



Admiralty
ENVIRONMENTAL

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

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

March 31, 2023

JNU International Airport Stormwater Sampling

Date of Collection: March 22, 2023
Sampling Location: Juneau, Alaska

Summary

Six samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on March 22, 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,

Diana Cote
Admiralty Environmental



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

Permit AKR06AD42 Compliance

March 22, 2023

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 31593

Sample Location	Site 3	Site 6	Site 9	Site 10	Site 11	Site 16
Date & Time Sampled	03/22/2023; 11:40	03/22/2023; 10:35	03/22/2023; 10:44	03/22/2023; 10:53	03/22/2023; 11:20	03/22/2023; 11:05
BOD (mg/L)	<4.2	<5.5	10	<4.2	<4.2	66
COD (mg/L)	<28	<28	<28	<28	58	100
Ammonia (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
pH (S.U.)	6.49	6.71	6.80	7.20	6.59	7.01

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding time met
BOD	<2.0	89.1%	94.2%	5.6	03/23/2023; 07:42	Yes
COD	<4.0	100.6%	111.8%	10.5	03/24/2023; 10:45	Yes
NH3	<0.5	103.0%	106.0%	2.9	03/24/2023; 12:05	Yes
pH	---	---	---	---	03/22/2023; 13:10	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	8.7	28	mg/L
NH3	Hach 10205	0.10	0.5	mg/L
pH	EPA 150.1	0.10	0.1	pH units

Key:

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

David Wetzel
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Admiralty Environmental
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CHAIN OF CUSTODY/TRANSMITTAL RECORD
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CLIENT: Juneau International Airport				Stormwater Sampling MSGP ADEC Compliance				AE 31593								
REPORT TO: Chris O'Brien		PHONE#: 954-999-2357		# OF BOTTLES	pH, BOD	COD, Ammonia										
ADDRESS: 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801		SAMPLED BY:														
EMAIL: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com																
BILL TO: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com																
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH, BOD	COD, Ammonia	FIELD RESULTS									
							pH	Temp								
3/22/23	1140	3 - UPPER DUCK CREEK - 2	H ₂ O	2	1	1										
3/22/23	1035	6 - TERMINAL AREA DISCHARGE	H ₂ O	2	1	1										
3/22/23	1044	9 - NE DEV. AREA OUTLET	H ₂ O	2	1	1										
3/22/23	1053	10 - TWY G CULVERT	H ₂ O	2	1	1										
3/22/23	1120	11 - JORDAN CREEK CULVERT OUTLET	H ₂ O	2	1	1										
3/22/23	1105	16 - POND DISCHARGE TO RIVER.	H ₂ O	2	1	1										
RELINQUISHED BY:				RECEIVED BY:				Section to Be Completed by Receiving Laboratory								
Signature		Signature		Signature		Signature		Temp °C:		Thermo ID#:		Condition of Custody Seals:		Initialed By:		
								4.4		lab # 7		✓				
Printed Name		Printed Name		Printed Name		Printed Name										
ANDRES DELGADO		Pam Chapin														
Date		Date		Date		Date										
3/22/23		3/22/23														
Time		Time		Time		Time										
1200		1200														
RELINQUISHED BY:				RECEIVED BY:				Shipped Via:								
Signature		Signature		Signature		Signature										
Printed Name		Printed Name		Printed Name		Printed Name										
Date		Date		Date		Date										
Time		Time		Time		Time										



Admiralty Environmental Cooler Receipt Form

Lab: Admiralty Environmental, LLC
Client: Juneau International Airport

AE# AE 31593

Date Opened: 3/22/2023 Opened by: H. O'Neill

A. External Cooler Conditions

• Local Sampling Event

1. Project ID: MSGP Sampling

2. COC Attached? **yes** Properly Completed? **yes** Signed by AE employee? **yes**

Small Temp. Blank: **4.40** (temp in Celsius)
Large Temp. Blank: **n/a** (temp in Celsius)

• Air-Transported Sampling Event

1. Project ID: **n/a**

2. COC Attached? **n/a** Properly Completed? **n/a** Signed by AE employee? **n/a**

3. Airbill attached? **n/a**

Airbill #: **n/a**

4. Custody Seals? **n/a**

5. Seals intact? **n/a**

Temp. Blank: **n/a** (temp in Celsius)

COMMENTS:

B. Sample Conditions

Number of Samples Received: **6** Packing type: **cooler**

Number of Bottles Received: **12**

1. Samples in proper bags? **yes**

2. Bottles intact? **yes**

3. Sufficient sample volume? **yes**

4. Labels agree with COC? **yes**

5. Samples delivered within holding time? **yes, except pH**

6. Sample preservation checked? **yes**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: **3/22/23; 1200**