

JUNEAU-DOUGLAS WASTEWATER TREATMENT FACILITY
Juneau, Alaska

September 2013

DAY	DATE	TEMP °F	RAIN FALL INCHES	J-D Ttl EFFL MGD	INFLUENT							EFFLUENT											
					S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FOG mg/L	FOG LBS	Ammonia as N mg/l (1/180)	TEMP °C	pH	D.O. mg/L	S.S. mg/L	S.S. LBS	B.O.D. mg/L	B.O.D. LBS	FOG mg/L	FOG LBS	FECAL Coliform /100 ml	Ammonia as N mg/l (1/180 days)	
SUN	25	55	0.48	0.819	200	1274	220	1402					16.6	6.9	4.1	7	45	5	32			42	
MON	26	56	0.06	0.764	360	2072	460	2647					17.2	6.8	4.0	13	75	9	52				
TUE	27	56	0.02	0.690	300	1806	330	1987					17.3	6.9	4.0	10	60	11	66				
WED	28	57	0.00	0.722	560	3311	360	2129					16.4	7.1	3.8	11	65	14	83				
THU	29	53	0.00	0.709	350	2294	290	1901					17.6	6.9	4.0	14	92	11	72				
FRI	30	53	0.15	0.786	140	1001	130	929					16.2	6.4	4.6	8	57	6	43			14	
SAT	31	56	1.47	1.197	320	1815	600	9027					16.6	6.6	4.0	120	1805	16	241				
SUN	1	55	0.00	1.024	180	1027	180	1267					15.5	6.6	4.1	110	933						
TUE	3	58	0.00	1.804	220	1274	210	1706					16.1	6.8	3.9	8	65	10	81			18	
WED	4	56	0.85	1.017	220	1274	210	1706															
THU	5	56	0.03	0.974	220	1274	210	1706															
FRI	6	58	0.58	1.547	220	1274	210	1706															
SAT	7	56	1.03	1.057	220	1274	210	1706															
SUN	8	52	0.05	0.862	350	2072	460	2647					15.5	6.6	4.2	16	112	7	49			68	
MON	9	50	0.00	0.836	280	1616	320	2231					16.3	6.7	3.9	16	112	7	49				
TUE	10	54	0.27	0.897	280	1616	320	2231					15.8	6.8	4.2	13	97	8	60			20	
WED	11	57	0.06	0.723	420	2533	360	2352					16.9	6.7	3.9	17	103	14	84				
THU	12	53	0.03	0.733	250	1528	320	1956					16.6	7.0	3.9	11	67	16	98			20	
FRI	13	53	0.00	0.744	260	1564	320	1996															
SAT	14	53	0.00	0.750	260	1564	320	1996															
SUN	15	53	0.00	0.750	260	1564	320	1996															
MON	16	53	0.23	0.867	150	810	130	929					14.3	7.2	4.9	6	44	7	52			7	
TUE	17	50	0.39	1.050	150	810	130	929					14.3	7.8	4.4	6	37	6	37				
WED	18	50	0.51	0.974	230	1380	310	2275					15.5	7.4	4.4	6	37	6	37				
THU	19	49	0.26	1.953	230	1380	310	2275					14.7	7.5	4.8	12	100	9	75				
FRI	20	52	1.33	2.614	200	1200	260	2602					14.2	7.3	4.8	12	100	9	75				
SAT	21	48	1.60	1.443	200	1200	260	2602															
SUN	22	49	0.23	1.207	150	810	130	929															
MON	23	49	0.43	0.883	150	810	130	929															
TUE	24	47	0.03	0.738	380	2339	250	1539															
WED	25	44	0.00	0.880	260	1564	320	1996															
THU	26	48	0.46	1.200	280	1616	320	1996															
FRI	27	47	0.68	1.000	280	1616	320	1996															
SAT	28	47	0.31	0.820	280	1616	320	1996															
TOTAL			12.76	36.65																			
MAXIMUM		58	1.60	2.61	560	4815	600	9027					26	7.8	5.0	120	1805	16	241			240	20
MINIMUM		44	0.00	0.69	140	1001	130	929					13	6.4	2.3	6	37	5	32			7	7
AVERAGE		53	0	1	294	2414	300	2574					21	6.6	4.1	21	215	10	86			74	16
Number Of Analytes		35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35

Weekly	TSS			BOD			Weekly
	mg/l	lbs	Geo Mean	mg/l	lbs	Geo Mean	
WEEK1	11	67	10	10	61	42	
WEEK2	62	715	10	108	14	14	
WEEK3	14	95	10	67	68	68	
WEEK4	11	151	12	130	240	240	
WEEK5	8	60	8	67	7	7	
MAX.	62	715	12	130	240	240	

% REMOVAL		
B.O.D.	97	18
S.S.	93	136

Comments: *Geometric mean is used to calculate the average fecal coliform colonies. ** FOG samples highlighted in yellow are composite samples

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DMR Mailing ZIP CODE: 99801 \$
MAJOR (SUB 01)

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)

NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: 155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT
LOCATION: JUNEAU, ALASKA 99801
ATT: Jim Westcott, WW Utilities Supervisor

AK-002321-3
PERMIT NUMBER

001 A
DISCHARGE NUMBER

External Outfall
*** NO DISCHARGE ***

MONITORING PERIOD

YR	MO	DAY	TO	YEAR	MO	DAY
2013	8	25		2013	9	28

PARAMETER	QUANTITY OR LOADING			UNITS	QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	VALUE		VALUE	VALUE	UNITS			
Temperature, water deg. C	MEASUREMENT	*****	*****	****	*****	17.6	deg.C	0		
00010 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT DAILY MAX			WEEKDAYS	GRAB
Oxygen, dissolved (DO)	MEASUREMENT	*****	*****	****	*****	5.0		0		
00300 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	17	mg/L		WEEKLY	GRAB
BOD, 5-day, 20 deg. C	MEASUREMENT	86	241	*****	*****	10		0		
00310 10 Effluent Gross	PERMIT REQUIREMENT	690	1380	lbs/d	*****	30	mg/L		MONTHLY	COMP24
BOD, 5-day, 20 deg. C	MEASUREMENT	*****	*****	****	*****	300		0		
00310 G 0 Raw Sewage Influent	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. MO AVG	mg/L		MONTHLY	COMP24
BOD, 5-day, 20 deg. C	MEASUREMENT	130	*****	*****	*****	12		0		
00310 W 0 See Comments	PERMIT REQUIREMENT	1035	*****	lbs/d	*****	45	mg/L		MONTHLY	COMP24
pH	MEASUREMENT	*****	*****	****	*****	6.4		0		
00400 10 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	6.0	SU		WEEKDAYS	GRAB
Solids, Total suspended	MEASUREMENT	215	1805	*****	*****	21		0		
00530 10 Effluent Gross	PERMIT REQUIREMENT	690	1380	lbs/d	*****	30	mg/L		MONTHLY	COMP24

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that the 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
907 586-0393
AREA CODE
2013 10
PHONE NUMBER
DATE
15
DAY

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS

The reporting period was from 08/25/2013 through 09/28/2013.

EPA Form 3320-1 (Rev.01/06) Previous editions may be used.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DMR Mailing ZIP CODE: 99801 \$
MAJOR (SUB 01)

External Outfall
*** NO DISCHARGE ***

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)

NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: 155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT
LOCATION: JUNEAU, ALASKA 99801
ATT: Jim Westcott, WW Utilities Supervisor

AK-002321-3
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD

YR	MO	DAY	TO	YR	MO	DAY
2013	8	25		2013	9	28

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	UNITS	VALUE	UNITS	UNITS			
Solids, Total suspended	*****	*****	*****	*****	*****	*****	0		
00530 G 0 Raw Sewage Influent	*****	*****	*****	*****	*****	*****		Monthly	COMP24
Solids, Total suspended	715	*****	*****	*****	*****	*****	0		
00530 W 0	1035	*****	*****	*****	*****	*****		Monthly	COMP24
See Comments	136	*****	*****	*****	*****	*****	0		
Nitrogen, ammonia total (as N)	*****	*****	*****	*****	*****	*****			
00610 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****		Semi-annual	COMP24
Coliform, fecal MF, broth 44.5 C	*****	*****	*****	*****	*****	*****	0		
31616 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****		Weekly	GRAB
Coliform, fecal MF, broth 44.5 C	*****	*****	*****	*****	*****	*****	0		
31616 W 0	*****	*****	*****	*****	*****	*****		Weekly	GRAB
See Comments	1.05	*****	*****	*****	*****	*****	0		
Flow, in conduit or through treatment plant	2.76	*****	*****	*****	*****	*****			
50050 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****		Continuous	RCORDR
BOD, 5-day, percent removal	*****	*****	*****	*****	*****	*****	0		
81010 K 0 Percent Removal	*****	*****	*****	*****	*****	*****		Monthly	CALCTD
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 the system designed to assure that the 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.								
Jim Westcott W/W Utilities Supervisor	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								
COMMENT AND EXPLANATION OF ANY VIOLATIONS	(Reference all attachments here)								
The reporting period was from 08/25/2013 through 09/28/2013.									
EPA Form 3320-1 (Rev 01/06) Previous editions may be used.									

907 AREA CODE
586-0393 TELEPHONE
2013 YEAR
10 MO
15 DAY

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DMR Mailing ZIP CODE: 99801 \$
MAJOR (SUB 01)

External Outfall
*** NO DISCHARGE ***

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)

NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: 155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT
LOCATION: JUNEAU, ALASKA 99801
ATT: Jim Westcott, WW Utilities Supervisor

AK-002321-3
PERMIT NUMBER

001 A
DISCHARGE NUMBER

MONITORING PERIOD

YR	MO	DAY	YR	MO	DAY
2013	8	25	2013	9	28
FROM			TO		

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	UNITS	VALUE	UNITS	UNITS			
Solids, Total suspended, percent removal	*****	*****	*****	93	*****	*****	0		
81011 K 0 0 Percent Removal	*****	*****	*****	85	*****	*****		MONTHLY	CALCTD

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 the system designed to assure that the 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.		TELEPHONE	586-0393
Jim Westcott W/W Utilities Supervisor	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	907
TYPED OR PRINTED			PHONE NUMBER DATE	10 / 15
COMMENT AND EXPLANATION OF ANY VIOLATIONS	(Reference all attachments here)		YEAR	2013
The reporting period was from 08/25/2013 through 09/28/2013.			MO	10
EPA Form 3320-1 (Rev.01/06) Previous editions may be used.			DAY	15

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

DMR Mailing ZIP CODE: 99801 \$
MAJOR (SUB 01)
UPSTREAM RECEIVING WATER
External Outfall
*** NO DISCHARGE ***

PERMITTEE NAME/ADDRESS(Include Facility name/Location if different)

NAME: JUNEAU, CITY AND BOROUGH OF
ADDRESS: 155 SOUTH SEWARD,
JUNEAU, ALASKA 99801
FACILITY: JUNEAU-DOUGLAS TREATMENT PLANT
LOCATION: JUNEAU, ALASKA 99801
ATT: Jim Westcott, WW Utilities Supervisor

AK-002321-3 PERMIT NUMBER

REC-1 DISCHARGE NUMBER

MONITORING PERIOD

YR 2013 MO 8 DAY 25 TO 2013 MO 9 DAY 28

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	VALUE	UNITS	VALUE	VALUE	UNITS			
Coliform, fecal M/F, broth 44.5 C	*****	*****		*****	*****		0	0	
31616 10 Effluent Gross	*****	*****		*****	*****	Req. Mon. #/ DAILY MAX ML100		Monthly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Jim Westcott
WW Utilities Supervisor

TYPED OR PRINTED

COMMENT AND EXPLANATION OF ANY VIOLATIONS
The reporting period was from 08/25/2013 through 09/28/2013.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
907 AREA CODE 586-0393
PHONE NUMBER
DATE
2013 YEAR 10 MO 15 DAY

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

CONTACT NAME: Tony Stoinich
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801

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

PERMIT NUMBER: AK0023213


MONITORING PERIOD: 9/1/2013 TO 9/30/2013
 MONITORING POINT: 002 (N-11) (P) Sta AE NO DISCHARGE:

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

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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
TONY STOINICH		907-790-2525	10/5/13
W/W COLLECTION SWAU.			
TYPED OR PRINTED		AREA NUMBER	Y M D

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

CONTACT NAME: Tony Stoinich
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801

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

PERMIT NUMBER: AK0023213

MONITORING PERIOD: 9/1/2013 TO 9/30/2013


MONITORING POINT: 003 (N11.2) (Q) Sta C NO DISCHARGE: X

Parameter	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.			*****						
	Permit reqmt.	Report monthly average	lbs/day	Report monthly average	Report daily maximum	mg/l		When Discharging	Grab	
Total Suspended Solids	Sample meas.			*****						
	Permit reqmt.	Report monthly average	lbs/day	Report monthly average	Report daily maximum	mg/l		When Discharging	Grab	
Coliform, fecal MF, M-FC broth, 44.5 C	Sample meas.	*****		*****						
	Permit reqmt.	*****		Report monthly geometric mean	Report daily maximum	cts/100 ml		When Discharging	Grab	
FLOW	Sample meas.	*****		*****						
	Permit reqmt.	*****	MGD	*****	*****			When Discharging	Recorded	
Duration of Discharge	Sample meas.	*****		*****						
	Permit reqmt.	*****	min/day	*****	*****			When Discharging	Recorded	

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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TONY STOINICH W/W COLLECTIONS SOPV.	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.	TELEPHONE 907-790-2525	DATE 10/15/13
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA NUMBER Y M D	

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

CONTACT NAME: Tony Stoinich
 MAILING ADDRESS: 155 S. Seward Street
 Juneau, AK 99801

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

PERMIT NUMBER: AK0023213

MONITORING PERIOD: 9/1/2013 TO 9/30/2013
 MONITORING POINT: 004 (N-15.1) (R) Douglas

NO DISCHARGE:

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TONY STOINICH w/w Collections Supv.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 907-790-2525	DATE 10/5/13
TYPED OR PRINTED		AREA NUMBER Y M D	

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.