



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

---

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

February 4, 2025

**JNU International Airport Stormwater Sampling**

Date of Collection: January 22, 2025  
Sampling Location: Juneau, Alaska

**Summary**

Five samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on January 23, 2025.

The samples were analyzed for biochemical oxygen demand, chemical oxygen demand, ammonia, and pH. The parameter of pH was received past holding time. Samples from site 2 were rejected due to the suspected mixing of preserved and unpreserved sample bottles. 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,

A handwritten signature in black 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  
(907) 463 - 4415  
www.admiraltyenvironmental.com

## Juneau International Airport

Permit AKR06AD42 Compliance

January 22, 2025

Juneau, AK

## Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 37068

Sample Location	Date/Time Sampled	pH (S.U.)	BOD (mg/L)	Ammonia (mg/L)	COD (mg/L)
6- Terminal Area Discharge	01/22/2025; 18:12	7.59	<3.7	<0.5	<28
9- NEDA Outlet	01/22/2025; 18:18	7.34	32	<0.5	54
10- Taxiway G Culvert	01/22/2025; 18:30	7.61	100	<0.5	160
11- Jordan Creek Culvert Outlet	01/22/2025; 18:43	7.08	<2.0	<0.5	<28
16- Pond Discharge to River	01/22/2025; 18:50	7.43	41	<0.5	66

### Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met	Analyst
pH	---	---	---	---	01/23/2025; 09:47	Yes	NH
BOD	ND	85.9%	---	---	01/24/2025; 08:24	Yes	KH
NH3	ND	109.0%	109.0%	0.0%	01/24/2025; 10:30	Yes	LL
COD (HR)	ND	104.0%	102.2%	1.7%	01/28/2025; 11:10	Yes	KH

### Analysis Description:

Analysis	Method	DF	MDL	PQL	Unit
pH	EPA 150.1	1	0.1	0.1	pH Units
BOD	SM 5210B	1	3.7	3.7	mg/L
NH3	Hach 10205	1	0.1	0.5	mg/L
COD (HR)	SM 5220D	1	8.7	28	mg/L

### Case Narrative:

The parameter of pH was received past holding times 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  
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												AE 37068					
REPORT TO: Andres Delgado		PHONE#: 907-586-0962 (Pam)		# OF BOTTLES	pH, BOD	COD, Ammonia															
DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX													pH	Temp				
1/22/25	6:12AM	6-Terminal Area Discharge	H <sub>2</sub> O	2	1	1															
1/22/25	6:18PM	9- NEDA Outlet	H <sub>2</sub> O	2	1	1															
1/22/25	6:30PM	10-Taxiway G Culvert	H <sub>2</sub> O	2	1	1															
1/22/25	6:43pm	11- JORDAN CREEK CULVERT OUTLET	H <sub>2</sub> O	2	1	1															
1/22/25	18:50	16- Pond Discharge to River	H <sub>2</sub> O	2	1	1															
1/22/25	19:02	<del>Upper Duck Creek - 2</del>	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: 1.20 Thermo ID#: 64547B Condition of Custody Seals: <input checked="" type="checkbox"/> Initialed By: KH Shipped Via: -													
Printed Name		Printed Name		Printed Name		Printed Name															
Date		Date		Date		Date															
Time		Time		Time		Time															
ANDRES DELGADO		Kyle Hopkins																			
1/23/25		1/23/25																			
0907		0907																			

\* COD/NH<sub>3</sub> samples for sites 16 and 2 received unpreserved.  
Added 0.5 mL H<sub>2</sub>SO<sub>4</sub> (AEW 2317) upon lab receipt.

\*\* Client called to inform of rejection of sample site #2 due to suspected mixing of preserved and unpreserved sample bottles.  
-KH



# Admiralty Environmental Cooler Receipt Form

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

AE 37068

Date Opened: **1/22/2025** Opened by: **K. Hopkins**

PWSID#: **n/a**

## 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 **1.20** (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; pH <2.0**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: **1/23/2025**