# CWA 401 Water Quality Certification Request

version 2.13

**(Submission #: HQ7-CHB9-4DVN8, version 1)**

## Details

**Site:** S&#65533;et Kanax_ Dut&#65533;en Subdivision

**Submission ID** HQ7-CHB9-4DVN8

## 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

**Contact**

**Prefix**
*NONE PROVIDED*

| First Name | Last Name |
|---|---|
| Farren | Linne |

**Title**
E.I.T

**Organization Name**
R&M Engineering-Ketchikan

| Phone Type | Number | Extension |
|---|---|---|
| Business | 907-225-7917 | |

**Email**
FARREN@RMKETCHIKAN.COM

**Mailing Address**

7180 Revilla Road, Suite 300

Ketchikan, AK 99901

## 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

**Contact**

**Prefix**
*NONE PROVIDED*

| First Name | Last Name |
|---|---|
| Diana | Parks |

**Title**
Environmental Review Administrator

**Organization Name**
Tlingit Haida Regional Housing Authority

| Phone Type | Number | Extension |
|---|---|---|
| Mobile | 9079574911 | |

**Email**
dparks@thrha.org

**Mailing Address**

5446 Jenkins Drive

Juneau, AK 99801

## 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-2023-00089

**Project Name or Title**
S[illegible]et Kanax_ Dut[illegible]en Subdivision

**Primary Receiving Waterbody Name**
*NONE PROVIDED*

**Estimated Project Dates (+/- 30 days)**

| Project Estimated Start Date | Project Estimated End/Completion Date |
|---|---|
| 11/01/2024 | 12/31/2033 |

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

| Description | Discharge Estimated Start Date | Discharge Estimated End Date |
|---|---|---|

**Project Description (Nature of Activity, include all features)**
THRHA is proposing construction of a housing subdivision project within the City and Borough of Juneau on Douglas Island. The development of the property for residential housing will include 40 lots total. All lots will require the addition of water, sewer, and electrical service lines to be placed with access to existing utility tie-ins along North Douglas Highway.

**Project Purpose (Describe the reason(s) for discharge)**
The City and Borough of Juneau (CBJ) has a well-documented housing problem due to shortage of supply, limited housing choices, limited buildable land, and high burdens in material and housing costs. The result of the S[illegible]et Kanax_ Dut[illegible]en Subdivision and its development will be an increase in the available stock of affordable, modern, energy efficient housing in Douglas. Developable land in the Douglas area is considered scarce due to topographical constraints as well as limited availability of private land. These housing units will provide affordable housing to qualified lower-income homebuyers (earning less than 80% of Median Family Income) who are residents of Douglas and the Juneau
area.

**Is any portion of the work already complete?**
No

**Description of current activity site conditions**
There is currently an existing logging road punched through a section of the lot (See sheet 2 from the corp permit drawings for existing conditions).

**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**
NHN, North Douglas Highway
Juneau, AK 99801

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

**Project Location**
58.302530,-134.45049

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 |
|---|---|---|---|---|---|
| 6D0601090020 | City and Borough of Juneau | Copper River | 22 | 41S | 67E |

**Directions to Site**
Starting from Juneau International Airport: Drive an estimated 8.82 miles.
Turn Right on Yandukin Drive, Turn right on Glacier Highway, Merge Right on Egan Drive, Turn Right on to the Juneau-Douglas Bridge, at turnabout Turn Right on to North Douglas Highway, continue to drive an estimated 3,841 ft on North Douglas highway, then Turn Left at driveway and drive estimated 200ft to edge of project property.

Starting from Alaska Marine Highway System Juneau port of entry: Drive an estimated 13.66 miles. Turn Right on Glacier Highway, continue straight on Egan Drive and Turn Right on to the Juneau-Douglas Bridge, at turnabout Turn Right on to North Douglas Highway, Continue to drive an estimated 3,841 ft on North Douglas highway, then Turn Left at driveway and drive estimated 200ft to edge of project property.

## 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 |
|---|---|
| Delana | Wilks |

**Title**
Southeast Section

**Organization Name**
USACE

| Phone Type | Number | Extension |
|---|---|---|
| Business | 907 201 5021 | |

**Email**
delana.p.wilks@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**
Stablers Point

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

| Type | Cubic Yards |
|---|---|
| Shot Rock | 48,500 |
| D1 | 12,200 |

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

| Surface Area | Units |
|---|---|
| 4.12 | 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**
Grant Creek

**Discharge Location**
58.304444,-134.451667

## 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
Turbidity

**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**
There was and erosion and sediment control pan (ESCP) put together in order to depict the overall site drainage characteristics and limit impacts to the runoff and the nearby waterbodies.

**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**
The erosion and sediment control plan (ESCP) provided is only intended to depict the overall site drainage characteristics. The contractor shall utilize the ESCP to develop the SWPPP in accordance with the requirements of the Alaska Department of Environmental conservation ADEC and the Alaska construction general permit (ACGP).

Stormwater runoff for this project can be divided into two categories:
• The existing drainage that outfalls to Little Grant Creek is an estimated 450 ft away from project property line at Lot 20 and Lot 21 (see sheet 1)
• The remainder of stormwater within the project limits will be directed to the outfall and existing culverts along North Douglas Highway.

**Avoidance Measures**
The overall clearing limits are estimated at 17.62 acres. All clearing shall be performed outside of the April 15 - July 15 nesting window for forest / woodland birds, and the March 1 - August 31 window for eagles, in accordance with the U.S. Fish and Wildlife Service recommendations. Note: There are no known eagles• nest within 660 feet of the project limits.

**Minimization Measures**
The clearing limits at each site were chosen to be of the smallest dimensions possible that will fit the anticipated housing pad.

**Mitigation Measures**
Clearing and grubbing will limited to only the necessary area and depth of existing material in order to create a stable building pad.

## 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
Community services provided

**Economic Importance Analysis**
Expanded leases and royalties
Access to recourses

**Describe Social and/or Economic Importance of the project**
The City and Borough of Juneau (CBJ) has a well-documented housing problem due to shortage of supply, limited housing choices, limited buildable land, and high burdens in material and housing costs. The result of the S•et Kanax_ Dut•en Subdivision and its development will be an increase in the available stock of affordable, modern, energy efficient housing in Douglas. Developable land in the Douglas area is considered scarce due to topographical constraints as well as limited availability of private land. These housing units will provide affordable housing to qualified lower-income homebuyers (earning less than 80% of Median Family Income) who are residents of Douglas and the Juneau
area.

**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 |
|---|---|---|---|---|---|
| AK DOT & PF | TIA | *NONE PROVIDED* | *NONE PROVIDED* | *NONE PROVIDED* | *NONE PROVIDED* |
| AK DF&G / USFWS | 2023-0079401 | *NONE PROVIDED* | *NONE PROVIDED* | *NONE PROVIDED* | *NONE PROVIDED* |
| City & Planning of Juneau Planning Commission | CBJ 49.70.310 | *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 | Last Name |
|---|---|
| John | Parks |

**Title**
Director of Construction

**Organization Name**
THRHA

| Phone Type | Number | Extension |
|---|---|---|
| Business | 9079574911 | |

**Email**
jparks@thrha.org

## Attachments

**Copy of Federal Application (USACE, EPA, or FERC, etc.)**
JNU SEET KANAX DUTEEN_Eng Form 4345 Sep 22_RV(1).pdf - 10/14/2024 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.**
20241007 THRHA Juneau Corp Permit Drawings.pdf - 10/14/2024 12:00 PM
**Comment**
*NONE PROVIDED*

**Document Attachments**
SIGNED S[illegible]et Kanax_ Dut[illegible]en_EA_Complete_FINAL.pdf - 10/14/2024 12:00 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.