CWA 401 Water Quality Certification Request

version 2.13

(Submission #: HQ7-33Z1-S31BR, version 3)

Details

Site: Screeding at UMC Dock

Submission ID HQ7-33Z1-S31BR

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

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Baila	Kunesova

Title
Environmental Scientist

Organization Name
PND Engineers, Inc.

Phone Type	Number	Extension
Business	907-646-2762	

Email
bkunesova@pndengineers.com

Mailing Address

1506 W. 36th Avenue

Anchorage, AK 99503

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
Onsite Contact

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Scott	Brown

Title
Department of Public Works

Organization Name
City of Unalaska

Phone Type	Number	Extension
Business	9075611011	

Email
sbrown@ci.unalaska.ak.us

Mailing Address

PO Box 610

Unalaska, AK 99685

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#######)
POA-1998-00324

Project Name or Title
Screeding at UMC Dock

Primary Receiving Waterbody Name
Dutch Harbor

Estimated Project Dates (+/- 30 days)

Project Estimated Start Date	Project Estimated End/Completion Date
07/01/2025	09/30/2025

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

Description	Discharge Estimated Start Date	Discharge Estimated End Date
NONE PROVIDED	*NONE PROVIDED*	*NONE PROVIDED*

Project Description (Nature of Activity, include all features)
This intent of this project is to perform maintenance screeding at the UMC Dock in Dutch Harbor. The target screeding elevation for the UMC dock is -45.0', with a maximum overscreed dept of -47.0'. Armor stone is located at the southwest end of the dock for slope protection. The armor stone may be removed and replaced as required to ensure adequate slope protection. New imported material will not exceed a total project quantity of 490 cubic yards (CY). Existing armor stone will be salvaged for reuse, if possible. The UMC dock should maintain full capability during screed operations.

Project Purpose (Describe the reason(s) for discharge)
The UMC Dock provides Unalaska and surrounding communities with essential cargo, passenger, and port services. The dock features a 30-ton crane and 40-ton crane for containerized cargo, as well as fueling facilities on site. Current depth at mean lower low water (MLLW) measures 40 feet alongside the berthing area. This depth limits what vessels can safely moor at the UMC Dock. Screeding small quantities from the berthing area will expand dock capabilities by allowing deeper draft vessels to access the dock.

Is any portion of the work already complete?
No

Description of current activity site conditions
Currently, the dock face is at an elevation of -40' MLLW due to sediment build up.

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 STREET ADDRESS SPECIFIED]
[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
53.9030,-166.5270

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	Aleutians West Census Area	Seward	35	72S	117W

Directions to Site
To reach the project site from Tom Madsen (Dutch Harbor) Unalaska Airport, follow Airport Drive east then turn left onto Airport Beach Road. Drive for approximately a quarter mile and turn left onto Ballyhoo Road. Continue on Ballyhoo Road for 0.76 miles. The UMC dock will be the first dock on the righthand side of Ballyhoo Road, waterward of the Latitude 54 building.

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 Nicholas **Last Name** Baggett

Title
Project Manager

Organization Name
U.S. Army Corps of Engineers, Alaska District

Phone Type	Number	Extension
Business	9072273124	

Email
nicholas.s.baggett@usace.army.mil

Dredge Material to be Discharged

Is dredging involved?
Yes

How many acres?
2.00

How much volume? (Cubic Yards)
12,900.00

Is the dredging considered a new project, or maintenance?
New Project

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

Has a Tier analysis been conducted of the dredged prism?
No

Note, if marked NO; A Tier analysis may be required later upon review of the request.

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
Screeded material

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

Type	Cubic Yards
Screeded material	15,500

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

Surface Area	Units
2.32	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

Location Description
Dutch Harbor

Placement of Dredged/Fill material discharge
In Water

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
Dutch Harbor

Discharge Location
53.9010537,-166.5221427

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?
No

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)
Sediment

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
The material at the dock face will be screeded further out in Dutch Harbor. The screeding will be done from the dock, so there is no in-water excavation or transportation of materials.

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?
Yes

What parameters are causing the Category 4 or 5 impairment?
4A - Petroleum Hydrocarbons

Are any of the above parameters causing the impairment present in the proposed discharge?
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
Discharge will not be lifted above surface. Screeding from dock face only. No in-water equipment placement.

Avoidance Measures
The waterbody cannot be completed avoided because screeding is dependent on marine access. However, screeding will be completed from the dock and will not require an in-water excavator.

Minimization Measures
Screeding will be kept to the minimum quantity necessary to meet project purposes. The contractor will comply with local, state, and federal water quality standards. The dock will be maintained in a manner that does not introduce any pollutants or debris into the harbor.

Mitigation Measures
- Fuels, lubricants, and other hazardous substances will not be stored below the high tide line.
- Oil booms will be reading available should any inadvertent releases occur.
- The contractor will check for leaks regularly on any equipment, hoses, and fuel storage used at the project site.
- All chemical and petroleum products will be properly stored and secured to prevent spills.
- No petroleum products, cement, chemicals, or other deleterious materials will be allowed to enter surface waters.
- Waste and debris will be secured in bin with lid to prevent inadvertent release into the harbor.

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
Infrastructure improvements

Economic Importance Analysis
Commercial activities
Access to a transportation network

Describe Social and/or Economic Importance of the project
The Unalaska Marine Center (UMC) Dock provides essential cargo, passenger, and port services. Unalaska is a remote community without access to the road system and is heavily dependent on marine access.

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 Nicholas
Last Name Baggett
Title
Project Manager
Organization Name
U.S. Army Corps of Engineers, Alaska District

Phone Type	Number	Extension
Business	9072273124	

Email
nicholas.s.baggett@usace.army.mil

Attachments

Copy of Federal Application (USACE, EPA, or FERC, etc.)
SIGNED_UMCdockscreeding_USACEapplication.pdf - 10/02/2024 03:02 PM
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.
UMC Screeding - Permit Drawings.pdf - 10/02/2024 03:03 PM
Comment
NONE PROVIDED

Document Attachments
NONE PROVIDED
Comment
NONE PROVIDED

Delegation of Authority for Submission of Application

SIGNED_UMC_delegation-of-authority-401-application.pdf - 10/02/2024 03:04 PM

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.

Revisions

Revision	Revision Date	Revision By
Revision 1	10/2/2024 12:21 PM	bkunesova@pndengineers.com bkunesova@pndengineers.com
Revision 2	10/2/2024 2:49 PM	bkunesova@pndengineers.com bkunesova@pndengineers.com
Revision 3	10/9/2024 8:41 AM	bkunesova@pndengineers.com bkunesova@pndengineers.com