FACILITY: Salmon Creek Water Plant Backwash

LOCATION: 3 mile Egan Drive Juneau, AK 99801

PERMIT NUMBER: AKG380005

CONTACT NAME: Stephen Locks MAILING ADDRESS: 5433 Shaune Drive

Juneau, AK 99801

TO NO DISCHARGE: 5/31/2018

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

MONITORING PERIOD: 5/1/2018

Danamatar		Quantity or Loading	r I aadina	Ilmite	Alia	Quality or Concentration	tion	Illnife	N	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	H V
Temperature (C)	Sample meas.		* * * * * * * * * * * * * * * * * * *		* * * *	2.8	2.8		0	1	
1 - Final Effluent 00010	Permit reqmt.	****	****		****	Report instantaneous	Report daily maximum	DEG.C		Monthly	Grab
Turbidity	Sample meas.	* * * * *	* * * * *		* * * *	26.2	26.2		0	1	
1 - Final Effluent 00070	Permit reqmt.	* * * * * *	***		**	Report instantaneous	Report daily maximum	UTU		Monthly	Grab
Magnesium, total recoverable	Sample meas.	* * * * *	* * * * *		****				0	0	
1 - Final Effluent 00921	Permit reqmt.	***	*****		******	Report instantaneous	Report daily maximum	ug/I		2X Annually	Grab
Arsenic, Total Recoverable	Sample meas.	* * * *	****		* * * * * *	1.7	1.7		0	ъ	
1 - Final Effluent 00978	Permit reqmt.		* * * * *		* * * * *	Report instantaneous	10 daily maximum	ug/i		Monthly	Grab
Iron, Total Recoverable	Sample meas.	** ** **	****		** **				0	0	
1 - Final Effluent 00980	Permit reqmt.	**	**		** ** ** **	Report instantaneous	Report daily maximum	ug/i		2X Annually	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were		TELEPHONE	DATE
	prepared under my direction or supervision in accordance with a system designed to assure that quantified prespondel property gather and evaluate the information submitted. Based on my inquiry of the person or persons	1		
Lyanw. Homa	who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my constraint and heliof in a socratia and complete. I am wante that their	SIGNATURE OF PRINCIPAL EXECUTIVE 407-530-4744 248 65	907-500-4747	2-19 63
TYPED OR PRINTED	are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	AIWID

MAILING ADDRESS: 5433 Shaune Drive FACILITY: Salmon Creek Water Plant Backwash

LOCATION: 3 mile Egan Drive Juneau, AK 99801

PERMIT NUMBER: AKG380005

CONTACT NAME: Stephen Locks

Juneau, AK 99801

MONITORING PERIOD: 5/1/2018

TO NO DISCHARGE: 5/31/2018

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

Darameter		Quantity or Loading	T I anding	Ilmite	Onality	ity or Concentration	tion	Ilnite	Z	Frequency of	Sample Type
		Average	Maximum		Minimum		Maximum		Ex.	Analysis	
Zinc Total Recoverable	Sample meas.	* * *	***		****				0	0	
1 - Final Effluent 01094	Permit reqmt.	:	* * * * *		** * * *	Report instantaneous	Report daily maximum	ug/l		2X Annually	Grab
Lead Total Recoverable	Sample meas.	* * * * *	* * * *		* * * *				0	0	
1 - Final Effluent . 01114	Permit regmt.	****	****		** **	Report instantaneous	Report daily maximum	ug/I		2X Annually	Grab
Copper Total Recoverable	Sample meas.	* * * * *	**		* * * *				0	0	
1 - Final Effluent 01119	Permit reqmt.	*** ** *	** ** **		* * * * *	Report instantaneous	Report daily maximum	ug/l		2X Annually	Grab
Manganese, Total Recoverable	Sample meas.	* * * * *	* * * *		* * *				0	0	
1 - Final Effluent 11123	Permit reqmt.	*****	* * *		***	Report instantaneous	Report daily maximum	ug/l		2X Annually	Grab
Chloride	Sample meas.	* * * *	***		***				0	0	
1 - Final Effluent 46225	Permit reqmt.	* * * * *	**		***	Report instantaneous	Report daily maximum	mg/l		2X Annually	Grab

YIMID	AREA NUMBER	OFFICER OR AUTHORIZED AGENT	are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations	TYPED OR PRINTED
2018 67	40/->00-13414	SIGNATURE OF PRINCIPAL EXECUTIVE 90/->00-131101	gathering the information, the information submitted is, to the best of my knowledge and belief this accurate and complete. I am aware that there	Ny an W. Herman
		Pa	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	0
		\	prepared under my direction or supervision in accordance with a system	
DATE	TELEPHONE		certify under penalty of law that this document and all attachments were	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MAILING ADDRESS: 5433 Shaune Drive CONTACT NAME: Stephen Locks LOCATION: 3 mile Egan Drive FACILITY: Salmon Creek Water Plant Backwash Juneau, AK 99801

Juneau, AK 99801

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

PERMIT NUMBER: AKG380005

MONITORING PERIOD: 5/1/20:

Sample Type	Frequency of	No.	Units	
	NO DISCHARGE:			
	5/31/2018	TO)18

										-	
Parameter		Quantity or Loading	r Loading	Units	Quality	ity or Concentration	ition	Units	No.	Frequency of Sample Typ	Sample Typ
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
Flow	Sample meas.	0.027	0.035		* * * * *	* * * * *	* * * * *		0	Continuous	
1 - Final Effluent Permit 50050 reqmt.	Permit reqmt.	Report monthly average	Report daily maximum	MGD	* * * *	** ** ** *	**			Continuous	Recorded
Sulfate	Sample meas.	* * *	* * * * *		****				0	0	
1 - Final Effluent Permit 81020 reqmt.	ffluent Permit 81020 regmt.	* * * * *	****		* * * * *	Report instantaneous	Report daily maximum	mg/l		2X Annually	Grab

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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designed to assure that qualified personnel properly gather and revaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for pathering the information submitted is possible for pathering the information in the pathering the information in the information in the pathering the information in the information in the pathering the information in the information in the pathering the information in the information in the pathering the information in t
TYPED OR PRINTED are significant penalties for submitting false information, including the OFFICER OR AUTHORIZED AGENT AREA NUMBER Y M D

CONTACT NAME: Stephen Locks MAILING ADDRESS: 5433 Shaune Drive FACILITY: Salmon Creek Water Plant Backwash

LOCATION: 3 mile Egan Drive Juneau, AK 99801

PERMIT NUMBER: AKG380005

Juneau, AK 99801

MONITORING PERIOD: 5/1/2018

T0: 5/31/2018 NO DISCHARGE:

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning

Parameter		Quantity or Loading	r Loading	Units	Quali	Quality or Concentration	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.	Analysis	
рн	Sample meas.	* * * * *	** ** **		6.96	6.96	6.66		0	1	
1 - Final Effluent ₁ 00400	Permit reqmt.	* * * *	**		6.5 instantaneous minimum	Report instantaneous	8.5 instantaneous maximum	S.U.		Monthly	Grab
Salinity	Sample meas.	* * * * *	* * * * *		* * * * *				0	0	
1 - Final Effluent ₁ 00480	Permit reqmt	***	**		* * * *	Report instantaneous	Report daily maximum	ppt		2X Annually	Grab
Ammonia Nitrogen (as N)	Sample meas.	* * * * *	* * * * *		* * * *	<0.5	<0.5		0	1	
1 - Final Effluent ₁ 00610	Permit reqmt.	* * * * *	* ** ** *		**	Report instantaneous	Report daily maximum	mg/l		Monthly	Grab
Magnesium, total recoverable	Sample meas.	* * * * *	* * * *		* * * * *				0	0	
1 - Final Effluent 00921	Permit reqmt.	*****	* * * * *		****	Report instantaneous	Report daily maximum	ug/l		2X Annually	Grab
Arsenic, Total Recoverable	Sample meas.	* * * *	* * * *		* * * *				0	0	
1 - Final Effluent 00978	Permit reqmt.	***	** ** *		******	Report instantaneous	10 daily maximum	ug/l		2X Annually	Grab
	reqmt.										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were		TELEPHONE	DA:
	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 longified the system of the order to the control of the	SIGNATURE OF PRINCIPAL EXECUTIVE	907-500-4344	2018
Kyan w. Herman	gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there	SIGNATURE OF PRIN	407-500-4344	2018
	are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations	OFFICER OR AUTHORIZED AGENT	AREA NUMBER	Y N

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Υ Μ Ο	AREA I NUMBER	UTHORIZED AGENT
29 8102	59 Bloz 1245h-005-10h	RINCIPAL EXECUTIVE
	0 7. 13	
DATE	TELEPHONE	

MAILING ADDRESS: 5433 Shaune Drive CONTACT NAME: Stephen Locks Juneau, AK 99801 LOCATION: 3 mile Egan Drive FACILITY: Salmon Creek Water Plant Backwash Juneau, AK 99801

PERMIT NUMBER: AKG380005

MONITORING PERIOD: |5/1/2018

T0: NO DISCHARGE: 5/31/2018

Manganese, Total Recoverable Copper Total Recoverable Zinc Total Recoverable Parameter Lead Total Recoverable Iron, Total Recoverable OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning 1 - Final Effluent 01119 00980 01094 01114 11123 Permit reqmt. Permit Permit Permit Sample Permit reqmt. Sample Sample reqmt Sample reqmt. Sample meas. meas. meas. meas. meas. Average **** **** ***** ***** ***** ***** ***** ***** **** **Quantity or Loading** Maximum **** ***** ***** ***** ***** **** ***** ***** **** ***** Units Minimum **** ***** ***** **** **** ***** ***** ***** ***** **** **Quality or Concentration** instantaneous instantaneous instantaneous instantaneous instantaneous Average Report Report Report Report Report daily maximum daily maximum daily maximum daily maximum daily maximum Maximum Report Report Report Report Report Units l/gu l/gu l/gu l/gu l/gu Ex. 0 0 0 0 0 Frequency of 2X Annually 2X Annually 2X Annually 2X Annually 2X Annually **Analysis** 0 0 0 0 0 Sample Type Grab Grab Grab Grab Grab

AREA NUMBE	OFFICER OR AUTHORIZED AGENT	are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations	TYPED OR PRINTED
407-500-450	SIGNATURE OF PRINCIPAL EXECUTIVE	continuing the information, the information submitted is, to the best of my SIGNATURE OF PRINCIPAL EXECUTIVE 407 - 500 - 45 knowledge and belief, true accurate and complete. Tam aware that there	TYST S. HERE
_	Method	who manage the system, or those persons directly responsible for	
		the information submitted. Based on my inquiry of the person or persons	3
		designed to assure that qualified personnel properly gather and evaluate	
		prepared under my direction of supervision in accordance with a system	
TELEPHONE		I certify under penalty of law that this document and all attachments were	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Y M D	AREA NUMBER	OFFICER OR AUTHORIZED AGENT
201867	744-204-104	SIGNATURE OF PRINCIPAL EXECUTIVE
		More
DATE	TELEPHONE	

MAILING ADDRESS: 5433 Shaune Drive CONTACT NAME: Stephen Locks Juneau, AK 99801 LOCATION: 3 mile Egan Drive FACILITY: Salmon Creek Water Plant Backwash Juneau, AK 99801

MONITORING PERIOD: 5/1/2018

T0: NO DISCHARGE: 5/31/2018

OUTFALL / MONITORING POINT: 001B Enhanced Flux Cleaning PERMIT NUMBER: AKG380005

Grab	2X Annually		mg/l	Report daily maximum	Report instantaneous	* * * * *		*****	* * * *	ffluent Permit 81020 reqmt.	1 - Final Effluent Permit 81020 reqmt.
	0	0				* * * *		* * * *	* * * * *	Sample meas.	Sulfate
Grab	Monthly		mg/l	Report daily maximum	0.0075 Report instantaneous			**	*****	ffluent Permit 50060 reqmt.	1 - Final Effluent Permit 50060 reqmt.
	1	0		ND	ND	* * * * *		* * * * *	* * *	Sample meas.	Total Residual Chlorine
Grab	2X Annually		mg/l	Report daily maximum	Report instantaneous	******		**	* * * * * * *	ffluent Permit 46225 regmt.	1 - Final Effluent Permit 46225 regmt.
	0	0				* * * * *		* * * * *	* * * * *	Sample meas.	Chloride
oumpre 1 Jpc		Ex.	OIIIES	Maximum	Average	Minimum	OIIIG	verage Maximum	Average		ralametei
Frequency of Sample Type	_	2	IInite	ation	ity or Concentration	Onality	Ilmite	or I goding	Onantity		Daramotor

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	I cerufy under penalty of law that this document and all attachments were		TELEPHONE	DATE
Other contribution of the contribution of	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		0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,
The ser E. Horney	gathering the information, the information submitted is, to the best of my	SIGNATURE OF PRINCIPAL EXECUTIVE 407-500-4)5	107-500-47544	20186
TARED OR DENTED	are significant penalties for submitting false information, including the	OFFICER OR AUTHORIZED AGENT	AREA I NUMBER	YIMID
	possibility of fine and imprisonment for knowing violations			1 1 11 1

FACILITY: Salmon Creek Water Plant Backwash

MAILING ADDRESS: 5433 Shaune Drive Juneau, AK 99801

CONTACT NAME: Stephen Locks

LOCATION: 3 mile Egan Drive Juneau, AK 99801

NO DISCHARGE: 5/31/2018

OUTFALL / MONITORING POINT: 001C Chemical Clean in Place PERMIT NUMBER: AKG380005 MONITORING PERIOD: 5/1/2018 TO:

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

are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations	8 0 0	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Incently under penalty of aw that this document and all attachments were
OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE	
AREA NUMBER	907-500-4344	IELEPHONE
_	201	

MAILING ADDRESS: 5433 Shaune Drive CONTACT NAME: Stephen Locks Juneau, AK 99801 FACILITY: Salmon Creek Water Plant Backwash LOCATION: 3 mile Egan Drive Juneau, AK 99801

OUTFALL / MONITORING POINT: 001C Chemical Clean in Place PERMIT NUMBER: AKG380005 MONITORING PERIOD: 5/1/2018 TO: NO DISCHARGE: 5/31/2018

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

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are significant penalties for submitting lake information, including the possibility of fine and imprisonment for knowing violations	of my	the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for	designed to assure that qualified personnel properly gather and evaluate	I certify under penalty of law that this document and all attachments were
OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE		3	
AREA NUMBER	407-500-4344 20			TELEPHONE
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CUTIVE	17454-00-1941	59 8102
GENT	AREA NUMBER	YIMID

MAILING ADDRESS: 5433 Shaune Drive CONTACT NAME: Stephen Locks Juneau, AK 99801 LOCATION: 3 mile Egan Drive FACILITY: Salmon Creek Water Plant Backwash Juneau, AK 99801

PERMIT NUMBER: AKG380005

MONITORING PERIOD: 5/1/2018 T0: 5/31/2018

OUTFALL / MONITORING POINT: 001C Chemical Clean in Place NO DISCHARGE:

			6						5	NO DISCHANGE.	
Parameter		Quantity or Loading	or Loading	Units	Qual	Quality or Concentration	tion	Units	No.	Frequency of	Sample Type
		Average	Maximum		Minimum	Average	Maximum		Ex.		
Chloride	Sample meas.	* * * *	* * * *		* * * *				0		
1 - Final Effluent Permit 46225 reqmt.	ffluent Permit 46225 regmt.	****	* * * * *		* * * * *	Report instantaneous	Report daily maximum	mg/l		Annually	Grab
Total Residual Chlorine	Sample meas.	* * * * *	* * *		* * * * *				0		
1 - Final Effluent Permit 50060 reqmt.	ffluent Permit 50060 regmt	** **	***		** ** **	0.0075 Report instantaneous	Report daily maximum	mg/l		Annually	Grab
Sulfate	Sample meas.	* * * *	* * * *		* * * *				0		
1 - Final Effluent Permit 81020 reqmt.	ffluent Permit 81020 reqmt	****	** ** ** *		**	Report instantaneous	Report daily maximum	mg/l		Annually	Grab

COMMENTS:

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OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE	
AREA NUMBER	907-500-4344 2086	TELEPHONE
YIMID	2018 6 5	DATE