



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

February 9, 2024

JNU International Airport Stormwater Sampling

Date of Collection: January 30, 2024
Sampling Location: Juneau, Alaska

Summary

Six samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on January 30, 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,

Diana Cote
Admiralty Environmental

2024 Q1



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www.admiraltyenvironmental.com

Juneau International Airport
Permit AKR06AD42 Compliance
January 30, 2024
Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976
AE 34215

Sample Location	6 - Terminal Area Discharge	9 - NEDA Outlet	10 - Twy G Culvert	11 - Jordan Creek Culvert Outlet	16 - Pond Discharge to River	3 - Upper Duck Creek - 2
Date & Time Sampled	01/30/2024; 08:55	01/30/2024; 09:08	01/30/2024; 09:15	01/30/2024; 09:23	01/30/2024; 11:30	01/30/2024; 11:40
BOD (mg/L)	<4.0	<3.0	4.9	<3.0	98	<3.0
COD (mg/L)	<22	<22	<22	<44	140	<22
Ammonia (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
pH (S.U.)	7.20	6.90	7.13	6.78	7.12	6.81

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding time met
BOD	<2.0	89.9%	89.4%	0.6	01/31/2024; 08:40	Yes
COD	<4.0	101.0%	102.0%	1.0	02/02/2024; 11:19	Yes
NH3	<0.5	101.0%	102.0%	1.0	02/02/2024; 14:13	Yes
pH	—	—	—	—	01/30/2024; 13:20	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	4.0	mg/L
COD	SM 5220D	6.8	22	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

David Wetzel
CTO, Admiralty Environmental
dwetzel@admiraltyenv.com



Admiralty Environmental Cooler Receipt Form

Lab: **Admiralty Environmental, LLC**
Client: **Juneau International Airport**

AE 34215

Date Opened: **1/30/2024** Opened by: **L. Larson**

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: **1.40** (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? **no, pH**

6. Sample preservation checked? **yes, <2 pH**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: **1/30/24, 1200**



Admiralty Environmental
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 Juneau, AK 99801
 (907) 463-4415

CHAIN OF CUSTODY/TRANSMITTAL RECORD
 PAGE 1 OF 1

CLIENT: **Juneau International Airport**

REPORT TO: Chris O'Brien PHONE#: 954-999-2357
 ADDRESS: 1873 Shell Simmons Drive SAMPLED BY: **Andres Delgado**
 Suite 200, Juneau AK 99801
 Juneau, AK 99801
 EMAIL: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com,
 andres.delgado@jnuairport.com
 BILL TO: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com

Stormwater Sampling
MSGP ADEC Compliance

AE 34215

DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH	BOD	COD, Ammonia	FIELD RESULTS	
								pH	Temp
1/30/24	0855	6-TERMINAL AREA DISCHARGE	H ₂ O	2	1	1			
1/30/24	0908	9 - NEDA OUTLET	H ₂ O	2	1	1			
1/30/24	0918	10 - TUV 6 CURVECT	H ₂ O	2	1	1			
1/30/24	0925	11 - JORDAN CREEK CURVECT OUTLET	H ₂ O	2	1	1			
1/30/24	1130	16 - FORD DISCHARGE TO RIVER	H ₂ O	2	1	1			
1/30/24	1140	3 - UPPER DUCK CREEK - 2	H ₂ O	2	1	1			

RELINQUISHED BY: Signature: <i>[Signature]</i> Printed Name: ANDRES DELGADO Date: 1/30/2024 Time: 1200	RECEIVED BY: Signature: <i>[Signature]</i> Printed Name: Andres Delgado Date: 1/30/24 Time: 1200
RELINQUISHED BY: Signature: _____ Printed Name: _____ Date: _____ Time: _____	RECEIVED BY: Signature: _____ Printed Name: _____ Date: _____ Time: _____
Section to Be Completed by Receiving Laboratory	
Temp °C: 140	
Thermo ID#: L61478	
Condition of Custody Seals: LL	
Initiated By: _____	
Shipped Via: _____	