



**Admiralty**  
ENVIRONMENTAL

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

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

April 12, 2021

### **JNU International Airport Stormwater Sampling**

Date of Collection: March 31, 2021  
Sampling Location: Juneau, Alaska

#### **Summary**

Six samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on March 31, 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



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## Juneau International Airport

Permit AKR06AD42 Compliance

March 31, 2021

Juneau, AK

## Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 26329

Sample Location	Site #3 Upper Duck	Site #16 Pond Discharge to River	Site #11 Jordan Ck. Culvert Outlet	Site #10 Taxiway G Culvert	Site #9 NE Development Culvert	Site #6 Terminal Area Discharge
Date & Time Sampled	03/31/2021; 08:17	03/31/2021; 08:29	03/31/2021; 08:36	03/31/2021; 08:42	03/31/2021; 08:47	03/31/2021; 08:51
BOD (mg/L)	<4.0	170	<4.0	<4.0	<4.0	<5.0
COD (mg/L)	43	260	79	15	20	<15
Ammonia (mg/L)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
pH (S.U.)	6.90	7.08	6.81	7.32	7.10	7.31

### Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding time met
BOD	<2.0	114.4%	114.9%	0.4	04/02/2021; 08:02	Yes
COD	<4.0	110.6%	104.2%	6.0	04/08/2021; 11:11	Yes
NH3	<0.5	98.4%	96.6%	1.8	04/08/2021; 13:20	Yes
pH	---	---	---	---	03/31/2021; 09:50	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	Milligram Per Liter

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**Admiralty Environmental**  
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 Juneau, AK 99801  
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CLIENT: <b>Juneau International Airport</b>				<b>Stormwater Sampling MSGP ADEC Compliance</b>													AE <span style="font-size: 2em; color: blue;">26329</span>				
REPORT TO: Paul Lingley		PHONE#: 907-209-0555		# OF BOTTLES	pH, BOD	COD, Ammonia															FIELD RESULTS
ADDRESS: 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801		SAMPLED BY: <i>Paul Lingley</i>					pH	Temp													
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX																		
3-31-21	8:17	UPPER DUCK CR -2 / 3	H <sub>2</sub> O	2	1	1															
3-31-21	8:29	Road Discharge to River / 16	H <sub>2</sub> O	2	1	1															
3-31-21	8:36	Jordan cr culvert outlet / 11	H <sub>2</sub> O	2	1	1															
3-31-21	8:42	Taxiway 6 Culvert / 10	H <sub>2</sub> O	2	1	1															
3-31-21	8:47	NE Development culvert / 9	H <sub>2</sub> O	2	1	1															
3-31-21	8:51	Terminal Area Discharge / 8	H <sub>2</sub> O	2	1	1															
			<del>H<sub>2</sub>O</del>	<del>2</del>	<del>1</del>	<del>1</del>															
			<del>H<sub>2</sub>O</del>	<del>2</del>	<del>1</del>	<del>1</del>															
RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		Section to Be Completed by Receiving Laboratory													
Signature <i>Paul Lingley</i>		Signature <i>Tomoneill</i>		Signature		Signature															
Printed Name Paul Lingley		Printed Name Tomoneill		Printed Name		Printed Name															
Date 3-31-21		Date 3/31/21		Date		Date															
Time 9:12		Time 0915		Time		Time															
								Temp °C: <span style="font-size: 1.2em;">5.23</span>													
								Thermo ID#: <span style="font-size: 1.2em;">Lab#7</span>													
								Condition of Custody Seals: <span style="font-size: 1.2em;">✓</span>													
								Initialed By: <span style="font-size: 1.2em;">HL</span>													
								Shipped Via: <span style="font-size: 1.2em;">—</span>													



# Admiralty Environmental Cooler Receipt Form

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

AE# AE 26329

Date Opened: **3/31/2021** Opened by: **H. O'Neill**

## 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 **5.23** (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**

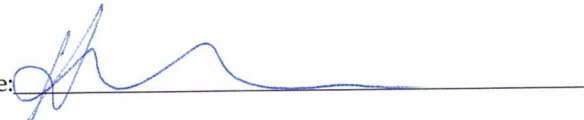
5. Samples delivered within holding time? **yes, except pH**

6. Sample preservation checked? **yes, nutrients bottles pH <2**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: **3/31/21; 0915**