



**Admiralty**  
ENVIRONMENTAL

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

---

Andres Delgado  
1873 Shell Simmons Dr.  
Suite 200  
Juneau, AK 99801

December 11, 2024

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

Date of Collection: November 25, 2024  
Sampling Location: Juneau, Alaska

#### **Summary**

One sample from the Juneau International Airport was received at Admiralty Environmental, Juneau, AK on November 25, 2024.

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.

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

November 25, 2024

Juneau, AK

## Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 36795

<b>Sample Location</b>	<b>11 - Jordan Creek Culvert Outlet</b>
<b>Date/Time Sampled</b>	<b>11/25/2024; 09:57</b>
<b>pH (S.U.)</b>	<b>7.02</b>
<b>BOD (mg/L)</b>	<b>&lt;2.0</b>
<b>Ammonia (mg/L)</b>	<b>&lt;0.5</b>
<b>COD (mg/L)</b>	<b>&lt;22</b>

**Quality Control:**

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met	Analyst
pH	---	---	---	---	11/25/2024; 12:34	No	KS
BOD	ND	75.3%	---	---	11/27/2024; 08:34	Yes	KS
NH <sub>3</sub>	ND	105.0%	107.0%	1.9%	12/05/2024; 15:03	Yes	KS
COD	ND	104.0%	100.0%	3.9%	12/09/2024; 09:31	Yes	KS

**Analysis Description:**

Analysis	Method	DF	MDL	PQL	Unit
pH	EPA 150.1	1	0.1	0.1	pH Units
BOD	SM 5210B	1	2.0	2.0	mg/L
NH <sub>3</sub>	Hach 10205	1	0.1	0.5	mg/L
COD (LR)	SM 5220D	1	6.8	22	mg/L

**Case Narrative:**

The parameter of pH was received past holding time and analyzed upon laboratory receipt. BOD LCS recovery is below QC criteria. All other sample analysis QA/QC parameters were met for this event.

**Key:**

<b>BOD</b>	Biochemical Oxygen Demand
<b>COD</b>	Chemical Oxygen Demand
<b>DF</b>	Dilution Factor
<b>LCS</b>	Laboratory Control Standard
<b>LR</b>	Low Range
<b>MB</b>	Method Blank
<b>MDL</b>	Method Detection Limit
<b>mg/L</b>	Milligrams Per Liter
<b>ND</b>	Not Detected
<b>NH<sub>3</sub></b>	Ammonia
<b>PQL</b>	Practical Quantitation Limit
<b>RPD</b>	Relative Percent Difference

David Wetzel  
 CTO, 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

<b>CLIENT:</b> Juneau International Airport				<b>Stormwater Sampling</b>					<b>AE 36795</b>																									
<b>REPORT TO:</b> Andres Delgado				<b>MSGP ADEC Compliance</b>										<table border="1"> <tr> <th colspan="4">FIELD RESULTS</th> </tr> <tr> <th>pH</th> <th>Temp</th> <th></th> <th></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>					FIELD RESULTS				pH	Temp										
FIELD RESULTS																																		
pH	Temp																																	
<b>PHONE#:</b> 907-586-0962 (Pam)				# OF BOTTLES	pH, BOD	COD, Ammonia																												
<b>ADDRESS:</b> 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801							<b>SAMPLED BY:</b> <i>ANDRES DELGADO</i>																											
<b>EMAIL:</b> pam.chapin@jnuairport.com, andres.delgado@jnuairport.com																																		
<b>BILL TO:</b> pam.chapin@jnuairport.com, andres.delgado@jnuairport.com																																		
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH, BOD	COD, Ammonia																												
<del>11/25</del>	<del>0930</del>	<del>6 - TERM. AREA DISCHARGE (DRY)</del>	<del>H<sub>2</sub>O</del>	<del>2</del>	<del>1</del>	<del>1</del>																												
<del>11/25</del>	<del>0937</del>	<del>9 - NE. DEV. AREA OUTLET (ICE/DRY)</del>	<del>H<sub>2</sub>O</del>	<del>2</del>	<del>1</del>	<del>1</del>																												
<del>11/25</del>	<del>0944</del>	<del>10 - TWY G. CULVERT (DRY)</del>	<del>H<sub>2</sub>O</del>	<del>2</del>	<del>1</del>	<del>1</del>																												
<del>11/25</del>	<del>0957</del>	<del>11 - JORDAN CREEK CULVERT OUTLET</del>	<del>H<sub>2</sub>O</del>	<del>2</del>	<del>1</del>	<del>1</del>																												
<del>11/25</del>	<del>1008</del>	<del>16 - POND DISCHARGE TO RIVER (ICE)</del>	<del>H<sub>2</sub>O</del>	<del>2</del>	<del>1</del>	<del>1</del>																												
<del>11/25</del>	<del>1017</del>	<del>3 - UPPER WALK CREEK - 2 (DRY)</del>	<del>H<sub>2</sub>O</del>	<del>2</del>	<del>1</del>	<del>1</del>																												
<b>RELINQUISHED BY:</b>				<b>RECEIVED BY:</b>				<b>Section to Be Completed by Receiving Laboratory</b>																										
Signature <i>[Signature]</i>				Signature <i>[Signature]</i>				Temp °C: <u>5.96</u>																										
Printed Name <u>ANDRES DELGADO</u>				Printed Name <u>K. Swidzinski</u>				Thermo ID#: <u># 7B</u>																										
Date <u>11/25/24</u>				Date <u>11/25/24</u>				Condition of Custody Seals: <u>-</u>																										
Time <u>1056</u>				Time <u>1056</u>				Initialed By: <u>K</u>																										
								Shipped Via: <u>-</u>																										

\*Only one site sampled



# Admiralty Environmental Cooler Receipt Form

Lab: Admiralty Environmental, LLC  
Client: Juneau International Airport

AE 36795

Date Opened: 11/25/2024 Opened by: K. Swidzinski

PWSID#: n/a

## 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: 5.96 (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, pH<2**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: 11/25/24; 1056