



**Admiralty**  
ENVIRONMENTAL

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January 10, 2025

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

Date of Collection: December 24, 2024  
Sampling Location: Juneau, Alaska

#### **Summary**

Six samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on December 24, 2024.

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



**Juneau International Airport**  
 Permit AKR06AD42 Compliance  
 December 24, 2024  
 Juneau, AK

**Analytical Report**  
 Admiralty Environmental EPA ID AK 00976  
 AE 36943

Sample Location	Date/Time Sampled	pH (S.U.)	BOD (mg/L)	Ammonia (mg/L)	COD (mg/L)
3- Upper Duck Creek	12/24/2024; 09:10	7.12	<2.0	<0.5	<22
6- Terminal Area Discharge	12/24/2024; 09:20	7.36	<2.0	<0.5	<22
9- NE Dev. Area Outlet	12/24/2024; 09:25	7.33	<2.0	<0.5	<22
10- TWY G Culvert	12/24/2024; 09:35	7.62	3.1	<0.5	<22
11- Jordan Crk Culvert Outlet	12/24/2024; 09:42	7.06	<2.0	<0.5	<22
16- Pond Discharge to River	12/24/2024; 10:25	7.29	90	<0.5	240

**Quality Control:**

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met	Analyst
pH	---	---	---	---	12/24/2024; 11:11	No	RC
BOD	ND	78.0%	---	---	12/26/2024; 08:20	Yes	LL
NH3	ND	105.0%	108.0%	2.8%	01/03/2025; 11:01	Yes	RC
COD (LR)	ND	102.0%	98.0%	4.0%	01/03/2025; 10:15	Yes	RC
COD (HR)	ND	101.0%	101.0%	0.0%	01/10/2025; 09:53	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 (LR)	SM 5220D	1	6.8	22	mg/L
COD (HR)	SM 5220D	1	8.7	28	mg/L

**Case Narrative:**

BOD LCS recovery below QC criteria. 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
HR	High Range
LCS	Laboratory Control Standard
LR	Low 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

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# Admiralty Environmental Cooler Receipt Form

Lab: Admiralty Environmental, LLC  
Client: Juneau International Airport

AE 36943

Date Opened: 12/24/2024 Opened by: L. Larson

PWSID#: n/a

## 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 0.04 (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, <2 pH**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: 12/24/24; 1051