CWA 401 Water Quality Certification Request

version 2.15

(Submission #: HQ9-D7PJ-MC2GB, version 1)

Details

Site: Wrangell Monofill Site

Submission ID HQ9-D7PJ-MC2GB

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)
Application Preparer
Agent
Consultant

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Tyler	Riberio

Title
Owner

Organization Name
Tydi Creek Environmental

Phone Type	Number	Extension
Business	9079574438	

Email
tydicreekenvironmental@gmail.com

Mailing Address

PO Box 2105

Wrangell, AK 99929

[NO COUNTRY SPECIFIED]

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
Owner

Contact

Prefix
NONE PROVIDED

First Name	Last Name
Mason	Villarma

Title
Borough Manager

Organization Name
City & Borough of Wrangell

Phone Type	Number	Extension
Business	3609811010	

Email
mfvillarma@wrangell.com

Mailing Address

PO Box 531

Wrangell, AK 99929

[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-2025-00095

Project Name or Title
Wrangell Monofill Site

Primary Receiving Waterbody Name
Eastern Passage and an Unnamed Creek

Estimated Project Dates (+/- 30 days)

Project Estimated Start Date	Project Estimated End/Completion Date
04/01/2025	12/31/2055

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

Description	Discharge Estimated Start Date	Discharge Estimated End Date
Disposal of unclassified waste excavation	07/01/2025	12/31/2055

Project Description (Nature of Activity, include all features)
The proposed project would construct a site to dispose of unclassified waste excavation from public and private construction projects in Wrangell, Alaska. The project would entail the mechanical clearing of approximately 8.9 acres of wetlands, constructing an access road to the site, and discharging unclassified fill material into those lands. This site is planned to be in operation for approximately 30 years.

Project Purpose (Describe the reason(s) for discharge)
The existing monofill site operated by the City & Borough of Wrangell is reaching maximum capacity. As such, the community is in need of a place to dispose of waste excavation from construction projects.

Is any portion of the work already complete?
No

Description of current activity site conditions
The proposed site is in relatively undisturbed condition.

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
Ishiyama Drive
Wrangell, AK 99929

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

Project Location
56.4725,-132.3471

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	City & Borough of Wrangell	Copper River	29	062S	084E

Directions to Site
The site is located approximately one mile from the intersection of Ishiyama Drive and Airport Road in Wrangell, Alaska.

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**
Estrella Campellone

Title
Project Manager

Organization Name
USACE

Phone Type **Number** **Extension**
Business 9077532518

Email
Estrella.F.Campellone@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
Various construction projects

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

Type	Cubic Yards
Unclassified waste excavation	750,000

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

Surface Area	Units
8.9	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
Unnamed Wetlands, Eastern Passage

Discharge Location
56.4725,-132.3470

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
Concentrations and persistence for parameters of concern are unknown. The application of vegetated buffer areas will minimize the discharge of sediment and turbidity to receiving waters.

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
Discharge will be channelized adjacent to any access roads constructed at the site.

Avoidance Measures
A wetland investigation conducted at the project site found evidence that the entirety of the site is likely within wetlands or other WOTUS. Because of the prevalence of wetlands throughout Southeast Alaska, it is not practicable to select an upland site of suitable size that would accommodate the proposed project. Although the project site is assumed to be entirely within WOTUS, measures have been incorporated into the project to avoid certain impacts to WOTUS within and surrounding the project site.
The applicant has selected the project site to be contiguous with an identical use of land adjacent to the proposed project. Developed facilities for the adjacent, existing monofill site – namely, road access and utilities – are present which will allow the applicant to avoid impacts associated with road construction and utility installation that may be required at other prospective sites. Although some road construction and utility installation may be required for the proposed project, it is assumed that selection of a different site would result in increased impacts from developing these facilities. In addition, selecting a site with an identical adjacent land use avoids land use impacts that would be sustained at other sites.
The original site boundaries identified by the applicant included approximately nine acres of wetland disturbance. The applicant has minimized this impact by designing the project to follow the natural contours of the land, thereby avoiding impacts to approximately 3.25 acres of wetlands.
The proposed project incorporates a physical buffer around the sole stream located within the project site. As such, impacts to these waters through direct construction and associated water quality impairment are avoided. Similar buffers are provided at project boundaries to reduce sediment laden runoff. As such, impacts to those waters are also avoided.

Minimization Measures
Due to the nature of the proposed use, minimization of impacts to WOTUS is challenging. As is stated above, the applicant has incorporated buffers at the boundaries of the project site to minimize impacts associated with sediment laden runoff from waste excavation deposited at the project site. The project is also designed to follow the natural contours of the land, which will minimize the disturbance that the project has to the existing hydrologic regime. In addition, the maintenance of 3:1 side slopes of finished surfaces will also minimize discharges of sediment.
The proposed project will be phased, as practicable, to construct the site using only one side of the stream at a time. This measure will minimize impacts to WOTUS by limiting the area of exposed soil during construction and operation of the site.
Culverts will be constructed along the proposed access roads to convey discrete drainages in addition to conveying stormwater. This measure will serve to maintain the hydrologic regime within the project area during construction and site operation.
The applicant is open to incorporating practicable minimization measures into the project that are identified during the permitting process.

Mitigation Measures
Mitigation measures incorporated by the applicant into the project center around restoration of the permit area after operations have ceased. After the site is closed, the applicant will:
– Ensure that the permit area is graded to promote and maintain surface water runoff without causing ponding or erosion.
– Install one foot of final cover over all filled area and at least six inches of topsoil to promote adequate water retention for successful re-vegetation.
– Within the first growing season following site closure, re-vegetate the permit area using plant species recommended by the Alaska Plant Materials Center.
This on-site mitigation will eliminate the potential for impacts to WOTUS after the site is closed.
As is stated above, the applicant has sited the proposed project in a watershed that is previously disturbed and contains similar land uses. The surrounding area has been disturbed by residential, commercial, and institutional development as well as recreational development, timber harvest, road development, and material extraction. The project site is located within a watershed containing approximately 1050 acres of land. Approximately 160 acres – or approximately 15% – of the watershed has been previously disturbed by the aforementioned uses. The proposed project would disturb only 0.5% - of land within the watershed; this disturbance amounts to approximately 3.5 percent of the existing disturbance within the watershed.
Given the relatively small level of impact that the project will have on WOTUS within an already-disturbed watershed, the applicant is not proposing to conduct compensatory mitigation for the proposed project.

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
Community services provided
Infrastructure improvements

Economic Importance Analysis
Employment, job availability, and salary impacts
Commercial activities

Describe Social and/or Economic Importance of the project
The proposed project will provide an economical and accessible point for the disposal of construction excavation. This is critical for the financial feasibility of public and private construction in the community. Increasing the feasibility of construction projects increases the number of construction jobs available.

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
USACE	Individual Permit	POA-XXXX-XXXX	01/01/2025	*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 **Last Name**
n/a n/a
Title
n/a
Organization Name
n/a
Phone Type **Number** **Extension**
Business 9071111111
Email
na@gmail.com

Attachments

Copy of Federal Application (USACE, EPA, or FERC, etc.)
WRG Monofill USACE Permit Application Signed 2.21.25.pdf - 03/07/2025 12:00 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.
USACE Permit Diagrams.pdf - 03/07/2025 12:00 PM
Comment
NONE PROVIDED

Document Attachments
WRG Monofill Mitigation Plan (1).pdf - 03/07/2025 12:01 PM
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)

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 Mason Villarma on 03/07/2025 at 4:56 PM