

Permit

Permit ID: AK0023213
Permittee: JUNEAU, CITY AND BOROUGH OF
Facility: JUNEAU, CITY AND BOROUGH OF

Major:
Permittee Address: 5433 SHAUNE DRIVE
 JUNEAU , AK99801
Facility Location: 1540 THANE ROAD
 JUNEAU-DOUGLAS WWTP
 JUNEAU , AK99801
Discharge: 001-A - (no description)

Permitted Feature: 001 - External Outfall
Report Dates & Status
Monitoring Period: From 01/01/18 to 01/31/18
Status: **NetDMR Validated**

DMR Due Date: 02/15/18

Considerations for Form Completion

W=WEEKLY AVERAGE

Principal Executive Officer

First Name: Jim
Title: Senior treatment operator

Last Name: Westcott
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		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			
00010	Temperature, water deg. centigrade	Smpl.					=11.1	04 - deg C	0	05/WK - Five Per Week	GR - GRAB
1 - Effluent Gross											
Season: 0		Req.					Req Mon DAILY MX	04 - deg C		05/WK - Five Per Week	GR - GRAB
NODI: -		NODI									
00300	Oxygen, dissolved [DO]	Smpl.			=4.1		=8.5	19 - mg/L	0	05/WK - Five Per Week	GR - GRAB
1 - Effluent Gross											
Season: 0		Req.			>=2 DAILY MN		<=17 DAILY MX	19 - mg/L		05/WK - Five Per Week	GR - GRAB
NODI: -		NODI									
00310	BOD, 5-day, 20 deg. C	Smpl.	=56	=133	26 - lb/d	=9	=14	19 - mg/L	0	01/30 - Monthly	24 - COMP24
1 - Effluent Gross											
Season: 0		Req.	<=690 MO AVG	<=1380 DAILY MX	26 - lb/d	<=30 MO AVG	<=60 DAILY MX	19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI									
00310	BOD, 5-day, 20 deg. C	Smpl.	=1748		26 - lb/d	=309		19 - mg/L	0	01/30 - Monthly	24 - COMP24
G - Raw Sewage Influent											
Season: 0		Req.	Req Mon MO AVG		26 - lb/d	Req Mon MO AVG		19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI									
00310	BOD, 5-day, 20 deg. C	Smpl.	=104		26 - lb/d	=13		19 - mg/L	0	01/30 - Monthly	24 - COMP24
W - See Comments											
Season: 0		Req.	<=1035 WKLY AVG		26 - lb/d	<=45 WKLY AVG		19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI									
X	00400 pH	Smpl.			=6.3		=7.1	12 - SU	1	05/WK - Five Per Week	GR - GRAB
1 - Effluent Gross											
Season: 0		Req.			>=6.5 MINIMUM		<=8.5 MAXIMUM	12 - SU		05/WK - Five Per Week	GR - GRAB
NODI: -		NODI									
00530	Solids, total suspended	Smpl.	=66	=103	26 - lb/d	=9	=21	19 - mg/L	0	01/30 - Monthly	24 - COMP24
1 - Effluent Gross											
Season: 0		Req.	<=690 MO AVG	<=1380 DAILY MX	26 - lb/d	<=30 MO AVG	<=60 DAILY MX	19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI									
00530	Solids, total suspended	Smpl.	=1630		26 - lb/d	=281		19 - mg/L	0	01/30 - Monthly	24 - COMP24
G - Raw Sewage Influent											
Season: 0		Req.	Req Mon MO AVG		26 - lb/d	Req Mon MO AVG		19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI									
00530	Solids, total suspended	Smpl.	=92		26 - lb/d	=19		19 - mg/L	0	01/30 - Monthly	24 - COMP24
W - See Comments											
Season: 0		Req.	<=1035 WKLY AVG		26 - lb/d	<=45 WKLY AVG		19 - mg/L		01/30 - Monthly	24 - COMP24
NODI: -		NODI									
00610		Smpl.				=6.1	=12		0		

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				Units
	Nitrogen, ammonia total [as N]							19. mg/L	01/30 - Monthly	24. COMP24		
1 - Effluent Gross												
Season: 0		Req.				<=14 MO AVG	<=30 DAILY MX	19. mg/L	01/30 - Monthly	24. COMP24		
NODI: -		NODI										
00610	Nitrogen, ammonia total [as N]	Smpl.				=12		19. mg/L	0	01/30 - Monthly	24. COMP24	
W - See Comments												
Season: 0		Req.				<=21 WKLY AVG		19. mg/L	01/30 - Monthly	24. COMP24		
NODI: -		NODI										
50050	Flow, in conduit or thru treatment plant	Smpl.	=0.82	=4.9	03 - MGD				0	99/99 - Continuous	RC - Recorder (auto)	
1 - Effluent Gross												
Season: 0		Req.	<=2.76 MO AVG	<=6 DAILY MX	03 - MGD					99/99 - Continuous	RC - Recorder (auto)	
NODI: -		NODI										
61211	Enterococci	Smpl.										
1 - Effluent Gross												
Season: 0		Req.						Req Mon DAILY MX	13 - #/100mL	09/99 - See Permit	GR - GRAB	
NODI: -		NODI						9 - Conditional Monitoring - Not Required This Period				
74055	Coliform, fecal general	Smpl.				=3	=8	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
1 - Effluent Gross												
Season: 0		Req.				<=200 MO GEOMN	<=800 DAILY MX	13. #/100mL		01/07 - Weekly	GR - GRAB	
NODI: -		NODI										
74055	Coliform, fecal general	Smpl.				=8		13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
W - See Comments												
Season: 0		Req.				<=400 WKLY AVG		13. #/100mL		01/07 - Weekly	GR - GRAB	
NODI: -		NODI										
81010	BOD, 5-day, percent removal	Smpl.				=97			23 - %	0	01/30 - Monthly	CA - CALCTD
K - Percent Removal												
Season: 0		Req.				>=85 MN % RMV			23 - %		01/30 - Monthly	CA - CALCTD
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										

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		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	<input checked="" type="checkbox"/>

Comments

Attachments

Name	Type	Size
2765_001.pdf	pdf	112465
2766_001.pdf	pdf	285345

Report Last Saved By

JUNEAU, CITY AND BOROUGH OF

User: CBJWASTEWATER1
 Name: James Westcott
 E-Mail: jim.westcott@juneau.org
 Date/Time: 2018-02-14 10:45 (Time Zone:-09:00)

Report Last Signed By

User: CBJWASTEWATER1
 Name: James Westcott
 E-Mail: jim.westcott@juneau.org
 Date/Time: 2018-02-14 10:45 (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): AK002321-3
Owner or Operator: City and Borough of Juneau	Facility Name: Juneau Douglas 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): Hotline
Date/Time Event was Noticed: 1/1/2018 @ 0900 am	Date/Time Reported: 1/2/2018 @ 0900 am	Name of DEC Staff Contacted: 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): 1/1/2018 @ 0900 am	End Date/Time (exact): 1/1/2018 @ 0900 am
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): N/A		
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 effluent testing throughout the week.		

Permit Condition Deviation (Identify each permit condition exceeded during the event.)

<u>Parameter (e.g. BOD pH)</u>	<u>Permit Limit</u>	<u>Exceedance (sample result)</u>	<u>Sample Date</u>
pH	6.5	6.27	1/1/2018

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 testing frequency/analysis.

Environmental Damage: (if yes, provide details below) Yes No 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:** 1/2/2018

FORMS MUST BE SENT TO ADEC WITHIN FIVE DAYS OF BECOMING AWARE OF THE EVENT.

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

CONTACT NAME: Mark Mow
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801
 PERMIT NUMBER: AK0023213

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801
 MONITORING PERIOD: 1/1/2018 TO 1/31/2018
 MONITORING POINT: 002 (N-11) (P) Sta. AE
 NO DISCHARGE: X

Parameter	Sample meas.	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type	
		Average	Maximum		Minimum	Average					Maximum
Biochemical Oxygen Demand (BOD5)	Sample meas.	Report monthly average	Report daily maximum	lbs/day	*****	*****	Report monthly average	Report daily maximum	mg/l	When Discharging	Grab
1 - Final Effluent 00310 R	Permit reqt.	*****	*****		*****	*****					
Total Suspended Solids	Sample meas.	Report monthly average	Report daily maximum	lbs/day	*****	*****	Report monthly average	Report daily maximum	mg/l	When Discharging	Grab
1 - Final Effluent 00530 R	Permit reqt.	*****	*****		*****	*****					
Coliform, fecal MF, M-FC broth, 44.5 C	Sample meas.	*****	*****		*****	*****	Report monthly geometric mean	Report daily maximum	cts/100 ml	When Discharging	Grab
1 - Final Effluent 31616 R	Permit reqt.	*****	*****		*****	*****					
Flow	Sample meas.	Report monthly average	Report daily maximum	MGD	*****	*****				When Discharging	Recorded
1 - Final Effluent 50050 R	Permit reqt.	*****	*****		*****	*****					
Duration of Discharge	Sample meas.	*****	report daily maximum	min/day	*****	*****				When Discharging	Instantaneous Reading
1 - Final Effluent 81381 R	Permit reqt.	*****	*****		*****	*****					

COMMENTS:

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.

<p>NAME/TITLE PRINCIPLE EXECUTIVE OFFICE</p> <p>Mark Mow/Wastewater Collections SR. Operator</p>	<p>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.</p>
<p>TYPED OR PRINTED</p>	<p>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</p> <p><i>Mark Mow</i></p>
<p>TELEPHONE</p> <p>907 586-0393</p>	<p>DATE</p> <p>2/1/18</p>
<p>AREA/NUMBER</p>	<p>YY/MM/DD</p>

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


CONTACT NAME: Mark Mow
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801
 PERMIT NUMBER: AK0023213

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801

MONITORING PERIOD: 1/1/2018 TO 1/31/2018
 MONITORING POINT: 003 (N11.2) (Q) Sta C
 NO DISCHARGE: X

Parameter	Sample meas.	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Average	Maximum				
Biochemical Oxygen Demand (BOD5)	Sample meas.	Report monthly average	Report daily maximum	lbs/day	*****	Report monthly average	Report daily maximum		When Discharging	Grab
1 - Final Effluent 00310 R	Permit reqmt.	*****	*****							
Total Suspended Solids	Sample meas.	Report monthly average	Report daily maximum	lbs/day	*****	Report monthly average	Report daily maximum		When Discharging	Grab
1 - Final Effluent 00530 R	Permit reqmt.	*****	*****							
Coliform, fecal MF, M-FC broth, 44.5 C	Sample meas.	*****	*****			Report monthly geometric mean	Report daily maximum	cts/100 ml	When Discharging	Grab
1 - Final Effluent 31616 R	Permit reqmt.	*****	*****							
Flow	Sample meas.	Report monthly average	Report daily maximum	MGD	*****	*****	*****		When Discharging	Recorded
1 - Final Effluent 50050 R	Permit reqmt.	*****	*****							
Duration of Discharge	Sample meas.	*****	report daily maximum	min/day	*****	*****	*****		When Discharging	Instantaneous Reading
1 - Final Effluent 81381 R	Permit reqmt.	*****	*****							
COMMENTS:										

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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.	
Mark Mow/Wastewater Collections SR. Operator	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
TYPED OR PRINTED	TELEPHONE	DATE
	907 586-0393	2/1/18
	AREA/NUMBER	YY/MM/DD

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

CONTACT NAME: Mark Mow
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801
 PERMIT NUMBER: AK0023213

FACILITY: JUNEAU DOUGLAS WW TREATMENT FACILITY
 LOCATION: 1540 Thane Rd
 Juneau, AK 99801
 MONITORING PERIOD: 1/1/2018 TO 1/31/2018
 MONITORING POINT: 004 (N-15.1) (R) DOUGLAS NO DISCHARGE: X

Parameter	Sample	Quantity or Loading		Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type	
		Average	Maximum		Minimum	Average					Maximum
Biochemical Oxygen Demand (BOD5)	Sample meas.	Report monthly average	Report daily maximum	lbs/day	*****	*****	Report monthly average	Report daily maximum	mg/l	When Discharging	Grab
1 - Final Effluent 00310 R	Permit reqmt.	*****	*****		*****	*****	Report monthly average	Report daily maximum	mg/l	When Discharging	Grab
Total Suspended Solids	Sample meas.	Report monthly average	Report daily maximum	lbs/day	*****	*****	Report monthly average	Report daily maximum	mg/l	When Discharging	Grab
1 - Final Effluent 00530 R	Permit reqmt.	*****	*****		*****	*****	Report monthly average	Report daily maximum	mg/l	When Discharging	Grab
Coliform, fecal MF, M-FC broth, 44.5 C	Sample meas.	*****	*****		*****	*****	Report monthly geometric mean	Report daily maximum	cts/100 ml	When Discharging	Grab
1 - Final Effluent 31616 R	Permit reqmt.	*****	*****		*****	*****	Report monthly geometric mean	Report daily maximum	cts/100 ml	When Discharging	Grab
Flow	Sample meas.	Report monthly average	Report daily maximum	MGD	*****	*****	*****	*****		When Discharging	Recorded
1 - Final Effluent 50050 R	Permit reqmt.	*****	*****		*****	*****	*****	*****		When Discharging	Recorded
Duration of Discharge	Sample meas.	*****	*****		*****	*****	*****	*****		When Discharging	Instantaneous Reading
1 - Final Effluent 81381 R	Permit reqmt.	*****	*****		*****	*****	*****	*****		When Discharging	Instantaneous Reading

COMMENTS:

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 Attach an explanation of any violations. Reference all attachments below.

NAME/TITLE PRINCIPLE EXECUTIVE OFFICE	TELEPHONE	DATE
Mark Mow/Wastewater Collections SR. Operator	907 586-0393	2/1/18
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.		
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA/NUMBER
	<i>Mark Mow</i>	

