



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

January 29, 2021

JNU International Airport Stormwater Sampling

Date of Collection: January 19, 2021
Sampling Location: Juneau, Alaska

Summary

Eight samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on January 19, 2021.

The parameter of pH was received past holding time. Sample bottles from sites #17 and #18 contained ice and were rejected upon laboratory receipt. All other laboratory acceptance criteria were met for all samples. The accepted samples were analyzed for biochemical oxygen demand, chemical oxygen demand, ammonia, and pH.

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

January 19, 2021

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 26050

Sample Location	Upper Duck / #3	Pond Discharge to River / #16	Jordan Ck Culvert to Outlet / #11	Taxiway Golf Culvert / #10	NE Development Area Outlet / #9	Terminal Area Discharge / #6
Date & Time Sampled	01/19/2021; 12:34	01/19/2021; 12:39	01/19/2021; 12:45	01/19/2021; 12:52	01/19/2021; 12:58	01/19/2021; 13:02
BOD (mg/L)	<4.0	6.1	<4.0	<4.0	<4.0	<5.0
COD (mg/L)	<15	52	15	36	25	15
Ammonia (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
pH (S.U.)	6.75	7.48	7.07	7.19	7.10	7.67

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding time met
BOD	<2.0	109.3%	108.8%	0.5	01/21/2021; 08:30	Yes
COD	<4.0	101.6%	101.2%	0.4	01/21/2021; 10:53	Yes
NH3	<0.5	100.0%	99.6%	0.4	01/21/2021; 15:05	Yes
pH	---	---	---	---	01/19/2021; 14:40	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	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
 dwetzel@admiraltyenv.com



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

CHAIN OF CUSTODY/TRANSMITTAL RECORD
 PAGE 1 OF 1

CLIENT: **Juneau International Airport**

**Stormwater Sampling
 MSGP ADEC Compliance**

REPORT TO: Paul Lingley PHONE#: 907-209-0555

ADDRESS: 1873 Shell Simmons Drive
 Suite 200, Juneau AK 99801
 Juneau, AK 99801

SAMPLED BY:
Paul Lingley

EMAIL: paul.lingley@jnuairport.com, pam.chapin@jnuairport.com

BILL TO: paul.lingley@jnuairport.com, pam.chapin@jnuairport.com

AE
 26050

DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH, BOD	COD, Ammonia	FIELD RESULTS			
							pH	Temp		
* 1-19-21	12:19	Sorden CK enter Airport / 17	H ₂ O	2	1	1				
* 1-19-21	12:27	Duck CK Enter Airport / 18	H ₂ O	2	1	1				
1-19-21	12:34	UPPER ^{Duck} CR-2 CR-2 / 3	H ₂ O	2	1	1				
1-19-21	12:39	Pond Discharge to River / 16	H ₂ O	2	1	1				
1-19-21	12:45	Sorden CK culvert Outlet / 11	H ₂ O	2	1	1				
1-19-21	12:52	Taxiway Golf culvert / 10	H ₂ O	2	1	1				
1-19-21	12:58	NE Development Area outlet / 9	H ₂ O	2	1	1				
1-19-21	1:02	Terminal Area Discharge / 6	H ₂ O	2	1	1				

RELINQUISHED BY: Signature <i>Paul Lingley</i>	RECEIVED BY: Signature <i>Emily Timm</i>	RELINQUISHED BY: Signature	RECEIVED BY: Signature
Printed Name Paul Lingley	Printed Name Emily Timm	Printed Name	Printed Name
Date 1-19-21	Date 1/19/21	Date	Date
Time 1:30	Time 1:35	Time	Time

Section to Be Completed by Receiving Laboratory

Temp °C:	1.0 ³		
Thermo ID#:	Lab# 7		
Condition of Custody Seals:	✓		
Initialed By:	ET		
Shipped Via:	-		

*samples had ice present: rejected et (#17 & #18)



Admiralty Environmental Cooler Receipt Form

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

AE# AE 25050

Date Opened: **1/19/2021** Opened by: **E. Timm**

A. External Cooler Conditions

• Local Sampling Event

1. Project ID: **Stormwater**

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

Small Temp. Blank **1.03** (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? **yes, except pH**

6. Sample preservation checked? **yes, COD/NH3 bottles pH <2**

Problems encountered: **yes, ice present in sample #17 & #18; rejected**

Was the project manager called? **yes**

COMMENTS:

Signature: 

Date and time: 1/19/21; 1335