



Admiralty
ENVIRONMENTAL

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

Paul Lingley III
1873 Shell Simmons Dr.
Suite 200
Juneau, AK 99801

March 9, 2021

JNU International Airport Stormwater Sampling

Date of Collection: February 26, 2021
Sampling Location: Juneau, Alaska

Summary

Seven samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on February 26, 2021.

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



Juneau International Airport

Permit AKR06AD42 Compliance

February 26, 2021

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 26192

Sample Location	Site #3	Site #11	Site #10	Site #9	Site #6	Site #17	Site #18
Date & Time Sampled	02/26/2021; 07:31	02/26/2021; 07:44	02/26/2021; 07:53	02/26/2021; 08:00	02/26/2021; 08:05	02/26/2021; 08:20	02/26/2021; 08:30
BOD (mg/L)	13	<3.0	140	91	14	<3.0	3.8
COD (mg/L)	49	30	300	140	36	<15	25
Ammonia (mg/L)	2.9	0.74	<0.5	<0.5	<0.5	<0.5	0.56
pH (S.U.)	6.88	6.97	7.21	7.74	7.86	7.48	7.29

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD (%)	Date/Time Commenced	Holding time met
BOD	<2.0	111.6%	103.5%	7.5	02/26/2021; 09:30	Yes
COD	<4.0	103.0%	113.0%	9.3	03/05/2021; 12:10	Yes
NH3	<0.5	105.0%	106.0%	0.9	03/05/2021; 10:50	Yes
pH	---	---	---	---	02/26/2021; 09:45	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	15.0	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
President, Admiralty Environmental
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Admiralty Environmental
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 (907) 463-4415

CHAIN OF CUSTODY/TRANSMITTAL RECORD
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CLIENT: Juneau International Airport				Stormwater Sampling MSGP ADEC Compliance										AE 26192							
REPORT TO: Paul Lingley				PHONE#: 907-209-0555										FIELD RESULTS							
ADDRESS: 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801				SAMPLED BY: <i>Paul Lingley</i>																	
EMAIL: paul.lingley@jnuairport.com, pam.chapin@jnuairport.com																					
BILL TO: paul.lingley@jnuairport.com, pam.chapin@jnuairport.com																					
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH, BOD	COD, Ammonia												pH	Temp		
2-26	7:31	Upper Duck ck / #3	H ₂ O	2	1 1																
2-26	7:44	Jordan ck culvert outlet / #11	H ₂ O	2	1 1																
2-26	7:53	Tuxing G culvert / #10	H ₂ O	2	1 1																
2-26	8:00	NE Development Area culvert / #9	H ₂ O	2	1 1																
2-26	8:05	Terminal Area Discharge / #6	H ₂ O	2	1 1																
2-26	8:20	Jordan ck / #17	H ₂ O	2	1 1																
2-26	8:30	Duck ck / #8	H ₂ O	2	1 1																
2-26	7:37	Pond Discharge culvert / #16 <i>Frozen *</i>	H ₂ O	2	1 1																
RELINQUISHED BY:				RECEIVED BY:				RECEIVED BY:				Section to Be Completed by Receiving Laboratory									
Signature: <i>Paul Lingley</i>				Signature: <i>Emily Timm</i>				Signature: _____													
Printed Name: Paul Lingley				Printed Name: Emily Timm				Printed Name: _____													
Date: 2-26-21				Date: 2/26/21				Date: _____													
Time: 8:52				Time: 0900				Time: _____													
								Temp °C: 5.95				Thermo ID#: Lab #7									
												Condition of Custody Seals: <input checked="" type="checkbox"/> at									
												Initialed By: _____									
												Shipped Via: _____									

* no samples delivered for #16



Admiralty Environmental Cooler Receipt Form

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

AE# AE 26192

Date Opened: **2/26/2021** Opened by: **E. Timm**

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: **5.95** (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: **7** Packing type: **cooler**

Number of Bottles Received: **14**

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 for pH**

6. Sample preservation checked? **yes**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: 2/26/21; 0900