



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

Juneau International Airport
 MSGP Compliance
 December 30, 2021
 Juneau, AK

Analytical Report
 Admiralty Environmental EPA ID AK 00976
 AE 28042

Sample Location	Jordan Ck. Culvert 11
Date & Time Sampled	12/30/2021; 13:55
BOD (mg/L)	4.8
COD (mg/L)	160
Ammonia (mg/L)	0.92
pH (S.U.)	6.92

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met
BOD	<2.0	106.6%	79.5%	29.1%	12/30/2021; 15:00	Yes
COD	<4.0	106.8%	107%	0.4%	01/12/2022; 11:50	Yes
NH3	<0.5	102.0%	103%	1.0%	01/12/2022; 14:55	Yes
pH	---	---	---	---	12/30/2021; 15:00	No

Analysis Description:

Analysis	Method	MDL	PQL	Unit
BOD	EPA 405.1	2.0	2.0	mg/L
COD	SM 522D	4.0	15	mg/L
NH3	Hach 10205	0.1	0.5	mg/L
pH	EPA 150.1	0.1	0.1	pH units

Case Narrative:

the parameter of pH was received past holding time and analyzed upon laboratory receipt. BOD LCS RPD is above QC criteria. 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
 President, Admiralty Environmental
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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

January 14, 2022

JNU International Airport Stormwater Sampling

Date of Collection: December 30, 2021
Sampling Location: Juneau, Alaska

Summary

One sample from the Juneau International Airport was received at Admiralty Environmental, Juneau, AK on December 30, 2021.

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



Admiralty Environmental Cooler Receipt Form

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

AE# AE 28042

Date Opened: **12/30/2021** Opened by: **H. O'Neill**

A. External Cooler Conditions

• Local Sampling Event

1. Project ID: **MSGP compliance**

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

Small Temp. Blank **2.37** (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, COD/NH3 bottle pH <2**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: **12/30/2021 14:38**



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 28042
REPORT TO: Chris O'Brien PHONE#: 954-989-2357		PHONE#: 954-989-2357		COD, Ammonia PH, BOD # OF BOTTLES			
ADDRESS: 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801			SAMPLED BY: <i>Chris O'Brien</i>				
EMAIL: christopher.obrien@jnuaairport.com, pam.chapin@jnuaairport.com							
BILL TO: christopher.obrien@jnuaairport.com, pam.chapin@jnuaairport.com							

DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	PH, BOD	COD, Ammonia	# OF BOTTLES
12/30	1355	Jordan creek water outlet	H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1
		1 sample	H ₂ O	2 1 1	1 1	2 1 1
		received.	H ₂ O	2 1 1	1 1	2 1 1
		to tops	H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1
			H ₂ O	2 1 1	1 1	2 1 1

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature	Signature	Signature	Signature
<i>Chris O'Brien</i>	<i>Chris O'Brien</i>		
Printed Name Chris O'Brien	Printed Name Chris O'Brien	Printed Name	Printed Name
Date 12/30/2001	Date 12/30/01	Date	Date
Time 1438	Time 1438	Time	Time

Temp °C: 2.37	Thermo ID#: 100 #7	Condition of Custody Seals: ✓	Initiated By: <i>AO</i>	Shipped Via:
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