



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

August 27, 2021

JNU International Airport Stormwater Sampling

Date of Collection: August 12, 2021
Sampling Location: Juneau, Alaska

Summary

Six samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on August 12, 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



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

Permit AKR06AD42 Compliance

August 12, 2021

Juneau, AK

Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 27239

Sample Location	Upper Duck Creek-2 (3)	Terminal Area (6)	NE Development Area Outlet (9)	Culvert (10)	Jordan Creek Culvert Outlet (11)	Pond Discharge to River (16)
Date & Time Sampled	08/12/21; 09:10	08/12/21; 09:26	08/12/21; 09:35	08/12/21; 09:43	08/12/21; 09:56	08/12/21; 10:51
BOD (mg/L)	<4.0	<4.8	<4.0	<4.0	<4.0	<4.0
COD (mg/L)	15	26	24	<15	16	43
Ammonia (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
pH (S.U.)	6.53	7.67	7.25	7.24	6.85	7.72

Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding time met
BOD	<2.0	102.0%	102.2%	0.2	08/13/2021; 08:22	Yes
COD	<4.0	102.2%	102.8%	0.6	08/19/2021; 12:15	Yes
NH3	<0.5	104.0%	103.0%	1.0	08/19/2021; 12:37	Yes
pH	---	---	---	---	08/12/2021; 14:10	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

David Wetzel
President, 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 27239									
REPORT TO: Chris O'Brien			PHONE#: 954-999-2357			# OF BOTTLES pH, BOD COD, Ammonia											
ADDRESS: 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801			SAMPLED BY: <i>Chris O'Brien</i>														
EMAIL: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com																	
BILL TO: christopher.obrien@jnuairport.com, pam.chapin@jnuairport.com																	
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH, BOD	COD, Ammonia										FIELD RESULTS	
																pH	Temp
8/12/21	0910	Upper truck creek - 2 (3)	H ₂ O	2	1	1											
8/12/21	0926	terminal area discharge (6)	H ₂ O	2	1	1											
8/12/21	0935	NE Development area outlet (9)	H ₂ O	2	1	1											
8/12/21	0943	Twy G culvert (10)	H ₂ O	2	1	1											
8/12/21	0956	Jordan creek culvert outlet (11)	H ₂ O	2	1	1											
8/12/21	1051	Pont discharge to river (16)	H ₂ O	2	1	1											
			H ₂ O	2	1	1											
			H ₂ O	2	1	1											
RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		Section to Be Completed by Receiving Laboratory Temp °C: 2.7 _____ Thermo ID#: IR# 3 _____ Condition of Custody Seals: <input checked="" type="checkbox"/> _____ Initialed By: <i>et</i> _____ Shipped Via: _____									
Signature: <i>Chris O'Brien</i>		Signature: <i>Emily Timm</i>		Signature: _____		Signature: _____											
Printed Name: Chris O'Brien		Printed Name: Emily Timm		Printed Name: _____		Printed Name: _____											
Date: 8/12/21		Date: 8/12/21		Date: _____		Date: _____											
Time: 1343		Time: 1343		Time: _____		Time: _____											



Admiralty Environmental Cooler Receipt Form

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

AE# AE 27239

Date Opened: **8/12/2021** Opened by: **E. Timm**

A. External Cooler Conditions

• Local Sampling Event

1. Project ID: **SWPPP**

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

Small Temp. Blank **2.70** (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**

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

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: **8/12/21, 1343**