

Chris O'Brien 1873 Shell Simmons Dr. Suite 200 Juneau, AK 99801

December 8, 2023

### **INU International Airport Stormwater Sampling**

Date of Collection: November 27, 2023 Sampling Location: Juneau, Alaska

### Summary

Six samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on November 27, 2023.

The samples were analyzed for biochemical oxygen demand, chemical oxygen demand, ammonia, and pH. The parameter of pH was received past holding time. All other laboratory acceptance criteria were met for all samples.

A complete report of the final lab results is enclosed. The official laboratory report follows this letter, and includes the analytical results, case narrative, chain of custody form, and cooler receipt form.

Kind Regards,

Diara Cole

Diana Cote Admiralty Environmental



## Juneau International Airport

Permit AKR06AD42 Compliance

November 27, 2023

Juneau, AK

641 W. Willoughby Ave., Suite 301 Juneau, AK 99801 (907) 463 - 4415

www.admiraltyenvironmental.com

# **Analytical Report**

Admiralty Environmental EPA ID AK 00976

AE 33900

Sample Location	Site #16	6 Site #11 Site #10		Site #9	Site #6	Site #3
Date & Time Sampled	11/27/2023; 10:10	11/27/2023; 10:25	11/27/2023; 10:37	11/27/2023; 10:50	11/27/2023; 11:02	11/27/2023; 11:17
BOD (mg/L)	7.7	<2.4	<2.4	<2.4	<3.2	<2.4
COD (mg/L)	19	<15	<15	27	<15	<15
Ammonia (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
pH (S.U.)	7.65	7.26	7.35	6.92	7.63	6.84

#### Quality Control:

Anal	lysis	МВ	LCS	LCS Duplicate	RPD Date/Time Commenced		Holding time met
BC	DD	<2.0	95.7%	98.9%	3.3	11/29/2023; 08:27	Yes
CC	DD	<4.0	102.0%	104.0%	1.9	11/30/2023; 13:30	Yes
N	H3	<0.5	92.9%	96.8%	4.1	11/30/2023; 11:48	Yes
р	Ĥ					11/27/2023; 13:35	No

#### Case Narrative:

The parameter of pH was received past holding time and analyzed upon laboratory receipt. All other sample analysis QA/QC parameters were met for this event.

#### Analysis Description:

Analysis	Method	MDL	PQL	Unit		
BOD	EPA 405.1	2.0	2.0	mg/L		
COD	SM 5220D		15	mg/L		
NH3	Hach 10205	0.10	0.5	mg/L		
рН	EPA 150.1	0.10	0.1	pH units		

#### Key:

Rey:			
BOD	Biochemical Oxygen Demand	ND	Not Detected
COD	Chemical Oxygen Demand	PQL	Practical Quantitation Limit
LCS	Laboratory Control Standard	RPD	Relative Percent Difference
MB	Method Blank	NH3	Ammonia as N
MDL	Method Detection Limit	mg/L	Milligrams Per Liter

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David Wetzel CTO, Admiralty Environmental dwetzel@admiraltyenv.com

# Admiralty

Admiralty Environmental 641 W. Willoughby Ave., Suite 301 Juneau, AK 99801 (907) 463-4415

# CHAIN OF CUSTODY/TRANSMITTAL RECORD PAGE 1 OF 1

CLIENT:	Juneau International Airport					Stormwater Sampling MSGP ADEC Compliance									1	
REPORT 1	REPORT TO: Chris O'Brien PHONE#: 954-9				-		T				1	T				
ADDRESS: 1873 Shell Simmons Drive SAMPLED Suite 200, Juneau AK 99801 Juneau, AK 99801			SAMPLED BY:										AE 33900			
EMAIL: chi	MAIL: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com ANDRES. DELGADO C. JNSAI2PORT. Com						_									
BILL TO: c	hristopher.	obrien@jnuairport.com, pam.cl	napin@jnuairport.com		BOTTLES	0	Ammonia									
DATE	TIME	SITE DESCRIPTION /IDENT	FIER	MATRIX	# OF B(	pH, BOD	COD, A					1	PH		RESULTS	e e
11/27	1010	16-pono Osumese	TO RIVER	H <sub>2</sub> 0	* 2	1	1					+++				
11/27	1025	11- JORDAN CREEK	LULVERT OUTLET	H <sub>2</sub> 0	2	1	1									-
11/27	1037	10 - TWY G CU	H <sub>2</sub> 0	2		1				-				100		
11/27	1050	9- NEDA OUTLE		H <sub>2</sub> 0	2	- <u></u>	1			+						
11/27	1102	6 - TERMWAL A		H <sub>2</sub> 0	2	1	1						-			
11/27	1117	3 - UPPER DUCK CO		H <sub>2</sub> 0	2	1	1			$\uparrow\uparrow$						
LINQUISHED	BY:	RECEIVED BY:														
gnature	Ingture Signature Signature Signature			RECEN		Y:			Section	n to Be			g Laboratory			
inted Name	ELGADO	16400 Printed Name Kyle HOPKEDS Printed Name			Printed Name			100	əmp °C		8,0	-				
			Date	Date D		Date			- Co	nermo onditic ustody		<u>(45#7</u>			_	
ne /135			Time	ne Ti			ime Initialed			Ву:	KH					
K Re	se had u	In 2 hours of			-	-			-	Sh	nipped	Via:	-			

sampling on ice

# Admiralty Admiralty Environmental Cooler Receipt Form

Lab: Client:	Admiralty Juneau Inte	Environmental, mational Airport	LLC				AE 33900	
Date Opened:	11/27/2023	Opened by: K. Ho	pkins					
A. External Cool	ler Conditio	ons						
• Local Sampling E	vent							
1. Project ID:	SWPPP							
• Air-Transported S	ampling Eve	at	Lar	ge Temp. Blan	k: n/a		(temp in Celsius)	
	n/a							
2. COC Attached?	-							
3. Airbill attached?	CONTRACTOR OF THE OWNER	Properly Completed Airbill #: n/a	? n/a	Sigr	ned by AE e	employee?	n/a	
	n/a							
5. Seals Intact?	n/a		Ten	ıp. Blank: n/a			1	
COMMENTS:			. en	ip. Dialik. Ity a			(temp in Celsius)	
B. Sample Condit	tions							
Number of Samples		6	Pacl	king type:	cool	er		
Number of Bottles Re		12						
1. Samples in proper	bags? y	res						
2. Bottles intact?		res						
3. Sufficient sample v	· · · · · · · · · · · · · · · · · · ·	res			20			
4. Labels agree with (	COC? )	res						
5. Samples delivered	within holdin	ng time? yes						
6. Sample preservatio	on checked?	yes; pH	<20					
Problems encountere	d: r	0	-2.0					
Was the project mana	ager called?	no						
COMMENTS: r	ec'd w/in 2 h	ours of sampling on	ice.					
12	$\frown$					1		
Signature:	/		-	Data	and V	11/27	123; 145	
				Date	and time:	11/01	1221 113	
0	~							
27.77 E								