

Andres Delgado 1873 Shell Simmons Dr. Suite 200 Juneau, AK 99801

January 10, 2025

INU International Airport Stormwater Sampling

Date of Collection: December 24, 2024 Sampling Location: Juneau, Alaska

Summary

Six samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on December 24, 2024.

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



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

Juneau International Airport

Permit AKR06AD42 Compliance December 24, 2024 Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 36943

Sample Location	Date/Time Sampled	pH (S.U.)	BOD (mg/L)	Ammonia (mg/L)	COD (mg/L)
3- Upper Duck Creek	12/24/2024; 09:10	7.12	<2.0	<0.5	<22
6- Terminal Area Discharge	12/24/2024; 09:20	7.36	<2.0	<0.5	<22
9- NE Dev. Area Outlet	12/24/2024; 09:25	7.33	<2.0	<0.5	<22
10- TWY G Culvert	12/24/2024; 09:35	7.62	3.1	<0.5	<22
11- Jordan Crk Culvert Outlet	12/24/2024; 09:42	7.06	<2.0	<0.5	<22
16- Pond Discharge to River	12/24/2024; 10:25	7.29	90	<0.5	240

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	ate/Time Commenced Holding Time Met	
рН					12/24/2024; 11:11	No	RC
BOD	ND	78.0%			12/26/2024; 08:20	Yes	LL
NH3	ND	105.0%	108.0%	2.8%	01/03/2025; 11:01	Yes	RC
COD (LR)	ND	102.0%	98.0%	4.0%	01/03/2025; 10:15	Yes	RC
COD (HR)	ND	101.0%	101.0%	0.0%	01/10/2025; 09:53	Yes	KS

Analysis Description:

Analysis	Method	DF	MDL	PQL	Unit
рН	EPA 150.1	1	0.1	0.1	pH Units
BOD	SM 5210B	1	2.0	2.0	mg/L
NH3	Hach 10205	1	0.1	0.5	mg/L
COD (LR)	SM 5220D	1	6.8	22	mg/L
COD (HR)	SM 5220D	1	8.7	28	mg/L

Key:	
BOD	Biochemical Oxygen Demand
COD	Chemical Oxygen Demand
DF	Dilution Factor
HR	High Range
LCS	Laboratory Control Standard
LR	Low Range
MB	Method Blank
MDL	Method Detection Limit
mg/L	Milligrams Per Liter
ND	Not Detected
NH ₃	Ammonia
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference

Case Narrative: BOD LCS recovery below QC criteria. The parameter of pH was received past holding times and was analyzed upon laboratory receipt. All other sample analysis QA/QC parameters were met for this event.

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David Wetzel CTO, Admiralty Environmental dwetzel@admiraltyenv.com



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					R						Sam omp		ig nce				
REPORT T	ю:	Andres Delgado	PHONE#: 907-586-0962 (Pam)					T	TT	Т		TT	TT	-		369	43
ADDRESS: 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801			ed of												50'	1)	
EMAIL: par	m.chapin@	inuairport.com, andres.delg	ado@jnuairport.com														
BILL TO: p	am.chapin(@jnuairport.com, andres.de	lgado@jnuairport.com		BOTTLES	Q	COD, Ammonia										
DATE	TIME	SITE DESCRIPTION /IDE	NTIFIER	MATRIX	# OF B	pH, BOD	cop, A					2		рН	Temp	RESULTS	
12/24	0910	3 - upper ouck	LREEK - Z	H ₂ 0	2	1	1										
12/24	0920	6 - TERMINAL	REL DISCHARGE	H ₂ 0	2	1	1										
12/24	0925		AREA OUTLET	H ₂ 0	2	1	1								1		
12/24	0935	10	CULVERT	H ₂ 0	2	1	1										
12/24	0942	11 - JOEDAN CE	LIC CULVERT OUTLET	- H ₂ 0	2	1	1										
12/24	1025		HARGE tO RIVER	→ H ₂ 0	2	1	1										
							-	-									
RELINQUISHED	BY:	RECEIVED BY: Signature	RELINQUISHED BY:		RECEI	-	BY:	_									
L'IL		ship f	Signature	,		Signature				Section to Be Completed by Receiving Laboratory							
APRES L		Frinted Name LUKE LEUSUN	Printed Name	Printed Name [Printed Name				Temp °C: 0.07 Thermo ID#: (nb#7)							
100 A	ate 12/24/24 Date 12/24/24 Date			Date					_ Thermo ID#: [P Condition of Custody Seals:				9				
ime 65	me Time			lime (Initialed By: L(



Admiralty Admiralty Environmental Cooler Receipt Form

Lab: Client:		y Environmental, LLC rnational Airport				AE 36943
Date Opened:	12/24/2024	Opened by: L. Larson			PWSID#:	n/a
A. External Cool	ler Conditio	ons				
• Local Sampling E	vent					
1. Project ID:	Stormwater	Sampling				
2. COC Attached?	yes	Properly Completed?	yes	Signed by	AE employee?	yes
			Small Temp. Large Temp.		0.04 n/a	(temp in Celsius) (temp in Celsius)
• Air-Transported S	Sampling Eve	ent	Surge rentp.	Diurik.	iya	(temp in ceisius)
1. Project ID:	n/a					
 2. COC Attached? 3. Airbill attached? 4. Custody Seals? 5. Seals intact? 	n/a	Properly Completed? Airbill #: n/a	n/a	Signed by	AE employee?	n/a
	n/a		Temp. Blank	: n/a		(temp in Celsius)
COMMENTS:						
B. Sample Condi	<u>itions</u>					
Number of Samples Number of Bottles I 1. Samples in prope 2. Bottles intact?	Received:	6 12 yes yes	Packing type	:	cooler	
 Sufficient sample Labels agree with 		yes yes			•	
5. Samples delivered 6. Sample preservat Problems encounter	ion checked?	ling time? yes , e >(e	cte ^H			
Was the project mar	nager called?	no				
COMMENTS:	1	11			1.18	
Signature:	nl	4	-	Date and t	ime: 12/2	4/24; 1051