CWA 401 Water Quality Certification Request

version 2.15

(Submission #: HQE-N1GD-TBMV2, version 1)

Details

Site: ANC PFAS Remediation

Submission ID HQE-N1GD-TBMV2

Form Input

Form Instructions

Form Instructions

Instructions for filling out the 401 Prefiling Meeting Request Form are located on the Alaska DEC website at the link below.
401 Prefiling Meeting Request Form Instructions

Agents: For Delegation of Authority to act on behalf of the applicant in processing the application, use the following form, have signed, and upload with application.

- Delegation of Authority - 401 Application

Contact Information (1 of 2)

Required Contacts

The following **Contact Roles are *REQUIRED***. Please select the appropriate role(s) for each contact and complete the contact details. Multiple role(s) may be assigned to each unique individual.

- **Applicant** (Responsible Party)
- **Billing Contact**

Contact Role(s)
Agent
Consultant
Application Preparer

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Lucus	Gamble

Title
Environmental Sciences Manager

Organization Name
Restoration Science & Engineering, LLC

Phone Type	Number	Extension
Business	907-278-1023	
Mobile	907-317-4348	

Email
lgamble@restorsci.com

Mailing Address

911 West 8th Avenue, Suite 100

Anchorage, AK 99501

USA

Contact Information (2 of 2)

Required Contacts

The following **Contact Roles are *REQUIRED***. Please select the appropriate role(s) for each contact and complete the contact details. Multiple role(s) may be assigned to each unique individual.

- **Applicant** (Responsible Party)
- **Billing Contact**

Contact Role(s)
Applicant
Billing Contact
Operator
Owner
Onsite Contact

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Jennifer	Lomardo

Title
Airport Engineer

Organization Name
Alaska DOT&PF Ted Stevens Anchorage International Airport

Phone Type	Number	Extension
Business	907-266-2731	

Email
jennifer.lombardo@alaska.gov

Mailing Address

P.O. Box 196960

Anchorage, AK 99519

United States

Project / Facility Site Info

Identify the applicable federal license or permit

A copy of the federal permit or license application is required to be submitted with the request for the water quality certification. (18 AAC 15.130, 18 AAC 15.180)

Federal Agency
Army Corps of Engineers (USACE)

Permit License Number (ex. USACE: POA-XXXX-XXXX; FERC: FERC-xxxx-xxxx; EPA: AK#######)
USACE: POA-2008-175; POA-2008-175 M1 and M2

Project Name or Title
ANC PFAS Remediation

Primary Receiving Waterbody Name
NONE PROVIDED

Estimated Project Dates (+/- 30 days)

Project Estimated Start Date	Project Estimated End/Completion Date
11/01/2025	07/30/2026

Approximate date(s) when any Discharge(s) may commence (+/- 30 days)

Description	Discharge Estimated Start Date	Discharge Estimated End Date
Contractor and material source dependent	11/01/2025	07/30/2026

Project Description (Nature of Activity, include all features)
The Alaska Department of Transportation and Public Facilities (DOT&PF) propose to make improvements to the storm drain inlets within the Postmark Bog at the Ted Stevens Anchorage International Airport (ANC). The project copes is replacing the two (2) existing inlet structures and installing an activated carbon treatment system. Work includes excavation, sub base backfill, new under drain piping, contaminated soil separation liner, drainage and separation geotextile, activated carbon backfill, and rip rap as a soil erosion control. New manholes will be installed downstream of the two (2) existing manholes and contain sluice gates to close the bog off from the Postmark storm drain. All excavated material will remain on site and added to the existing embankments.

Project Purpose (Describe the reason(s) for discharge)
The Postmark Bog, bound by Postmark Drive, DeHavilland Avenue, Taxiway R and Taxilane U is a known source of PFOS/PFOA compounds due to past fire training exercises performed at the ANC Fire Training Facility. ANC, in an effort to improve water quality into Cook Inlet from the Postmark Drive storm drain trunk, wants to install activated carbon treatment at the two storm drain inlets to capture the PFOS/PFOA compounds and activated carbon has been shown to effectively capture those compounds. ANC also wants the flexibility to block the bog off from the Postmark storm drain; new sluice gates will keep flows from leaving the bog, if closed.

Is any portion of the work already complete?
Yes

Please describe the completed work
Work was completed under the prior POA-2008-175 and its subsequent modifications, M1 and M2 to establish a snow disposal area. Department of Army permit number POA-2008-175, Postmark Bog, was issued to the Ted Stevens Anchorage International Airport (TSAIA) Alaska Department of Transportation and Public Facilities (ADOT&PF) on January 13, 2009, to: construct a snow disposal facility, discharge of 7,915 cubic yards of fill material into 1.31 acres of palustrine wetlands to construct two snow disposal operation
pads, a containment berm, two storm drain trenches, two gravel ponds and TWO STORM DRAIN MANHOLES. Approximately 9.4 acres of Postmark Bog [are] used to dispose of snow removed from the Aircraft Operations Area. Department of the Army permit number modification POA-2008-175-M1 (dated August 20, 2015). The 1st modification of the original permit: discharge of 10,000 cubic yards of fill onto 1.27 acres of wetlands to expand an existing snow disposal operation pad to improve its efficiency. Department of the Army permit number modification POA-2008-M2 (dated November 7, 2016). The 2nd permit modification of the original permit: to place 2 to 4 inches of Recycled Asphalt Pavement (RAP) across the 1.27-acre De Havilland snow dump expansion.

Description of current activity site conditions
Bog area adjacent to active snow dump and prior fire training area.

Relevant Site Data, Photographs that Represent Current Site Conditions, or other Relevant Documentation
NONE PROVIDED
Comment
NONE PROVIDED

Is this a linear project? (i.e., utility line, road, etc.)
No

Project Address
No physical address
[NO CITY SPECIFIED], AK *[NO ZIP CODE SPECIFIED]*

Visit the link below to help with conversion between DMS and Latitude/Longitude
DSM - Lat/Long converter

Project Location
61.18330249706435,-149.99271431074027

Visit the following link if you need to convert the lat/long to get the **PLSS information**
Converter for Section, Township, and Range

PLSS Location (Public Land Survey System)

State Tax Parcel ID	Borough/Municipality	Meridian	Section	Township	Range
NONE PROVIDED	Municipality of Anchorage	Seward	28	13N	4W

Directions to Site
W. Northern Lights Blvd. to Point Woronzof Rd., south on Postmark Dr., accessible via N. Tug Road; or W. International Airport Rd., north on Postmark Dr., accessible via N. Tug Road

Federal Agency Contact (1 of 1)

Have you been working with anyone in the Federal Agency?
Yes

Federal Contact Role
USACE

Federal Agency Contact

First Name	Last Name
Drew	Sliger

Title
Project Manager, Regulatory Division

Organization Name
U.S. Army Corps of Engineers

Phone Type	Number	Extension
Business	907-753-2723	

Email
drew.e.sliger@usace.army.mil

Dredge Material to be Discharged

Is dredging involved?
No

Tier Analysis

A tier analysis is comprised of a layered approach to determine the need for testing the dredge material to aid in generating physical, chemical, toxicity and bioaccumulation information, but not more information than is necessary to make factual determinations.
The tier analysis is a series of tiers (I – IV) or levels of intensity (and cost) of investigation. It is necessary to proceed through the tiers only until information is sufficient to make factual determinations, no further testing is required.

- **Tier I - Site Evaluation and History**. The initial tier (Tier I) uses readily available, existing information (including all previous testing). For certain dredge materials with readily apparent potential for environmental impact (or lack thereof), information collected in Tier I may be sufficient for making factual determinations.
- **Tier II - Chemical Testing** is concerned solely with sediment and water chemistry.
- **Tier III - Biological Testing (bioassay and/or bioaccumulation testing)** is concerned with well-defined, nationally accepte toxicity and bioaccumulation testing procedures.
- **Tier IV - Special Studies** allows for case-specific laboratory and field testing, and is intended to for use in unusual circumstances.

For more information regarding a Tier analysis, see below references

- EPA Inland Testing Manual
- USACE Seattle District Civil Works DMMP User Manual

Fill Material to be Discharged

Will Fill Material be Discharged?
Yes

For fill material, identify the material source
TBD

Types of material being discharged and the amount of each type (cubic yards)

Type	Cubic Yards
South Manhole; rip rap	12.5

Type	Cubic Yards
South Manhole; active carbon backfill	45.5
South Manhole; sub base	60.4
North Manhole; rip rap	24.2
North Manhole; active carbon backfill	87.9
North Manhole; sub base	117.4
North Site Disposal Area; existing soil within the project footprint, to be excavated during construction	367.0

Surface area in (acres or linear feet) of wetlands or other waters filled

Surface Area	Units
0.14	Acres

Discharge Location Information (1 of 1)

Identify the location and nature of any potential discharge that may result from the proposed project and the location of receiving waters

Discharge Location ID (001, 002, 003, - increment by one)
001

NOTE: if you have a receiving water that is Wetlands, just enter the generic term "Wetlands". Do not enter "Wetlands of Tanana River", for example.

Please select 'Other' if your waterbody is not in the list below.
You can start typing the name of the waterbody to filter the list.

Receiving Waterbody / Wetlands Name
Wetlands

Discharge Location
61.18330249706435,-149.99271431074027

Other Pollutant Sources

Contaminated Site Information

Determine if your project is **within 1,500 feet** of a known Alaska DEC Contaminated Site. See the *Alaska DEC Contaminated Web Map* below. This will help you to identify if any potential pollutants/parameters of concern may be present on your project site., see DEC's website:

- Contaminated Sites Web Map
- Contaminated Sites Database Search website

Is the project within 1,500 feet of a known contaminated site?
Yes

Contaminated Sites

Hazard ID#	Contaminated Site Name	Contaminant Type	Latitude	Longitude	In soil or groundwater?	CS Staff Contact

Hazard ID#	Contaminated Site Name	Contaminant Type	Latitude	Longitude	In soil or groundwater?	CS Staff Contact
24823	AIA - Field Maintenance Bldg.	Petroleum hydrocarbons	-149.9827	61.1832	Both	No longer assigned
24034	USPS - Anchorage General Mail Facility	Petroleum hydrocarbons	-149.9862	61.1834	Both	No longer assigned
24891	USPS - GMF	Petroleum hydrocarbons	-149.9858	61.1844	Soil	No longer assigned
1468	AIA Walker Pre-Flight Area	Petroleum hydrocarbons	-149.9843	61.1820	Soil	No longer assigned
26424	AIA Postmark Drive Historic Dump	Petroleum hydrocarbons, VOCs, PCBs	-149.9834	61.1811	Soil	Robert Burgess
24712	AIA - Tank #5	Petroleum hydrocarbons	-149.9879	61.1786	Soil	No longer assigned
27966	AIA - ADOT&PF Tank #15	Petroleum hydrocarbons	-149.9886	61.1784	Both	Robert Burgess
595	AFSC AIA North Termina	Petroleum hydrocarbons	-149.9895	61.1785	Both	Shawn Tisdell
26519	AIA Tanks #19, 20, 21	Petroleum hydrocarbons	-149.9945	61.1806	Soil	Robert Burgess
27137	AIA Aircraft Rescue and Fire Fighting Bldg PFAS	PFAS	-149.9974	61.1812	Both	Robert Burgess
24709	AIA Tank #23	Petroleum hydrocarbons	-149.9957	61.1816	Both	IC Unit
24710	AIA - Tank #20	Petroleum hydrocarbons	-149.9972	61.1818	Both	No longer assigned
27968	AIA - ADOT&PF Tank #16	Petroleum hydrocarbons	-149.9966	61.1823	Soil	No longer assigned
23883	AIA Tank #22	Petroleum hydrocarbons	-149.9967	61.1824	Both	IC Unit

Describe the identified contaminated site(s) or groundwater plume within 1,500 feet
PFAS, petroleum hydrocarbons, VOCs, and PCBs

Parameters of Concern that may be present in discharge

Parameter(s) of Concern

Identify the parameters of concern that may be present in your discharge from the dredge and/or fill material.

Note, **TURBIDITY** and **SEDIMENT** are routine parameters associated with dredge and/or fill activities.

Consider if other parameters may be present from past activities in the area such as contamianted site data, impaired waters or other relevant water quality data, or other parameters of concern identified during the application process.

Parameter(s)
Turbidity
Sediment
Petroleum Hydrocarbons
Other: PFAS

If known, describe respective concentrations, persistence, and potential impacts to the receiving water and data on parameters that may alter the effects of the discharge to the receiving water
PFOS and PFOA exceeding DEC Migration Method 2 Migration to Groundwater Soil Cleanup Levels and potentially DEC Table C. Groundwater Cleanup Levels (18 AAC 75).

Impaired Waters

An ***impaired waterbody*** are those listed as a **Category 4 [304(b)] or Category 5 [303(d)]** in the current EPA approved *Alaska's Integrated Water Quality Monitoring and Assessment Report.*

For the most recently *Approved Integrated Water Quality Monitoring And Assessment Report (Integrated Report)*, see DEC's website:

- **Integrated Water Quality Monitoring And Assessment Report** https://dec.alaska.gov/water/water-quality/integrated-report

Does a discharge of any parameter identified above occur to an impaired waterbody?
No

If determined necessary and requested by the Department, submit sufficient and credible baseline water quality information for the receiving water which meets the requirements of 18 AAC 70.016(a)(6)(A-C).

Avoidance & Minimization BMPs and Mitigation Measures

Describe how impacts are being avoided and minimized on the project site. Include best management practices (BMPs) for sediment and erosion controls that will be implemented to minimize environmental impacts, and any methods and means proposed to monitor the discharge and the equipment or measures planned to treat, control, or manage the discharge.

Include a description of any methods and means proposed to monitor the discharge and the equipment or measures planned to treat, control, or manage the discharge
Disturbed areas shall be stabilized immediately after construction to prevent erosion. Contaminated soil removed for project construction shall be disposed of along the embankment within Postmark Bog. During construction, spill response equipment and supplies, such as sorbent pads, shall be available and used immediately to contain and cleanup oil, fuel, hydraulic fluid, antifreeze or other pollutant spills. For any spill amount follow guidelines set by ADEC.

Avoidance Measures
Heavy equipment working in wetlands must be placed on mats, or other measures (e.g. ice roads, compacted snow, low psi ground bearing weight equipment, etc.) must be taken to prevent soil disturbances. New fill material (e.g. rip rap, activate carbon backfill, and sub base) must be clean, free from petroleum products and toxic contaminants in toxic amounts.

Minimization Measures
Reasonable precautions and controls must be used to prevent incidental and accidental discharge of petroleum products or other hazardous substances. Fuel storage and handling activities for equipment must be sited and conducted so there is no petroleum contamination of the ground, surface water runoff, or water bodies.

Mitigation Measures
The DOT&PF was previously charged 12.24 debits from their Klatt Bog mitigation balance to compensate for the potential loss of 14 acres of Relative Ecological Value (REV) 1 wetlands under POA-2008-175. Prior work did not exceed the potential loss of 14 acres of REV 1 wetlands within Postmark Bog, therefore the DOT&PF does not propose compensatory mitigation of the impacts described for this project. Moreover, the intent of this project is to protect water of the United States.

Social / Economic Importance

Social or Economic Importance

(18 AAC 70.016(c)(5): Provide information that demonstrates the accommodation of important social or economic development. The applicant shall complete either a social OR economic importance analysis (or both) for each affected community in the area where the receiving water for the proposed discharge is located.

Social Importance Analysis
Public health or safety improvements

Economic Importance Analysis
Commercial activities
Access to recourses

Describe Social and/or Economic Importance of the project
Intended to protect surface water resources from drainage from the Postmark Bog.

Description of Social or Economic Importance, if needed
NONE PROVIDED
Comment
NONE PROVIDED

List of Other Permits or Certificates

*Would include but is not restricted to zoning, building, and flood plain permits.

Include a list of all other federal, interstate, tribal, state, territorial, or local agency authorizations required for the proposed project, including all approvals or denials already received.

Agency	Type of Approval*	Identification Number	Date Applied	Date Approved	Date Denied
NONE PROVIDED	*NONE PROVIDED*	*NONE PROVIDED*	*NONE PROVIDED*	*NONE PROVIDED*	*NONE PROVIDED*

Other Agency or Local Contacts (1 of 1)

Contact Role
OTHER_REG_CNTCT

Other Agency and or Local Contacts

First Name Drew **Last Name** Sliger

Title
Project Manager, Regulatory Division

Organization Name
U.S. Army Corps of Engineers

Phone Type	Number	Extension
Business	9073174348	

Email
drew.e.sliger@usace.army.mil

Attachments

Copy of Federal Application (USACE, EPA, or FERC, etc.)
USACE Department of the Army Permit Application_Cover Letter_ANC PFAS Remediation.pdf - 08/06/2025 09:10 AM
Eng_Form_4345_2022Sep_ANC PFAS Remediation_signed.pdf - 08/06/2025 09:10 AM
Comment
NONE PROVIDED

Figures and/or Drawings/Plan Sets. To include a map or diagram of the proposed activity site, including the proposed activity boundaries in relation to local streets, roads, and highways.

01228-ANC-Wetlands Figures.pdf - 08/06/2025 09:10 AM

Comment

NONE PROVIDED

Document Attachments

NONE PROVIDED

Comment

NONE PROVIDED

Delegation of Authority for Submission of Application

delegation-of-authority-401-application_RSE.pdf - 08/06/2025 09:10 AM

Comment

NONE PROVIDED

As per 18 AAC 15.030 signing of applications, all permit or approval applications must be signed as follows:
1) in the case of corporations, by a principal executive officer of at least the level of vice president or his duly authorized representative, if the representative is responsible for the overall management of the project or operation;
2) in the case of a partnership, by a general partner;
3) in the case of a sole proprietorship, by the proprietor; and
4) in the case of a municipal, state, federal or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.

Agreements and Signature(s)

As per 18 AAC 15.030 signing of applications, all permit or approval applications must be signed as follows:
1) in the case of corporations, by a principal executive officer of at least the level of vice president or his duly authorized representative, if the representative is responsible for the overall management of the project or operation;
2) in the case of a partnership, by a general partner;
3) in the case of a sole proprietorship, by the proprietor; and
4) in the case of a municipal, state, federal or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
The project proponent hereby certifies that all information contained herein is true, accurate, and complete to the best of my knowledge and belief. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.

Signed By Jennifer Lombardo on 08/06/2025 at 9:47 AM