



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

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

April 11, 2025

**JNU International Airport Stormwater Sampling**

Date of Collection: March 27, 2025  
Sampling Location: Juneau, Alaska

**Summary**

Four samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on March 27, 2025.

The parameter of pH was received past holding time and was analyzed upon lab receipt for all sites. Samples collected from sites 6 and 9 did not meet receiving temperature criteria for biochemical oxygen demand, chemical oxygen demand, or ammonia, and were rejected for those analyses. The samples from sites 11 and 16 met all laboratory acceptance criteria and were analyzed for biochemical oxygen demand, chemical oxygen demand, and ammonia.

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,

A handwritten signature in dark ink, appearing to read "Hope". The signature is fluid and cursive, with a long horizontal stroke at the end.

Hope O'Neill  
Admiralty Environmental



641 W. Willoughby Ave., Suite 301, Juneau, AK 99801  
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## Juneau International Airport

Permit AKR06AD42 Compliance

March 27, 2025

Juneau, AK

## Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 37434

Sample Location	Date/Time Sampled	pH (S.U.)	BOD (mg/L)	Ammonia (mg/L)	COD (mg/L)
Terminal Area Discharge - 6	03/27/2025; 10:20	7.51	---	---	---
NE Develop Area Out - 9	03/27/2025; 10:32	7.14	---	---	---
Jordan Creek Culvert Out - 11	03/27/2025; 12:00	7.60	<2.0	<0.5	420
Pond Discharge to Riv - 16	03/27/2025; 12:18	7.24	12	<0.5	33

### Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met	Analyst
pH	---	---	---	---	03/27/2025; 14:08	No	KS/AM
BOD	ND	96.6%	---	---	03/28/2025; 08:21	Yes	LL
NH3	ND	104.0%	105.0%	1.0%	04/08/2025; 12:32	Yes	RC
COD (HR)	ND	101.6%	102.0%	0.4%	04/08/2025; 10:48	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
NH3	Hach 10205	1	0.1	0.5	mg/L
COD (HR)	SM 5220D	1	8.7	28.0	mg/L

### Case Narrative:

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

### Key:

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

David Wetzel  
CTO, 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 37434								
REPORT TO: Andres Delgado		PHONE#: 907-586-0962 (Pam)		# OF BOTTLES	pH, BOD	COD, Ammonia															FIELD RESULTS			
ADDRESS: 1873 Shell Simmons Drive Suite 200, Juneau AK 99801 Juneau, AK 99801		SAMPLED BY: PATRICK MILLAY																			pH	Temp		
EMAIL: pam.chapin@jnuairport.com, andres.delgado@jnuairport.com, JNU_Airport@jnuairport.com				BILL TO: pam.chapin@jnuairport.com, andres.delgado@jnuairport.com, JNU_Airport@jnuairport.com																				
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH, BOD	COD, Ammonia																		
3/27/25	12:25	Upper Duck - 2 (3) Dry	H <sub>2</sub> O	2	1	1																		
3/27/25	10:20	Terminal Area Discharge (6)	H <sub>2</sub> O	2	1	1																		
3/27/25	10:32	NE Develop Area out (9)	H <sub>2</sub> O	2	1	1																		
3/27/25	10:40	Taxiway G culvert (10) Dry	H <sub>2</sub> O	2	1	1																		
3/27/25	12:00	Jordan Creek Culvert out (11)	H <sub>2</sub> O	2	1	1																		
3/27/25	12:18	Pond Discharge to Riv (16)	H <sub>2</sub> O	2	1	1																		
RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		Section to Be Completed by Receiving Laboratory																
Signature		Signature		Signature		Signature		Temp °C: 6.02 * 6.32 *																
Printed Name		Printed Name		Printed Name		Printed Name		Thermo ID#: #7B																
Date		Date		Date		Date		Condition of Custody Seals: /																
Time		Time		Time		Time		Initialed By: AM																
13:05		13:05						Shipped Via: /																

\* Sites running dry, samples not taken

\*\* BOD, COD, NH<sub>3</sub> received over temp and rejected Per client. Client to resample. -KH



# Admiralty Environmental Cooler Receipt Form

Lab: Admiralty Environmental, LLC  
Client: Juneau International Airport

AE 37434

Date Opened: 3/27/2025 Opened by: A. Murphy

## 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 6.02\* (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: 4 Packing type: cooler

Number of Bottles Received: 8

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/c

6. Sample preservation checked? yes, pH <2.0

Problems encountered: no

Was the project manager called? no

COMMENTS: \* samples recived out of temp range. Proceeded per client request

Signature: A. Murphy

Date and time: 3/27/25 13:05