

Revised
07/14/2023



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

July 14, 2023

JNU International Airport Stormwater Sampling

Date of Collection: June 26, 2023
Sampling Location: Juneau, Alaska

Summary

Five samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on June 26, 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. The report was revised to reflect the correct reported value for chemical oxygen demand on site #11. No other changes were made to the report.

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



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Juneau International Airport

Permit AKR06AD42 Compliance

June 26, 2023

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 32557

Sample Location	Site #3	Site #6	Site #9	Site #11	Site #16
Date & Time Sampled	06/26/2023; 12:21	06/26/2023; 11:39	06/26/2023; 11:27	06/26/2023; 11:52	06/26/2023; 12:04
BOD (mg/L)	5.3	<6.0	7.4	<4.0	6.5
COD (mg/L)	36	32	21	<15	47
Ammonia (mg/L)	0.59	<0.5	<0.5	<0.5	<0.5
pH (S.U.)	6.06	7.41	6.85	6.91	8.11

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding time met
BOD	<2.0	105.3%	105.5%	0.2	06/26/2023; 14:00	Yes
COD	<4.0	100.0%	98.0%	2.0	06/29/2023; 10:37	Yes
NH3	<0.5	99.6%	101.0%	1.4	06/29/2023; 11:59	Yes
pH	---	---	---	---	06/26/2023; 14:00	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	4.0	15	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

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CHAIN OF CUSTODY/TRANSMITTAL RECORD
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CLIENT: Juneau International Airport				Stormwater Sampling MSGP ADEC Compliance				AE 32557					
REPORT TO: Chris O'Brien		PHONE#: 954-999-2357		# OF BOTTLES	pH, BOD	COD, Ammonia	FIELD RESULTS						
ADDRESS: 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801		SAMPLED BY:											
EMAIL: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com ANDRES DELGADO @JNU AIRPORT .COM													
BILL TO: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com													
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH, BOD	COD, Ammonia	pH	Temp					
6/26	1221	3 - UPPER DICK CREEK -2	H ₂ O	2	1	1							
6/26	1139	6 - TERM AREA DISCHARGE	H ₂ O	2	1	1							
6/26	1127	9 - NE DA OUTLET	H ₂ O	2	1	1							
6/26	1120	10 - TWY G CULVERT - DRY	H ₂ O	2	1	1							
6/26	1152	11 - JORDON CREEK CULVERT OUTLET	H ₂ O	2	1	1							
6/26	1204	16 - POND DISCHARGE TO RIVER	H ₂ O	2	1	1							
RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		Section to Be Completed by Receiving Laboratory					
Signature		Signature		Signature		Signature							
Printed Name		Printed Name		Printed Name		Printed Name							
Date		Date		Date		Date							
Time		Time		Time		Time							
Signature		Signature		Signature		Signature		Temp °C: 44°C					
Printed Name		Printed Name		Printed Name		Printed Name		Thermo ID#: IR#3					
Date		Date		Date		Date		Condition of Custody Seals: -					
Time		Time		Time		Time		Initiated By: CC					
Signature		Signature		Signature		Signature		Shipped Via: -					

* Site 6 preserved upon lab receipt
** Site 10 dry, no bottles rec'd



Admiralty Environmental Cooler Receipt Form

Lab: Admiralty Environmental, LLC
Client: Juneau International Airport

AE 32557

Date Opened: 6/26/2023 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: **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: **5** Packing type: **cooler**

Number of Bottles Received: **10**

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**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS: Site 10 dry, no sample. pH received out of hold.

Signature: 

Date and time: 6/26/23; 1320