



**Admiralty**  
ENVIRONMENTAL

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

---

Chris O'Brien  
1873 Shell Simmons Dr.  
Suite 200  
Juneau, AK 99801

February 20, 2022

**JNU International Airport Stormwater Sampling**

Date of Collection: February 8, 2022

Sampling Location: Juneau, Alaska

**Summary**

Four samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on February 8, 2022.

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



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

## Juneau International Airport

Permit AKR06AD42 Compliance

February 8, 2022

Juneau, AK

## Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 28255

Sample Location	Pond Discharge to River	Upper Duck Creek - 2	NE Development Area Outlet	Jordan Ck Culvert Outlet
Date & Time Sampled	2/8/2022, 09:23	2/8/2022, 10:15	2/8/2022, 09:40	2/8/2022, 09:23
BOD (mg/L)	140	< 4.0	< 4.0	< 4.0
COD (mg/L)	220	< 15	23.0	220.0
Ammonia (mg/L)	< 0.5	< 0.5	< 0.5	< 0.5
pH (S.U.)	6.97	6.43	6.93	6.96

### Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding time met
BOD	<2.0	93.9%	92.7%	1.3	2/9/2022; 08:25	Yes
COD	<4.0	103.8%	107.6%	3.6	2/14/2022; 11:02	Yes
NH3	<0.5	97.8%	96.9%	0.9	2/10/2022; 12:31	Yes
pH	---	---	---	---	2/8/2022; 12:20	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	Milligrams Per Liter

David Wetzel  
CTO, Admiralty Environmental  
dwetzel@admiraltyenv.com





# Admiralty Environmental Cooler Receipt Form

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

AE# AE 28255

Date Opened: **2/8/2022** Opened by: **K. Hopkins**

## A. External Cooler Conditions

### • Local Sampling Event

1. Project ID: **Stormwater Sampling MSGP**

2. COC Attached? **yes** Properly Completed? **yes** Signed by AE employee? **yes**

Small Temp. Blank **4.30** (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**

6. Sample preservation checked? **yes**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: \_\_\_\_\_

Date and time: \_\_\_\_\_

**2/8/22; 1057**