

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

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

FACILITY: Salmon Creek Water Plant Backwash  
 LOCATION: 3 mile Egan Drive  
 Juneau, AK 99801

PERMIT NUMBER: AKG380005

MONITORING PERIOD: 8/1/2016

TO 8/31/2016

OUTFALL / MONITORING POINT: 001A Reverse Flow/Air Scrub

NO DISCHARGE:  

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Temperature (C)  1 - Final Effluent 00010	Sample meas.	*****	*****		12.9	12.9	12.9		0	1	
	Permit reqmt.	*****	*****		*****	Instantaneous	Instantaneous maximum	DEG.C		Monthly	Grab
Turbidity  1 - Final Effluent 00070	Sample meas.	*****	*****		29.2	29.2	29.2		0	1	
	Permit reqmt.	*****	*****		*****	Instantaneous	Instantaneous maximum	NTU		Monthly	Grab
Magnesium, total recoverable  1 - Final Effluent 00921	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Arsenic, Total Recoverable  1 - Final Effluent 00978	Sample meas.	*****	*****		1.7	1.7	1.7		0	1	
	Permit reqmt.	*****	*****		*****	Instantaneous	Instantaneous maximum	ug/l		Monthly	Grab
Iron, Total Recoverable  1 - Final Effluent 00980	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>SAMANTHA STOUGHTENGER</i> UTILITIES SUPERINTENDENT	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 907 586 3933	DATE 16/8/31
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA   NUMBER	Y   M   D

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OUTFALL / MONITORING POINT: 001A Reverse Flow/Air Scrub

NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Zinc Total Recoverable  1 - Final Effluent 01094	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Lead Total Recoverable  1 - Final Effluent 01114	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Copper Total Recoverable  1 - Final Effluent 01119	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Manganese, Total Recoverable  1 - Final Effluent 11123	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Chloride  1 - Final Effluent 46225	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		2X Annually	Grab

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			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	907 586 0393
TYPED OR PRINTED			AREA   NUMBER	Y   M   D

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OUTFALL / MONITORING POINT: 001A Reverse Flow/Air Scrub

NO DISCHARGE:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Flow  1 - Final Effluent 50050	Sample meas.	0.025	0.041	MGD	*****	*****	*****		0	Continuous	Recorded
	Permit reqmt.	Report monthly average	Report daily maximum		*****	*****	*****		Continuous		
Sulfate  1 - Final Effluent 81020	Sample meas.	*****	*****		*****			mg/l	0		Grab
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum		2X Annually		

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.

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TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA   NUMBER	Y   M   D

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PERMIT NUMBER: AKG380005

MONITORING PERIOD: 8/1/2016

TO 8/31/2016

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning

NO DISCHARGE:  

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
pH  1 - Final Effluent 00400	Sample meas.	*****	*****		6.56	6.56	6.56		0	1	
	Permit reqmt.	*****	*****		6.5 instantaneous minimum	Instantaneous	8.5 instantaneous maximum	S.U.		Monthly	Grab
Salinity  1 - Final Effluent 00480	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	PPTH		2X Annually	Grab
Ammonia Nitrogen (as N)  1 - Final Effluent 00610	Sample meas.	*****	*****		0.45	0.45	0.45		0	1	
	Permit reqmt.	*****	*****		*****	Instantaneous	Instantaneous maximum	mg/l		Monthly	Grab
Magnesium, total recoverable  1 - Final Effluent 00921	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Arsenic, Total Recoverable  1 - Final Effluent 00978	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	10 daily maximum	ug/l		2X Annually	Grab

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TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA   NUMBER	Y   M   D

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TO 8/31/2016

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning

NO DISCHARGE:  

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Iron, Total Recoverable  1 - Final Effluent 00980	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Zinc Total Recoverable  1 - Final Effluent 01094	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Lead Total Recoverable  1 - Final Effluent 01114	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Copper Total Recoverable  1 - Final Effluent 01119	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab
Manganese, Total Recoverable  1 - Final Effluent 11123	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		2X Annually	Grab

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TO 8/31/2016

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning

NO DISCHARGE:  

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Chloride  1 - Final Effluent 46225	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		2X Annually	Grab
Total Residual Chlorine  1 - Final Effluent 50060	Sample meas.	*****	*****		ND	ND	ND		0	1	
	Permit reqmt.	*****	*****		*****	0.0075 monthly average	Report daily maximum	mg/l		Monthly	Grab
Sulfate  1 - Final Effluent 81020	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		2X Annually	Grab

COMMENTS: The Ammonia sample was taken on June 28th and set to a lab in Indiana, the sample was prematurely disposed of, therefore no lab result was obtained. See attached letter of non-compliance.

Mail this report when completed to ADEC, Division of Water, 555 Cordova Street, Anchorage, AK 99501-2617  
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TO 8/31/2016

OUTFALL / MONITORING POINT: 001C Chemical Clean in Place

NO DISCHARGE:  

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
pH  1 - Final Effluent 00400	Sample meas.	*****	*****							0	
	Permit reqmt.	*****	*****		6.5 instantaneous minimum	Report monthly average	8.5 instantaneous maximum	S.U.		Annually	Grab
Salinity  1 - Final Effluent 00480	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	PPTH		Annually	Grab
Ammonia Nitrogen (as N)  1 - Final Effluent 00610	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Annually	Grab
Magnesium, total recoverable  1 - Final Effluent 00921	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		Annually	Grab
Arsenic, Total Recoverable  1 - Final Effluent 00978	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	10 daily maximum	ug/l		Annually	Grab

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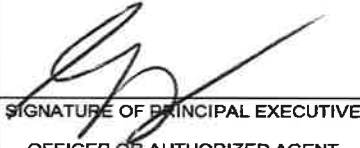
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NO DISCHARGE:  

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Iron, Total Recoverable  1 - Final Effluent 00980	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		Annually	Grab
Zinc Total Recoverable  1 - Final Effluent 01094	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		Annually	Grab
Lead Total Recoverable  1 - Final Effluent 01114	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		Annually	Grab
Copper Total Recoverable  1 - Final Effluent 01119	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		Annually	Grab
Manganese, Total Recoverable  1 - Final Effluent 11123	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	ug/l		Annually	Grab

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NO DISCHARGE:  

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Average	Maximum		Minimum	Average	Maximum				
Chloride  1 - Final Effluent 46225	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Annually	Grab
Total Residual Chlorine  1 - Final Effluent 50060	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	0.0075 monthly average	Report daily maximum	mg/l		Annually	Grab
Sulfate  1 - Final Effluent 81020	Sample meas.	*****	*****		*****					0	
	Permit reqmt.	*****	*****		*****	Report monthly average	Report daily maximum	mg/l		Annually	Grab

COMMENTS:

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