



**Admiralty**  
ENVIRONMENTAL

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

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

January 26, 2022

**JNU International Airport Stormwater Sampling**

Date of Collection: January 14, 2022  
Sampling Location: Juneau, Alaska

**Summary**

Three samples from the Juneau International Airport were received at Admiralty Environmental, Juneau, AK on January 14, 2022.

The samples were analyzed for biochemical oxygen demand, chemical oxygen demand, ammonia, and pH. The parameter of pH was received past holding times. 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



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## Juneau International Airport

Permit AKR06AD42 Compliance

January 14, 2022

Juneau, AK

## Analytical Report

Admiralty Environmental EPA ID AK 00976

AE 28127

Sample Location	Upper Duck Creek 2	NE Development Area Outlet	Jordan Creek Culvert Outlet
Date & Time Sampled	01/14/2022; 14:25	01/14/2022; 14:44	01/14/2022; 15:08
BOD (mg/L)	5.0	53	8.9
COD (mg/L)	16	58	66
Ammonia (mg/L)	<0.5	<0.5	<0.5
pH (S.U.)	6.89	6.83	6.80

### Quality Control:

Analysis	MB	LCS	LCS Duplicate	RPD	Date/Time Commenced	Holding Time Met
BOD	<2.0	83.6%	83.8%	0.3%	01/14/2022; 16:00	Yes
COD	<4.0	102%	101.4%	0.4%	01/19/2022; 14:10	Yes
NH3	<0.5	103.0%	99.3%	3.7%	01/19/2022; 12:46	Yes
pH	---	---	---	---	01/14/2022; 16:22	No

### Analysis Description:

Analysis	Method	MDL	PQL	Unit
BOD	EPA 405.1	2.0	2.0	mg/L
COD	SM 522D	4.0	15.0	mg/L
NH3	Hach 10205	0.1	0.5	mg/L
pH	EPA 150.1	0.1	0.1	pH units

### 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.

### Key:

BOD	Biochemical Oxygen Demand
COD	Chemical Oxygen Demand
LCS	Laboratory Control Standard
MB	Method Blank
MDL	Method Detection Limit
mg/L	Milligrams Per Liter
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
NH3	Ammonia

David Wetzel  
President, Admiralty Environmental  
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CHAIN OF CUSTODY/TRANSMITTAL RECORD  
 PAGE 1 OF 1

<b>CLIENT: Juneau International Airport</b>				<b>Stormwater Sampling MSGP ADEC Compliance</b>										AE 28127																																																																		
REPORT TO: Chris O'Brien				PHONE#: 954-999-2357				<table border="1" style="width:100%; height: 100%; border-collapse: collapse;"> <tr> <td># OF BOTTLES</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>pH, BOD</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>COD, Ammonia</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>										# OF BOTTLES																					pH, BOD																					COD, Ammonia																				
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DATE	TIME	SITE DESCRIPTION / IDENTIFIER	MATRIX	# OF BOTTLES	pH	BOD	COD	Ammonia													pH	Temp																																																										
1/14/22	2:25 PM	upper duck creek - 2	H <sub>2</sub> O	2	1	1																																																																										
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RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		Section to Be Completed by Receiving Laboratory  Temp °C: 2.6 _____ Thermo ID#: Lab IR# _____ Condition of Custody Seals: - _____ Initialed By: RC _____ Shipped Via: - _____																																																																								
Signature		Signature		Signature		Signature																																																																										
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# Admiralty Environmental Cooler Receipt Form

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

AE# AE 28127

Date Opened: **1/14/2022** Opened by: **R. Crocker**

## A. External Cooler Conditions

### • Local Sampling Event

1. Project ID: **Juneau International Airport**

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

Small Temp. Blank **2.60** (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: **3** Packing type: **cooler**

Number of Bottles Received: **6**

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**

Problems encountered: **no**

Was the project manager called? **no**

COMMENTS:

Signature: 

Date and time: 1/14/22 ; 1553 <sup>RC</sup>