



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 8, 2024

JNU International Airport Stormwater Sampling

Date of Collection: February 27, 2024
Sampling Location: Juneau, Alaska

Summary

One sample from the Juneau International Airport was received at Admiralty Environmental, Juneau, AK on February 27, 2024.

The sample was 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
 www.admiraltyenvironmental.com

2024
 Q1
 (Feb)

Juneau International Airport

Permit AKR06AD42 Compliance

February 27, 2024

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 34391

Note: Dry / Frozen
 All All
 Except #11

Sample Location	11- Jordan Creek Culvert Outlet
Date & Time Sampled	02/27/2024; 10:06
BOD (mg/L)	<3.0
COD (mg/L)	<22
Ammonia (mg/L)	<0.5
pH (S.U.)	6.95

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met
BOD	<2.0	97.2%	95.2%	2.1%	02/28/2024; 07:59	Yes
COD	<4.0	102.0%	96.0%	6.1%	02/29/2024; 09:31	Yes
NH3	<0.5	98.9%	102.0%	3.1%	02/29/2024; 10:25	Yes
pH	---	---	---	---	02/27/2024; 11:45	No

Analysis Description:

Analysis	Method	MDL	PQL	Unit
BOD	SM 5210B	2.0	3.0	mg/L
COD	SM 522D	6.8	22	mg/L
NH3	Hach 10205	0.1	0.5	mg/L
pH	EPA 150.1	0.1	0.1	pH units

Case Narrative:

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

Key:

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

David Wetzel
 CTO, Admiralty Environmental
 dwetzel@admiraltyenv.com



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CHAIN OF CUSTODY/TRANSMITTAL RECORD
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CLIENT: **Juneau International Airport**

**Stormwater Sampling
 MSGP ADEC Compliance**

REPORT TO: **Andres Delgado** PHONE#: **907-586-0962 (Pam)**
 ADDRESS: **1873 Shell Simmons Drive** SAMPLED BY: **Andres Delgado**
 Suite 200, Juneau AK 99801
 Juneau, AK 99801
 EMAIL: **pam.chapin@jnuairport.com, andres.delgado@jnuairport.com**
 BILL TO: **pam.chapin@jnuairport.com, andres.delgado@jnuairport.com**

AE 34391

DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	PH, BOD	COD, Ammonia	FIELD RESULTS	
							pH	Temp
2/27	0930	6-TERMINAL AREA DISCHARGE - DRY/ICE	H ₂ O	2	1-1			
2/27	0942	9 - NEDA OUTLET - DRY/ICE	H ₂ O	2	1-1			
2/27	0953	10 - TUY G COLLECT - DRY/ICE	H ₂ O	2	1-1			
2/27	1006	11 - JORDAN CREEK COLLECT OUTLET	H ₂ O	2	1-1			
2/27	1015	16 - POND DISCHARGE TO RIVER DRY/ICE	H ₂ O	2	1-1			
2/27	1037	3 - UPPER DUCK CREEK - 2 DRY/ICE	H ₂ O	2	1-1			

RELINQUISHED BY: Signature: <i>Andres Delgado</i>	RECEIVED BY: Signature: <i>Andres Delgado</i>	Section to Be Completed by Receiving Laboratory
Printed Name: Andres Delgado	Printed Name: Andres Delgado	Temp °C: 4.8
Date: 2/27/2024	Date: 2/27/24	Thermo ID#: 60677B
Time: 1117	Time: 1117	Condition of Custody Seals: RL
		Initiated By: RL
		Shipped Via: RL

*see client note, only 1 site received (11-Jordan Creek) *AD*



Admiralty Environmental Cooler Receipt Form

Lab: Admiralty Environmental, LLC
Client: JNU Airport

AE 34391

Date Opened: 2/27/2024 Opened by: R. Crocker

A. External Cooler Conditions

• Local Sampling Event

1. Project ID: Stormwater Sampling

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

Small Temp. Blank 4.80 (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: 1 Packing type: cooler

Number of Bottles Received: 2

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, pH < 2**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: 2/27/24, 11:17