CWA 401 Water Quality Certification Request

version 2.16

(Submission #: HQK-Z20C-9E3Q0, version 1)

Details

Site: Ruby Marine Dredging Application

Submission ID HQK-Z20C-9E3Q0

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 1)

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
Application Preparer
Owner
Operator
Onsite Contact

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Matt	Sweetsir

Title
President

Organization Name
Ruby Marine Incorporated

Phone Type	Number	Extension
Business	9074602491	

Email
matts@rubymarineinc.com

Mailing Address

PO Box 269

Nenana, AK 99760

[NO COUNTRY SPECIFIED]

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-2025-00409

Project Name or Title
Ruby Marine Dredging Application

Primary Receiving Waterbody Name
NONE PROVIDED

Estimated Project Dates (+/- 30 days)

Project Estimated Start Date	Project Estimated End/Completion Date
05/10/2026	05/15/2026

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

Description	Discharge Estimated Start Date	Discharge Estimated End Date
NONE PROVIDED	05/10/2026	05/15/2026

Project Description (Nature of Activity, include all features)
Ruby Marine is a tug and barge company that delivers freight and fuel to Yukon river villages. Our port is outside of Nenana, AK and the Tanana river is suffering from the same early melt off that is affecting the interior in various ways. As the snow melt occurs earlier in the spring, and before the ice is ready to break up, when the ice has moved out there is no spring flood water to follow the ice. The water level in the Tanana river becomes exceptionally low immediately after breakup and doesn't rise until mid June, when the glaciers start their seasonal melt. Consequently the first river crossing immediately below our dock is too shallow for us to get a loaded tow across it into the main channel of the Tanana river, and we are forced to light load the first several trips of the season; it is difficult to catch up in the short time frame we have to navigate. Dredging will allow us to take full loads from the beginning of the season and not start behind.

Project Purpose (Describe the reason(s) for discharge)
Tug and barge business based out of Nenana Alaska.

Is any portion of the work already complete?
No

Description of current activity site conditions
Attached

Relevant Site Data, Photographs that Represent Current Site Conditions, or other Relevant Documentation
Ruby Corps App.pdf - 03/10/2026 05:47 PM
Ruby Corps POA-2025-00509.pdf - 03/10/2026 05:49 PM
Ruby Marine - Dredge Workprints (Corps).pdf - 03/10/2026 05:49 PM
Comment
NONE PROVIDED

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

Project Address
200 yards below Mile 306.5 Parks Highway, in the middle of the Tanana river
Nenana, AK 99760

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

Project Location
64.57872673588543,-149.12413349151674

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
ADL 421086	Denali Borough	Fairbanks	10	4S	8W

Directions to Site
Drive to Mile 306.5 Parks Highway, look 200 yards below the dock in the middle of the river.

THE ABOVE BOROUGH DESIGNATION IS NOT CORRECT. WE ARE OUTSIDE OF ANY BOROUGH. YOU SHOULD REALIZE MUCH OF ALASKA IS OUTSIDE OF ORGANIZED BOROUGHS. THE SITE WON'T LET YOU PROCEED UNLESS YOU CHOOSE ONE.

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 Gwendolyn
Last Name Jacobson

Title
NONE PROVIDED

Organization Name
US Army Corps of Engineers

Phone Type	Number	Extension
Business	9073475802	

Email
gwendolyn.a.jacobson@usace.army.mil

Dredge Material to be Discharged

Is dredging involved?
Yes

How many acres?
1.0

How much volume? (Cubic Yards)
14,000.00

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
sandbar

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

Type	Cubic Yards
sand/gravel/water mix	416,641.0

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

Surface Area	Units
1	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
sand, gravel, water slurry

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
Tanana River

Discharge Location
64.58908284340608,-149.12718048095735

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)
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
Unknown

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
Dredging discharge will be directed onto the same sandbar that material comes off of, but slightly downriver. Our intent is to not disturb the natural flow of the river.

Avoidance Measures
Minimize the volume of dredged material; a small channel is dredged and not a large volume. We simply need enough of a channel to hold us until the June runoff raises the water levels.

Minimization Measures
moving smallest amount of material required, not necessarily the full permitted amounts

Mitigation Measures
Not trying to alter the river flow, simply ensure we can cross from one side of the river to the other in the vicinity of our dock.

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
NONE PROVIDED

Describe Social and/or Economic Importance of the project
We are downriver of the community of Nenana, with no economic or social activity adjacent to or downstream of the proposed dredge site. Not sure exactly what is required here.

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
ADF&G	Fish Habitat	FH25-111-0281	*NONE PROVIDED*	12/18/2025	*NONE PROVIDED*

Other Agency or Local Contacts (1 of 1)

Contact Role
OTHER_REG_CNTCT

Other Agency and or Local Contacts

First Name Chelsea **Last Name** Clawson

Title
Habitat Bioligist

Organization Name
ADF&G

Phone Type	Number	Extension
Business	9074597287	

Email
chelsea.clawson@alaska.gov

Attachments

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

Ruby Corps App.pdf - 03/10/2026 05:47 PM
Ruby Corps POA-2025-00509.pdf - 03/10/2026 05:52 PM
Ruby Marine - Dredge Workprints (Corps).pdf - 03/10/2026 05:53 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.

Ruby Marine - Dredge Workprints (Corps).pdf - 03/10/2026 05:56 PM
Ruby Corps POA-2025-00509.pdf - 03/10/2026 05:57 PM

Comment

NONE PROVIDED

Document Attachments

NONE PROVIDED

Comment

NONE PROVIDED

Delegation of Authority for Submission of Application

NONE PROVIDED

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)

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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;
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Signed By matts@rubymarineinc.com matts@rubymarineinc.com on 03/10/2026 at 5:57 PM