CWA 401 Water Quality Certification Request

version 2.15

(Submission #: HQH-BJ2E-GRGY7, version 1)

Details

Site: CCP Flare Pit Gravel Replacement

Submission ID HQH-BJ2E-GRGY7

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

Contact

Prefix
NONE PROVIDED

First Name	Last Name
kirsten.hoppe@hilcorp.com	kirsten.hoppe@hilcorp.com

Title
Environmental Specialist

Organization Name
Hilcorp Alaska, LLC

Phone Type	Number	Extension
Business	9077778416	

Email
kirsten.hoppe@hilcorp.com

Mailing Address

3800 Centerpoint Dr Suite 1400

Anchorage, Alaska 99503

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-2020-00091

Project Name or Title
CCP Flare Pit Gravel Replacement

Primary Receiving Waterbody Name
Prudhoe Bay

Estimated Project Dates (+/- 30 days)

Project Estimated Start Date	Project Estimated End/Completion Date
01/31/2026	05/30/2026

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

Description	Discharge Estimated Start Date	Discharge Estimated End Date
permitted gravel	01/31/2026	05/30/2026

Project Description (Nature of Activity, include all features)
Hilcorp is proposing to place gravel within the gas flare pit under the flare pipelines at the Central Compressor Pad (CCP) in the Prudhoe Bay Unit.

Project Scope:
-Install 33,000 cubic yards of gravel around and under the CCP flare pipelines, covering 3.1 acres. Gravel depths will range between 5-7 feet.
-Loaders, Bobcats and dump trucks will be used to place the gravel.

Project Purpose (Describe the reason(s) for discharge)
The purpose of the project is to level the ground under the flare pipelines to remedy subsidence issues and to create access to the flare lines for future maintenance.

Is any portion of the work already complete?
No

Description of current activity site conditions
The flare pit is an area surrounded by constructed berms. Lateral piping, supported by piles extend into the flare pit. Flare heads are attached to the ends of each pipe in the flare pit. The flare heads often need maintenance or repairs. Because the flare pit surface has become saturated with natural standing water, reaching the flare heads for maintenance during the summer months is difficult and unsafe. Gravel placement in the flare pit area would create a workable surface during summer months.

Relevant Site Data, Photographs that Represent Current Site Conditions, or other Relevant Documentation
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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
70.320033,-148.500147

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	North Slope Borough	Umiat	11	11	14

Directions to Site
From Deadhorse, AK: drive unit roads to CCP.

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 Andrew **Last Name** Kastning

Title
PM

Organization Name
USACE Alaska District

Phone Type	Number	Extension
Business	907-753-2554	

Email
Andrew.C.Kastning@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
permitted gravel sources

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

Type	Cubic Yards
clean, permitted gravel	33,000.0

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

Surface Area	Units
3.1	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

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
Wetlands

Discharge Location
70.320033,-148.500147

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 flare area has man-made berms surrounding the pit. Hilcorp SWPPs and BMPs will be implemented, decreasing sediment discharge outside of the pit area.

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
Hilcorp maintains discharge SWPPs. The established BMPs and SWPPs will be followed and implemented during the project execution.

Avoidance Measures
Avoidance: Hilcorp has reviewed the options regarding how to repair current subsidence issues with respect to the piles which support the gas flare pipelines at the Central Compressor Pad in the Prudhoe Bay Unit.

The alternative to placing gravel for current and future maintenance activities would be to build ice roads as necessary during the winter months and perform maintenance activities from these ice roads. The advantage of building permanent gravel access is that maintenance can be done year-round as needed, and the gravel access will help insulate the underlying wetlands and should help slow down permafrost thaw, therefore reducing the amount of maintenance required.

Minimization Measures
Minimization: Hilcorp is requesting authorization to fill up to 3.1 acres of wetlands. The following will be done to minimize impacts:
-Fill only the minimum acreage required to safely allow access to lighter duty vehicles which will be used for current and future maintenance activities.

Mitigation Measures
Hilcorp has avoided and minimized to the extent practicable impacts to wetlands to construct an area that can be used to repair current subsidence issues as well as facilitating maintenance in the future. This proposed project is close to existing gravel roads and pads and the wetlands impacted are of diminished value as a result of flaring activity.

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

Describe Social and/or Economic Importance of the project
The project will allow maintenance work on the flares during the summer and winter instead of just winter. Immediate maintenance work on the flares will reduce operating costs by increasing flare efficiency.

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
NSB	Admin Approval	TBD	*NONE PROVIDED*	*NONE PROVIDED*	*NONE PROVIDED*
USACE	IP Renewal	POA-2020-00091	*NONE PROVIDED*	*NONE PROVIDED*	*NONE PROVIDED*
ADNR DOG	LONS Amendment	TBD	*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 Andrew **Last Name** Kastning

Title
PM

Organization Name
USACE, AK District

Phone Type	Number	Extension
Business	907-753-2554	

Email
Andrew.C.Kastning@usace.army.mil

Attachments

Copy of Federal Application (USACE, EPA, or FERC, etc.)
Generated_hoppe_24380_25781_0_IP_Additional_Info.pdf - 11/24/2025 10:35 AM
Generated_hoppe_24380_25781_0_Appx_C_Impacts.pdf - 11/24/2025 10:35 AM
Generated_hoppe_24380_25781_0_ENG_4345_Permit.pdf - 11/24/2025 10:35 AM
Generated_hoppe_24380_25781_0_Appx_H_Supporting_Files.pdf - 11/24/2025 10:35 AM
RE_ BPXA to NSB TLUI Clearance Request - CCP Flare Pit Gravel Placement.msg - 11/24/2025 10:35 AM
Generated_hoppe_24380_25781_0_Appx_B_Aquatic_Resources.pdf - 11/24/2025 10:35 AM
Generated_hoppe_24380_25781_0_Appx_A2_Adjoining_Property_Owners.pdf - 11/24/2025 10:35 AM
Comment
This USACE application was sent through the on-line application portal, RRS.

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.
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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 kirsten.hoppe@hilcorp.com kirsten.hoppe@hilcorp.com on 11/24/2025 at 10:54 AM