

Submission Complete

Multi-Sector General Permit Annual Report (Storm Water Multi-Sector General Permit Annual Report)

Submission HPQ-T9B0-089T6 Revision 1 Form Version 1.1

Multi-Sector General Permit Annual Report

version 1.1

(Submission #: HPQ-T9B0-089T6, version 1)

Details

Submission Alias Storm Water Multi-Sector General Permit Annual Report

Submission ID HPQ-T9B0-089T6

Status In Process

Form Input

Form Instructions

A separate Annual Report must be submitted for each permit number. Permittees must retain legible copies of submitted documents.

Permit Information

Permit Number
AKR06AD42

Permittee Information

First Name **Last Name**
Patricia *Wahto*

Title
Airport Manager

Phone Type **Number** **Extension**
Other 9077897821

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Juneau, AK 99801

Report Details

Facility Name
Juneau International Airport

Facility Address
1873 Shell Simmons Drive
Juneau, AK 99801

Facility Contact

First Name **Last Name**
Patricia *Wahto*

Title
Airport Manager

Phone Type **Number** **Extension**
Other 9077897821

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Lead Inspector's Name
Andres Delgado

Additional Inspector's Names

Christopher O'Brien

Inspection Date
11/07/2022

As part of this comprehensive site inspection, did you inspect all potential pollutant sources, including areas where industrial activity may be exposed to storm water?

Yes

Note: Complete the next section of this form for each industrial activity area inspected and included in your SWPPP or as newly defined, in this section below, where pollutants may be exposed to storm water

Did this inspection identify any storm water or non-storm water outfalls not previously identified in your SWPPP?

No

For each location, describe the sources of those storm water and non-storm water discharges and any associated control measures in place

Two outfalls have been removed from the program (no longer exist); this was changed to the program update in December 2022

Did this inspection identify any sources of storm water or non-storm water discharges not previously identified in your SWPPP?

No

Did you review storm water monitoring data as part of this inspection to identify potential pollutant hotspots?

Yes

Summarize the findings of that review and describe any additional inspection activities resulting from this review

In January 2022, lab results showed slightly elevated BODs at outfall 9 (NE Development): 53

No elevated levels were detected for the remaining deicing season and into spring.

In June 2022, lab results showed slightly elevated BODs at outfall 9 (NE Development): 72

No elevated levels were detected for the remaining summer and into the deicing season through November

In December 2022, lab results showed high elevations of BODs/CODs as follows:

Outfall 3 COD: 210 (upper Duck Creek)

Outfall 6: BOD: 270, COD: 360 (terminal area)

Outfall 9: BOD: 1700, COD: 2200 (NE Development)

Outfall 10: BOD: 1100, COD 1600 (TW G Culvert)

Outfall 16: BOD: 530, COD 400 (Pond Discharge to River)

Of note, local frozen ground water over ice; drainage may be ponding due to frozen ground (not draining) and sampling concentrated levels of BOD/COD. Additionally, a new fuel station abutting and 'upflow' from airport property near outfalls 9 and 10 (unknown if this is a factor with drainage onto airport property).

Describe any evidence of pollutants entering the drainage system or discharging to surface waters, and the condition of and around outfalls, including flow dissipation measure to prevent scouring

No evidence of pollutants. Airport uses approved New Deal deicer (past several years), so elevated BODs and CODs concentrated on east end is unknown. The Airport will continue to monitor and see if something is upstream (off airport since the valley drains to this area).

Have you taken or do you plan to take corrective actions, as specified in Part 8 of the permit, since your last annual report submission (or since you received authorization to discharge under this permit if this is your first annual report), including any corrective actions identified as a result of this annual comprehensive site inspection?

No

Do you certify that your annual inspection has met the requirements of Part 6.3 of the permit, and that, based upon the results of this inspection, to the best of your knowledge, you are in compliance with the permit?

Yes

Industrial Activity Area Specific Findings (1 of 11)

Main Ramp

Industrial Activity Area

Main Ramp

Brief Description

Airport Terminal, aircraft parking west and south of terminal, and air cargo west of main ramp.

Are any control measures in need of maintenance or repair?

No

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Industrial Activity Area Specific Findings (2 of 11)

Parking Lots

Industrial Activity Area Parking Lots

Brief Description

Public side of airport (north and east of airport terminal) which includes public parking lots, employee parking lot, and rental car lot; additionally, commercial ground transportation pickup and drop-off, and staging.

Are any control measures in need of maintenance or repair?

Yes

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

Provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action section.)

Employee parking lot and public parking lots have failing catch basins in need of repair and drainage issues. Repairs and parking lot rehab is scheduled for summer 2023.

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Industrial Activity Area Specific Findings (3 of 11)

Runways and Taxiway

Industrial Activity Area Runways and Taxiway

Brief Description

Paved airport runway and parallel taxiway, and runway-taxiway lings, south of the main terminal

Float Pond runway waterway for float plane activities (seasonal when not frozen), parallel and south of the runway

Are any control measures in need of maintenance or repair?

No

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

Yes

Provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action section.)

Outfall 7 (TW E, F infield West) and outfall 8 (TW E infield East) no longer exist due to realignment in outfalls following TWY project. This was updated in the SWPPP plan December 2022.

Winter/Spring 2022-2023 south side float pond road will raise bed and south embankment repairs from wave attenuation

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Industrial Activity Area Specific Findings (4 of 11)**West Ramp****Industrial Activity Area**

West Ramp

Brief Description

West and South of Alex Holden Way (air cargo) including Aero Services (FBO), NorthStar Trekking, UPS, Civil Air Patrol, Snow Removal Equipment Facility, Sand/Chemical/Fueling Facility (airport snow/ice control and equipment storage), and private hangars, and small aircraft tiedowns

Are any control measures in need of maintenance or repair?

No

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

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Industrial Activity Area Specific Findings (5 of 11)

Bulk Fuel Storage

Industrial Activity Area

Bulk Fuel Storage

Brief Description

Five 20,000 to 30,000 gallon above ground tanks, and one small tank; all used to store aviation fuel, located north of west ramp in separate fuel tank farm

Are any control measures in need of maintenance or repair?

No

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

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Industrial Activity Area Specific Findings (6 of 11)

FAA Flight Service Station

Industrial Activity Area

FAA Flight Service Station

Brief Description

FAA automated flight service station, Aero Services spill response warehouse, maintenance building, Alaska Communications Systems (ACS), Budget Rent-a-car and Fed Ex facility; located north of the main ramp

Are any control measures in need of maintenance or repair?

No

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

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Industrial Activity Area Specific Findings (7 of 11)

East Ramp

Industrial Activity Area

East Ramp

Brief Description

Coastal Helicopters, Ward Air, Alaska Seaplanes hangars, mix of commercial and private hangars; located east of the terminal. Note previously abandoned sand/chemical building was removed/demolished.

Are any control measures in need of maintenance or repair?

No

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

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Industrial Activity Area Specific Findings (8 of 11)

National Guard Ramp

Industrial Activity Area

National Guard Ramp

Brief Description

Glacier Fire Station (Aircraft Rescue and Fire Fighting apparatus bays) and landside fire/rescue, AirLift Northwest medevac, National Guard hangar, Guardian Flight medevac, Wings Airways and LifeMed medevac hangars; located east of terminal and east ramp

Are any control measures in need of maintenance or repair?

Yes

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

Provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action section.)

Culvert over Jordan creek near Glacier Fire Station and Gate K entry to airfield is showing signs of fatigue. This is scheduled for replacement Spring 2023

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Industrial Activity Area Specific Findings (9 of 11)

E-1 Ramp East and West

Industrial Activity Area

E-1 Ramp East and West

Brief Description

Transient parking for larger private jets located south of the National Guard Ramp and medevacs on either side of Taxiway E-1

Are any control measures in need of maintenance or repair?

No

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

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Industrial Activity Area Specific Findings (10 of 11)

TEMSCO Helicopter Ramp

Industrial Activity Area

TEMSCO Helicopter Ramp

Brief Description

Helicopter ramp for flight tours, charters, search/rescue and maintenance located east of E-1 East ramp

Are any control measures in need of maintenance or repair?

No

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

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Industrial Activity Area Specific Findings (11 of 11)

Drainage Areas along public airport roads

Industrial Activity Area

Drainage Areas along public airport roads

Brief Description

Roadways (Yandukin Drive , Shell Simmons Drive, Alex Holden Way, Cessna Drive and Livingston Way), curbs, gutters, catch basins, vegetated ditches and culverts that collect, treat and discharge stormwater runoff

Are any control measures in need of maintenance or repair?

Yes

Have any control measures failed and require replacement?

No

Are any additional/revised control measures necessary in this area?

No

Provide a description of the problem: (Any necessary corrective actions should be described on the attached Corrective Action section.)

Catch basins along Alex Holden near Gate E, and corner of Alex Holden/Renshaw Way require maintenance/repair work.

Public and employee parking lot drainage improvements to be completed Summer 2023 as part of the drainage and pavement rehab project

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Status History

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1/19/2023 9:26:59 AM	patty.wahto@jnuairport.com	Draft
1/19/2023 10:23:12 AM	patty.wahto@jnuairport.com	Submitting
1/19/2023 10:23:17 AM	patty.wahto@jnuairport.com	Submitted
1/19/2023 10:23:22 AM	patty.wahto@jnuairport.com	In Process
