.5	7.46	5.80							17.0	7.46	4.55																								
Mon	16	0.04795	0.00250	14.8	7.80	6.24	146.0	59.1	260.0	105.2			16.7	7.80	4.37	6.0	2.4	14.0	5.7																				
Tue	17	0.04950	0.00300	15.0	8.03	5.17	224.0	99.8	300.0	133.6			16.7	8.03	4.54	4.0	1.8	6.5	2.9																				
Wed	18	0.05341	0.00300	15.1	7.76	5.74							16.5	7.76	3.64																								
Thu	19	0.05862	0.00300	15.0	7.77	6.97							16.6	7.77	4.30																								
Fri	20	0.08560	0.00200																																				
Sat	21	0.06938	0.00150																																				
Sun	22	0.07880	0.00150	14.6	7.42	5.60							16.2	7.05	4.55																								
Mon	23	0.06833	0.00300	14.5	7.82	6.82	158.0	113.7	190.0	136.7			15.5	7.05	4.89	1.0	0.7	7.2	5.2																				
Tue	24	0.08626	0.00350	13.3	7.24	7.26	48.0	39.5	100.0	82.4			15.4	7.04	4.49	1.0	0.8	8.5	7.0																				
Wed	25	0.09877	0.00375	14.4	7.56	7.00							14.8	7.07	4.82																								
Thu	26	0.06489	0.00250	14.7	7.57	7.22							14.9	7.09	4.33																								
Fri	27	0.06382	0.00150																																				
Sat	28	0.05460	0.00150																																				
Sun	29	0.06590	0.00150	15.0	8.14	5.82							15.1	7.00	4.95																								
Tue	30	0.06417	0.00300																																				
WED		1.76306	0.08650	16.6	8.31	7.26	320.0	117.7	390.0	143.5			17.6	8.31	5.28	8.4	3.7	15.0	7.0																				
MINIMUM		0.04352	0.00150	13.3	7.01	1.81	48.0	39.5	100.0	82.4			14.8	7.00	2.82	1.0	0.7	6.5	2.9																				
AVERAGE		0.05977	0.00238	15.1		5.80	195.5	86.6	267.5	119.9			16.4		4.40	5.2	2.2	10.0	4.7																				
NO OF ANALYSIS		30	29	21	21	21	8	8	8	8	0	0	21	21	21	8	8	8	8	0	1	4					30	30											

WEEK	BOD mg/l	SS lbs	TSS mg/l	CHLORINE mg/l	CHLORINE GAL	COGIFORM Geo Mean	% REMOVAL BOD	% REMOVAL SS
1	8.5	3.4	8.0	3.3	0.0500	3.1	96.3	97.3
2	13.5	5.0	6.8	2.5	0.0900	2.6		
3	10.3	4.3	5.0	2.1	0.0140	2.9		
4	7.9	6.1	1.0	0.8	0.0450	2.9		
MAX	13.5	6.1	8.0	3.3	0.0900	3.1		

WEEKLY AVERAGE	WEEKLY	WEEKLY
BOD mg/l	15.1	7.0
SS lbs	7.00	4.95
TSS mg/l	4.95	8.4
CHLORINE mg/l	8.4	3.7
CHLORINE GAL	3.7	15.0
COGIFORM Geo Mean	15.0	7.0
% REMOVAL BOD	46.0	52.0
% REMOVAL SS	46.0	11.0

Sept 1 - Sept 30 used to calculate Total Min, Max & Averages for Flow, WAS, CIG gal and NazSOS3 lbs used ONLY.
 Sept 1 - Sept 28 used to calculate the weekly averages only.

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

CONTACT NAME: Catherine Carlson
 MAILING ADDRESS: 2009 Radcliffe
 Juneau, AK 99801

FACILITY: Auke Bay WWTF
 LOCATION: 11825 GLACIER HWY
 Juneau, AK 99801

PERMIT NUMBER: AKG572004
 OUTFALL / MONITORING POINT: 001A Discharge into Auke Bay

MONITORING PERIOD: **9/1/2019**

TO **9/30/2019**

NO DISCHARGE:

Parameter		Quantity of Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Dissolved Oxygen 1 - Final Effluent 00300	Sample meas.	*****	*****		2.8	*****	*****				
	Permit reqmt.	*****	*****		2.0 daily minimum	*****	*****	mg/l		Monthly	Grab
Biochemical Oxygen Demand (BOD5) 1 - Final Effluent 00310	Sample meas.	4.7	7.0		*****	10.0	15				
	Permit reqmt.	40 monthly average	80 daily maximum	lbs/day	*****	30 monthly average	60 daily maximum	mg/l		Monthly	Grab-Composite
Biochemical Oxygen Demand (BOD5) G - Influent 00310	Sample meas.	*****	*****		*****	267.5	*****				
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		Monthly	Grab-Composite
Biochemical Oxygen Demand (BOD5) W - See Comments 00310	Sample meas.	6.1	*****		*****	13.5	*****				
	Permit reqmt.	60 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		Monthly	Grab-Composite
pH 1 - Final Effluent 00400	Sample meas.	*****	*****		7.0	*****	8.3				
	Permit reqmt.	*****	*****		6.0 daily minimum	*****	9.0 daily maximum	S.U.		3X Weekly	Grab
Total Suspended Solids 1 - Final Effluent 00530	Sample meas.	2.2	3.7		*****	5.2	8.4				
	Permit reqmt.	40 monthly average	80 daily maximum	lbs/day	*****	30 monthly average	60 daily maximum	mg/l		Monthly	Grab-Composite
Total Suspended Solids G - Influent 00530	Sample meas.	*****	*****		*****	195.5	*****				
	Permit reqmt.	*****	*****		*****	Report monthly average	*****	mg/l		Monthly	Grab-Composite
Total Suspended Solids W - See Comments 00530	Sample meas.	3	*****		*****	8	*****				
	Permit reqmt.	60 weekly average	*****	lbs/day	*****	45 weekly average	*****	mg/l		Monthly	Grab-Composite
Flow 1 - Final Effluent 50050	Sample meas.	0.06	0.10		*****	*****	*****				
	Permit reqmt.	Report monthly average	0.16 daily maximum	MGD	*****	*****	*****			5X Weekly	Measured
Total Residual Chlorine 1 - Final Effluent 50060	Sample meas.	*****	*****		*****	0.05	0.22				
	Permit reqmt.	*****	*****		*****	0.5 monthly average	1.0 daily maximum	mg/l		3X Weekly	Grab
Enterococci 1 - Final Effluent 61211	Sample meas.	*****	*****		*****	*****	46				
	Permit reqmt.	*****	*****		*****	*****	Report daily maximum	cts/100 m		See Permit Requirements	Grab
Fecal Coliform 1 - Final Effluent 74050	Sample meas.	*****	*****		*****	19.5	52.0				
	Permit reqmt.	*****	*****		*****	200 monthly geometric mean	800 daily maximum	cts/100 m		Monthly	Grab
BOD5 Minimum % Removal K - Percent Removal 81010	Sample meas.	*****	*****		96	*****	*****				
	Permit reqmt.	*****	*****		85 minimum percent removal	*****	*****	%		Monthly	Calculation
Total Suspended Solids Minimum % Removal K - Percent Removal 81011	Sample meas.	*****	*****		97	*****	*****				
	Permit reqmt.	*****	*****		85 minimum percent removal	*****	*****	%		Monthly	Calculation

COMMENTS:

W = Average Weekly Effluent Limits;
 For Enterococci Bacteria monitoring requirements see Section 2.4 of the permit

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 PRINCIPLE EXECUTIVE OFFICE	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 evaluated 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.	TELEPHONE	DATE
CATHERINE CARLSON/Wastewater Treatment Plant Operator		907 586-0393	
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA/NUMBER	YY/MM/DD



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

CBJ Wastewater: Auke Bay TP

Permit AKG572004 Compliance

September 18, 2019

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 23616

Sample Location	Effluent Grab	Influent Grab
Date & Time Sampled	09/18/19; 10:00	09/18/19; 10:05
BOD (mg/L)	6.5	300
TSS (mg/L)	4.0	224

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met
BOD	<2.0	95.2%	93.9%	1.4%	09/19/19; 08:30	Yes
TSS	<4.0	98.0%	95.0%	3.1%	09/20/19; 11:50	Yes

Analysis Description:

Analysis	Method	MDL	PQL	Unit
BOD	SM 5210B	2.0	2.0	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
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

David Wetzel
 President, Admiralty Environmental
 dwetzel@admiraltyenv.com



Admiralty Environmental
 641 W. Willoughby Ave., Ste 301
 Juneau, AK 99801
 (907) 463-4415 fax (480) 247-4476

PROJECT NAME: CBJ Wastewater Auke Bay Treatment Plant Permit # AKG-57-2004		ADEC Compliance AE 23614	
REPORT TO: City and Borough of Juneau E-mail: jim_westcott@ci.juneau.ak.us		PHONE#: (907) 586-0393	
ADDRESS: 2009 Radcliffe Road Juneau, AK 99801		SAMPLED BY: C. CARLSON	
		# OF BOTTLES pH check	
		BOD and TSS Fecal Coliform Enterococci	
		FIELD RESULTS pH Temp D.O.	
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX
9-18-19	1000	Effluent	H ₂ O
9-18-19	1005	Influent	H ₂ O
Comments:			
Relinquished by: (signature) <i>Catherine Carlson</i>		Relinquished by: (print) CATHERINE CARLSON	Date: 9-18-19 Time: 1230
Received by: (signature) <i>K. Carlson</i>		Received by: (print) K. Carlson	Date: 9/18/19 Time: 1230
Relinquished by: (signature)		Relinquished by: (print)	Date: _____ Time: _____
Received by: (signature)		Received by: (print)	Date: _____ Time: _____
Section to be completed by receiving laboratory			
Temp (°C): 1.25		Sample Receipt:	
Thermo ID#: 1057		Bottles Intact: YES	
Condition of Custody sea: ✓		Sufficient Sample Volume: YES	
Initiated By: KC		Labels Agree with COC: YES	
Shipped Via: ✓		Received within holding time: YES	
Problems:		# of bottles rcvd: 2	



641 W. Willoughby Ave., Suite 301 Juneau, AK 99801
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 www.admiraltyenvironmental.com

CBJ Wastewater: Auke Bay TP

Permit AKG572004 Compliance

September 25, 2019

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 23679

Sample Location	Effluent Grab	Influent Grab
Date & Time Sampled	9/25/19; 08:31	9/25/19; 08:33
BOD (mg/L)	8.5	100
TSS (mg/L)	<4.0	48

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met
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

Analysis Description:

Analysis	Method	MDL	PQL	Unit
BOD	SM 5210B	2.0	2.0	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
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

David Wetzel
 President, Admiralty Environmental
 dwetzel@admiraltyenv.com



Admiralty Environmental
 641 W. Willoughby Ave., Ste 301
 Juneau, AK 99801
 (907) 463-4415 fax (480) 247-4476

PROJECT NAME: CBJ Wastewater Auke Bay Treatment Plant Permit # AKG-57-2004		AE 23679	
REPORT TO: City and Borough of Juneau E-mail: jim_westcott@ci.juneau.ak.us		PHONE#: (907) 586-0393	
ADDRESS: 2009 Radcliffe Road Juneau, AK 99801		SAMPLED BY: <i>[Signature]</i>	
		pH check	
		# OF BOTTLES	
		BOD and TSS	
		Fecal Coliform	
		Enterococci	
		FIELD RESULTS	
		pH	Temp
		D.O.	
		Matrix	
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX
9-25-19	0831	Effluent	H ₂ O
9-25-19	0833	Influent	H ₂ O
Comments:			
Relinquished by: (signature) <i>[Signature]</i>		Relinquished by: (print) Zver Ilesme	Date: 9-25-19 Time: 1004
Received by: (signature) <i>[Signature]</i>		Received by: (print) K. [Signature]	Date: 9-25-19 Time: 1004
Relinquished by: (signature)		Relinquished by: (print)	Date: Time:
Received by: (signature)		Received by: (print)	Date: Time:
Section to be completed by receiving laboratory			
Temp (°C): 11.50		Sample Receipt: Yes/No	
Thermo ID#: Lab F		Bottles Intact: <u>yes</u>	Sufficient Sample Volume: <u>yes</u>
Condition of Custody: sea ✓		Labels Agree with COC: <u>yes</u>	Received w/holding time: <u>yes</u>
Initiated By: <u>W</u>		Problems: <u>NO</u>	# of bottles rcvd: <u>2</u>
Shipped Via: <u> </u>			



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 www.admiraltyenvironmental.com

CBJ Wastewater: Auke Bay TP

Permit AKG572004 Compliance

September 24, 2019

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 23669

Sample Location	Effluent Grab	Influent Grab
Date & Time Sampled	9/24/19; 10:45	9/24/19; 10:47
Fecal Coliform (FC/100 mL)	11	---
BOD (mg/L)	7.2	190
TSS (mg/L)	<4.0	158

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met
FC	<2.0	---	---	---	9/24/19; 15:16	Yes
BOD	<2.0	98.0%	97.2%	0.8%	9/25/19; 08:19	Yes
TSS	<4.0	95.0%	95.0%	0.0%	9/25/19; 12:05	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

Case Narrative:

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

Key:

BOD	Biochemical 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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