

CWA 401 Water Quality Certification Request

version 2.17

(Submission #: HQS-3ZEC-AT07H, version 1)

Digitally signed by:
dec.alaska.gov
Date: 2026.10.07 09:14:12 -08:00
Reason: Submission Data
Location: State of Alaska

Details

Site: Petro Marine Fuel Terminals Improvements Project

Submission ID HQS-3ZEC-AT07H

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

Billing Contact

Application Preparer

Contact

Prefix

NONE PROVIDED

First Name Last Name
Robin Reich

Title

President

Organization Name

Solstice Alaska Consulting, Inc.

Phone Type Number Extension
Business 907 929 5960

Email

solsticeak@solsticeak.com

Mailing Address

2607 Fairbanks Street
B
Anchorage, AK 99503
United States

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

Contact

Prefix

NONE PROVIDED

First Name Last Name
Matthew Lindsey

Title

Vice President of Operations

Organization Name

Petro Marine Services

Phone Type Number Extension
Business 907 562 5000

Email

mattl@petro49.com

Mailing Address

1813 East 1st Avenue
Anchorage, AK 99501
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#####)

POA-2026-00202

Project Name or Title

Petro Marine Fuel Terminals Improvements Project

Primary Receiving Waterbody Name

Tongass Narrows

Estimated Project Dates (+/- 30 days)

Project Estimated Start Date	Project Estimated End/Completion Date
08/01/2027	01/01/2028

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)

Petro Marine Services (Petro Marine) is proposing to upgrade their waterfront fuel terminal (Terminal 1) in Ketchikan, Alaska. Petro Marine supplies heating, aviation, diesel, and gasoline fuels and sells products including lubricants and fuel additives. The proposed project would replace an existing fuel float and fuel float approach dock with a breasting dolphin at Terminal 1. Terminal 1 would also undergo upgrades to its fueling station, fender system and mooring system.

Under the proposed action a fuel float, approach dock, and associated piles would be removed and replaced by a breasting dolphin and catwalks. The face of the existing main dock would be extended, and fender piles would be installed.

Removal of Existing Piles

At Terminal 1, seventy (70) 10- to 16-in diameter timber fender piles at the main dock, forty (40) 10- to 16-in diameter timber piles at the fuel float approach dock, and eight (8) 20-in diameter steel mooring piles at the fuel float would be removed. All piles would be removed with a vibratory hammer.

Removal of Existing Float

The existing fuel float, fuel float approach dock, and gangway would be removed, and the fuel float transported by barge to Wrangell for reuse at Petro Marine's facility in the Wrangell harbor. (This activity is being permitted separately.) The fuel float approach dock and gangway would be disposed of locally per regulation or barged to Seattle for disposal.

Installation and Removal of Temporary Piles

Twenty-four (24) 24-in diameter steel pipe piles would be installed to help guide the permanent piles at Terminal 1 into place. All temporary piles would be installed using vibratory and impact hammers and removed using a vibratory hammer.

Installation of Permanent Piles

To support the new configuration at Terminal 1, thirty (30) 16-in diameter steel pipe piles (to support the dock, crane, and fenders), fourteen (14) 24-in diameter steel pipe piles (for a breasting and a mooring dolphin), and ten (10) 30-in diameter steel pipe piles (for a breasting dolphin) would be installed. The eighteen (18) 16-in diameter fender piles would be vibrated and then impacted to ensure adequate resistance and soil penetration. The remaining 16-in, 24-in, and 30-in diameter permanent piles would be vibrated, impacted, and then anchored into bedrock using a DTH drill and grouted pile anchors. It is estimated that DTH drilling would produce approximately 81 cubic yards of drill spoils.

In total, all pile installation and removal activities at Terminal 1 are expected to take approximately 103 hours over approximately 120 (not necessarily consecutive) days.

Out-of-Water Activities

Three new access catwalks would be installed to connect the south breasting dolphin to the existing main dock and to the main office and warehouse. Additionally, the main dock would be extended about 10 feet, and a new ship fueling station would be added to the dock.

Project Purpose (Describe the reason(s) for discharge)

The purpose of the project is to upgrade the existing terminal to better serve fuel delivery vessels and customers. Infrastructure has aged past its useful life, and the vessel berthing arrangement requires reconfiguration to safely accommodate all vessels in the busy waterfront area.

Is any portion of the work already complete?

No

Description of current activity site conditions

The proposed project would occur at an existing fuel terminal in Tongass Narrows, a navigable water under Federal jurisdiction. There are no mapped coastal or freshwater wetlands at the project site. The project area is a highly developed channel with high levels of vessel traffic.

According to the ShoreZone mapper, the shoreline at the project site has the following characteristics (National Marine Fisheries Services [NMFS] 2026):

- ◆ Habitat Class: protected/anthropogenic impermeable
- ◆ Coastal Class: ramp with gravel/sand beach; cliff with gravel/sand beach
- ◆ Biological Wave Exposure: protected
- ◆ Environmental Sensitivity Index: mixed sand and gravel beaches

NMFS. 2026. Alaska ShoreZone Mapper. Accessed at https://alaskafisheries.noaa.gov/mapping/sz_js/ on March 5, 2026.

Relevant Site Data, Photographs that Represent Current Site Conditions, or other Relevant Documentation

[9A9357FB-10A7-48DD-B615-D0ACD2719FC6.jpg - 10/06/2026 02:46 PM](#)

[9605F785-BE52-4EFE-8F46-EA54FBE563B0.jpg - 10/06/2026 02:46 PM](#)

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

55.32910900416246,-131.61951233933738

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	Ketchikan Gateway Borough	Copper River	30	75S	91E

Directions to Site

From the Ketchikan Airport, take the ferry to N Tongass Highway. Drive south on N Tongass Highway which eventually turns into Stedman Street. Continue south to 1100 Stedman Street.

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	
Olivia	Ortiz	
Title		
Regulatory Specialist		
Organization Name		
USACE		
Phone Type	Number	Extension
Business	907-753-2586	
Email		
Olivia.K.Ortiz@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 accepted 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
Drill spoils from DTH drilling activities

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

Type	Cubic Yards
Drill spoils	81

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

Surface Area	Units
0	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

Tongass Narrows

Discharge Location

55.333889,-131.628611

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
27855	USCG Ketchikan Transformers	PCB contamination	55.332445	- 131.625685	Soil	michael.hooper@alaska.gov
1184	USCG Ketchikan Base	Diesel range organics, gasoline range organics, PCBs, metals	55.332447	131.624725	Soil	michael.hooper@alaska.gov
27732	NOAA Ketchikan Port Facility	arsenic, naphthalene, and diesel range organics , lead	55.335301	- 131.629289	Both	sarah.durand@alaska.gov

Hazard ID#	Contaminated Site Name	Contaminant Type	Latitude	Longitude	In soil or groundwater?	CS Staff Contact
28011	Petro 49 Ketchikan Tank Farm	Diesel range organics, sheens	55.335969	-131.629031	Unknown	sarah.durand@alaska.gov

Describe the identified contaminated site(s) or groundwater plume within 1,500 feet

Active contaminated sites within 1,500 feet of the proposed project include those listed above.

Site 27855, approximately 500 feet from the project, includes PCB and diesel range organics-contaminated soils discovered in 2022. The extent of contamination is unknown.

Site 1184, approximately 500 feet from the project, includes diesel range organics, gasoline range organics, PCBs, metals resulting from overfilling and leakage from fuel storage tanks, discovered in soils in the early 1990s. Contaminated sediments were found in the marine environment. Diesel range organics contamination was found in 2022. Sampling has been conducted and long-term maintenance plans are in place. A CERCLA preliminary assessment has been approved for this site.

Site 27732, approximately 500 feet from the project, contains arsenic, naphthalene, lead, and diesel range organics found in test pits. In 2024 contaminated soils were removed from the site.

Site 28011, approximately 800 feet from the project, includes a sheen that was discovered in 2022 and various other sheens and odors near the site. Diesel range organics significantly above cleanup levels were found during sampling in 2023.

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 contaminated site data, impaired waters or other relevant water quality data, or other parameters of concern identified during the application process.

Parameter(s)

Turbidity
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

N/A

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](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

To meet the project purpose and need, construction must occur within waters of the United States. The project would be located within the marine environment in Tongass Narrows. No coastal or freshwater wetlands would be impacted by the project. The project uses the most compact design practicable (with the least number of piles and smallest size of piles) to minimize impacts to waters of the United States.

No fill would be placed; however, a minimal amount of discharge would be released during DTH drilling and anchoring of some piles.

Plans for avoiding, minimizing, and responding to releases of sediments, contaminants, fuels, oil, and other pollutants will be developed and implemented.

Avoidance Measures

◆ Complete avoidance of waters of the United States is not possible in order to meet the project purpose and need. The project would be located within Tongass Narrows along a previously disturbed shoreline.

Minimization Measures

- ◆ The project uses a design that incorporates the smallest-diameter piles practicable while still minimizing the overall number of piles.
- ◆ Piles will be removed slowly to allow sediment to slough off near the mudline.
- ◆ Wood that has been surface or pressure-treated with creosote or treated with pentachlorophenol will not be used. If treated wood must be used, any wood that comes in contact with water will be treated with waterborne preservatives in accordance with Best Management Practices developed by the Western Wood Preservers Institute.

Mitigation Measures

- ◆ Spill response equipment will be kept on-site during construction and operation.

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

NONE PROVIDED

Economic Importance Analysis

Commercial activities

Describe Social and/or Economic Importance of the project

Petro Marine supplies heating, aviation, diesel, and gasoline fuels and sells products including lubricants and fuel additives to the community of Ketchikan. As the only fuel supplier in Ketchikan, they provide a crucial service to commercial and residential consumers.

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
U.S. Army Corps of Engineers	Section 10/404 Individual Permit	POA-2026-00202	04/30/2026	NONE PROVIDED	NONE PROVIDED
National Marine Fisheries Service	Incidental Harassment Authorization	N/A	06/29/2026	NONE PROVIDED	NONE PROVIDED
National Marine Fisheries Service	Biological Opinion	NONE PROVIDED	07/15/2026	NONE PROVIDED	NONE PROVIDED
Ketchikan Gateway Borough	Floodplains Development Permit	11827	09/11/2026	09/18/2026	NONE PROVIDED
National Marine Fisheries Service	Essential Fish Habitat Assessment	AKRO-2026-01690	08/07/2026	09/10/2026	NONE PROVIDED

Other Agency or Local Contacts (1 of 1)

Contact Role
OTHER_REG_CNTCT

Other Agency and or Local Contacts

First Name

Matthew

Last Name

Lindsey

Title

Vice President of Operations

Organization Name

Petro Marine Services

Phone Type

Business

Number

907 562 5000

Extension

Email

mattl@petro49.com

Attachments

Copy of Federal Application (USACE, EPA, or FERC, etc.)

PetroMarineKtn_USACEApplication_Signed04272026.pdf - 10/06/2026 02:46 PM

Comment

The application contains two terminals (Terminal 1 and Terminal 2); however, USACE is evaluating Terminal 2 under a nationwide permit, and Terminal 1 under an individual permit. Therefore, this CWA certification request applies to Terminal 1 only.

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.

KTN PMS Term1.pdf - 10/06/2026 02:46 PM

Comment

NONE PROVIDED

Document Attachments

NONE PROVIDED

Comment

NONE PROVIDED

Delegation of Authority for Submission of Application

delegation-of-authority-401-application-signed.pdf - 10/06/2026 02:46 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.

Agreements and Signature(s)

Certification Statement

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 Robin Reich on 10/07/2026 at 9:11 AM
Bn6dz7LOHrGOc5zr9+VWTthqfkWCo87r7ctZFff3zGKSx8assgEinmy+CRlhWXLgJxkRrl8iFdkdkEYa/9HJAg==