STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER

LAND USE PERMIT APPLICATION
AS 38.05.850

Applicants must complete all sections of this application. In addition, applicants proposing:

- the use of the uplands and non marine waters must also complete the Supplemental Questionnaire for Use of Uplands and Non Marine Waters accompanying this application;
- off-road travel must also complete the Supplemental Questionnaire for Off-Road Travel accompanying this application; and/or
- the use of tide and submerged lands must also complete the Supplemental Questionnaire for Use of Marine Waters accompanying this application.

Other items that must accompany the completed application are:

- **a (non-refundable)** $100 application filing fee;
- a 1:250,000 or 1:63,360 scale USGS map showing the location of the proposed activity;
- additional items identified and required in any supplemental questionnaire(s) to this application;
- an Alaska Coastal Management Questionnaire if the proposed use is within the Coastal Zone; and
- additional pages if more space is necessary to answer the questions completely.

Completed Land Use Permit Applications should be mailed to one of the following offices:

Public Information Center
550 W. 7th Ave, Suite 1260
Anchorage, AK 99501
(907) 269-8400

Public Information Center
3700 Airport Way
Fairbanks, AK 99709
(907) 451-2705

MLW Information Office
400 Willoughby, #400
Juneau, AK 99801
(907) 465-3400

LAS # _____

Applicant Information:

Samuel Widmer
Applicant Name — Date of Birth

Samuel WIdmer
ConocoPhillips Alaska, Inc.
Doing Business As — Contact Person — EIN

700 G Street
Mailing Address with City, State and Zip — Email Address

( ) (907) 265-1450
Home Phone — Work Phone — Cell Phone — FAX

If you are applying for a corporation, give the following information:

Name, address and place of incorporation: _____

Is the corporation qualified to do business in Alaska? **Yes []** **No [ ]**. **If yes**, provide name, address and phone number of resident agent: _____

Type of User, Select one: **[ ]** Private non-commercial (personal use) **[ ]** Commercial Recreation or Tourism

[ ] Public Non-profit including Federal, State, Municipal Government Agency **[X]** Other commercial or industrial

Duration of Project:
The proposed activity will require the use of state land for: **(Check one)**

[] a single term of less than one year. **Beginning month:** _____ **Ending month:** ___

[X] a multi year term for up to 5 years. **Beginning year:** July 2015 **Ending year:** July 2020

If multi year and seasonal, circle months of use in each year. **Dec., Jan., Feb., Mar., Apr., May (July, August, September)**

Project Location

Latitude/Longitude or UTM:

Section 5 Township, 13N Range 9E, Meridian: Umiat
(The spaces below are to be used if the boundaries of the proposed project cross section lines.)

Proposed project will require the use of up to _____acres. (Add additional sheets as necessary)

Project Description - Describe in detail your intended use of state land. (State land also includes all tide and submerged lands beneath coastal waters and all shorelands beneath other navigable water bodies of the state.) Discuss development and activities. (Attach additional pages as necessary.)
See attached Plan of Operations and drawings

Should a portion of the permitted area be closed to the general public? **Yes [X] No [X]**. **If yes**, explain which portion and provide justification for exclusive use:

Site Description - Briefly describe the current condition of the proposed site of use, noting any trash, garbage, debris or signs of possible site contamination (If significant, we recommend you provide pictures to establish initial conditions):

Off shore Oliktok Point area of Kuparuk Seawater Plant intakes (north of plant) and lee side (west).

Are there improvements or materials on the site now? **Yes [ ] No [X] If yes**, briefly describe the improvements, their approximate value, and who owns them (We recommend you provide pictures of improvements):

Site Description continued - Describe the natural vegetation --- ground cover, trees, shrubs --- and any proposed changes. Describe the location of any estuarine, riparian, or wetlands and any noticeable animal use of area.
Ocean Floor

Site Access - Describe how you plan to access the site, and your mode of transportation.

Existing infrastructure and boats.

If your access is by aircraft, specify the type and size of aircraft: _____

To access the site, the aircraft is equipped with **floats [ ] wheels [ ] skis [ ]**.

Number of people

1. Indicate the number of employees and supervisors who will be working on the site. Varies.
2. Indicate the number of customers who will be using the site per year or season. 0
3. Indicate the number of days the site will be used per year or season. 15 days a year.

Environmental Risk / Hazardous Substances - In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? **Yes [X] No[]**. **If yes**, please describe:

CPAI will use a 15 CSM Air Compressor

The types and volumes of fuel or other hazardous substances present or proposed: Diesel which will be under 10 gallons.

The specific storage location(s): Onshore to support the divers

The spill plan and prevention methods: CPAI will use its existing SPCC plan.

Environmental Risk/Hazardous Substances (continued) - If you plan to use either above or below ground storage containers (like tanks, drums, or other containers) for hazardous material storage, answer the following questions for each container:

Where will the container be located?

What will be stored in the container?

What will be the container's size in gallons?

Give a description of any secondary containment structure, including volume in gallons, the type of lining material, and configuration:

Will the container be tested for leaks? **Yes [] No[]**

Will the container be equipped with leak detection devices? **Yes[ ] No[]**. **If no**, describe:

Do you have any reason to suspect, or do you know if the site may have been previously contaminated? **Yes [ ] No[]. If yes**, please explain:

Date Stamp:

Dan Widmer

Signature of Applicant or Authorized Representative

Environmental Coordinator

Title

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made part of the state public record and becomes public information under AS 09.25.110 and 09.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested.) Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit is punishable under AS 11.56.210.

Land Use Permit Application Supplemental Questionnaire for:
Use of Marine Waters (Tide & Submerged Lands)

Tidelands are that portion of the intertidal zone below the elevation of mean high water. This elevation varies by location. Contact the nearest DNR regional office for assistance. **Submerged lands** are those below the lowest tidal elevation. The State of Alaska, with few exceptions, owns these lands out to 3 miles off shore. – If your activity includes the use of State tide and or submerged lands and the waters above them, answer the questions below and those applicable sections determined below. All site development details identified in this section must be represented graphically in the scaled drawings on Page 9 of the supplement.

Does the applicant own the directly adjacent, upland water front property? **Yes[ ] No[X]** If no, give name(s) and current address / phone # of that property owner.

State of Alaska Owner

ConocoPhillips Alaska lease holder to the lands

Give names and current addresses / phone #s for both upland property owners on either side of the above water front property.

State of Alaska - owner

US Air Force - owner

Note: You must obtain the upland owner's written permission for any use of uplands you do not own including for waste disposal, access to roads, waterlines, power lines, or shore ties above MHW, and you must provide a copy to DNR before a permit is issued. If not the immediately adjacent upland property owner, does the applicant have legal access across the uplands**?** **Yes [X] No[ ]** Please explain.

ConocoPhillips has legal access by lease agreements with State of Alaska

Will your tideland use also involve any use of adjacent State owned uplands? **Yes[ ] No[X]** (If yes, indicate uses and show on your development plan diagram.) **[ ]** Shore tie **[ ]** Waterline **[ ]** Power line **[ ]** Access to roads **[ ]** Other Explain:

Type of Use, Activity, Development (Answer All)

Will you be developing / using a Mooring Buoy system or anchoring a commercial or industrial use vessel for more than 14 days**?** **Yes[ ] No[X]** (If yes, please also answer all questions in **Part 1 on pg. 2 and Part 6 on pg. 8.**)

Will you be anchoring or mooring a commercial or industrial related floating facility that is or can be occupied, i.e. a float camp or floating lodge, a float house you rent, a seafood processor**?**
Yes[ ] No[X] (If yes, please answer all questions in **Part 2, pgs. 2, 3 and Part 6 on pg. 8.**)

Will you be anchoring or mooring your own personal use Float house**?**
Yes[ ] No[X] (If yes, please also answer all questions in **Part 2, pgs. 2, 3 and Part 6 on pg. 8.**)

Will you be placing non-occupied structures including but not limited to Piling, Dolphins, Fixed docks, Floating docks, or other floating structures**?** **Yes[ ] No[X]** (If yes, please also answer all questions in **Part 3, pg. 3 and Part 6 on pg. 8.**)

Type of Use, Activity, Development (continued)

Are you seeking authorization to use or develop a Log Transfer Facility, a floating Log Storage area, or a Log Ship Loading site**?** **Yes[ ] No[X]** (If yes, please also answer all questions in **Part 4, pgs. 4, 5, 6 and Part 6 on pg. 8.**)

Will you be placing fill or dredging material on a beach**?**
Yes[ ] No[X] (If yes, please also answer all questions in **Part 5, pgs. 6, 7 and Part 6 on pg. 8.**)

Part 1. Anchoring vessels and mooring buoy systems

Does the proposed use location include a known anchorage? **Yes[ ]No[ ]** If yes, have alternative locations been considered to reduce impact to the anchorage? **Yes[ ]** List below. **No[ ]** If no, explain why.

_____

_____

_____

What type of vessel will use the site? **[ ]** Commercial Fish Tender/ Processor **[ ]** Log Ship **[ ]** General Cargo Ship **[ ]** Unoccupied Barge **[ ]** Fuel Barge **[ ]** Passenger Vessel **[ ]** Other: _____

Does the anchoring vessel require the ability to be able to occupy this site all year long? **Yes[ ] No[ ]** If No, what months will the site be needed? **From ___ _____ to ___ _____**

What is the maximum swing radius of vessel at anchor? Length _____feet (distance from anchor to the aft of the vessel)

Will the vessel require the placement of a mooring buoy system? **Yes[ ] No[ ] Number of buoys: _____**
If placing buoys, fill out applicable parts of Part 3 to explain the anchoring system.

Part 2. Floathouses and Commercial, Industrial Floating Lodges, Float camps, Caretaker Residences (including seafood processors). An associated part of approving this type of use is The US Army Corps of Engineers (USACE) permit. Their general permit, GP 89-4N, for occupied floating facilities can be obtained if use and location is found consistent with the AK Coastal Management Program and you meet all conditions of GP 89-4N. Please obtain a copy of GP 89-4N from the Corps, review the conditions and indicate below if your facility will meet all of these conditions. This will help streamline the approval process.

Does your project meet all conditions for general permit GP 89-4N? **Yes[ ] No[ ]**

If no, you must Contact USACE at 1-800-478-2712 and apply for an individual Corps of Engineers permit.

Description of Facility Note: The structures and dimensions must be shown on the development plan diagram

Float Dimensions: float ____ x ____ float ____ x ____ float ____ x ____ Total float area ____ sq ft

Living quarters total area: _____ sq ft. Number of stories: _____ Maximum occupancy _____ persons

Describe other structures on floats, such as storage and generator sheds; give structure dimensions.

_____

_____

_____

Describe anchoring system and address all that apply: No. of anchors _____Type _____Weight _____
No. of Rock bolts _____ No. of Shore ties _____

Other methods _____

_____

_____

Part 2. (continued)

Grounding is prohibited. What is the water depth beneath the facility at extreme low tide_____

How many feet of maximum draft does the floating facility have _____

Describe your potable Water Source: type, location, ownership of the source _____

Wastewater System. Describe how you will handle human waste, black water, grey water _____

Do you have an approved ADEC marine sanitation system **Yes[ ] No[ ]** Approval # _____

Describe how you will dispose of all solid waste including human waste and household garbage generated on facility _____

Part 3. Non occupied structures - Piling, Dolphins, fixed docks, floating docks, or other floating structures.
Select all boxes that apply for structures located below MHW and show all on the development plan diagram

- ❑ Fixed pile-supported dock, wharf or landing (non-floating) - dimensions ____ x ___ feet No. of pilings _____
- ❑ Ramp to floating dock - dimensions ____ x ___ feet
- ❑ Boat haulout or non-floating ramp – dimensions ____x_____ feet
- ❑ Floating dock Dimensions ____ x ___ feet; ____ x ___ feet; ____ x ___ feet; ____ x ___ feet; ____ x ___ feet;
- ❑ Floating breakwater - materials _____ Dimensions ____ x ___feet
- ❑ Other floating structures (e.g., net pens, gear storage float) – describe materials, structures, dimensions _____
- ❑ Storage sheds or similar structures on docks - description_____ Dimensions ____ x ___
- ❑ Bulkhead - type (log crib, sheet pile, etc) _____
  Dimensions _____ x _____ Cubic Yards of Fill _____
- ❑ Individual pilings not counted under fixed dock above. Number ____
- ❑ Dolphins - Number _____ Number of piling per dolphin _____
- ❑ Anchors- Number _____ Type _____ Weight _____
- ❑ Rock bolts- Number _____
- ❑ Shore ties- Number _____Note: You must obtain the upland owner's permission to place shore ties above MHW before a permit is issued.

Note: Grounding is prohibited.
What is the water depth beneath the floating structures at extreme low tide? _____ feet

Part 4. Temporary log transfer facility (LTF) including floating log storage area.
Siting of an LTF which discharges wood into the marine waters must meet the 1985 Alaska Timber Task Force siting criteria guidelines and the criteria established under the US EPA's - NPDES general permit and the AK Dept of Environmental Conservation 401 certification.

What is the maximum length of time that you will need to use the facility _____years.

What will be your seasonal periods of operation? _____

What is the total timber volume you need to transfer across this LTF? _____mmbf.

How many total acres do you need for this facility? _____ acres.
Note: This acreage must include all improvements including the anchors and lines. It must include the area required for such items as log raft construction, off shore storage, associated barge and vessel moorage, and shoreties.

Does the associated transfer site require a log raft building area**? Yes[ ] No[ ]** If yes then:

How many boom logs _____ and anchors _____ and what is the total length of boom logs _____ feet, that you need for the rafting area?

Will the log rafts ground or be moored in water at depths less than 40 feet as measured from MLLW**? Yes[ ] No[ ]**

What is the near shore depth _____feet, and the offshore depth _____ feet, of the log rafting area as measured from MLLW (0.0' elevation)?

What nautical chart did you use for reference _____, please include a copy of this area of the chart with the attachments.

Will you need an associated in-water log storage area**? Yes[ ] No[ ]** If yes, then answer the set of questions in the **Floating Log Storage Area section of Part 4.**

Will you need an associated log ship moorage and loading area**? Yes[ ] No[ ]** If yes then complete Part 1 on page 2.

What kind of transfer facility do you propose to operate? (i.e. A-Frame letdown, slide ramp, drive down ramp, barge ramp)

_____

_____

_____

Will you be transferring logs into the marine waters?

[ ] No, logs will never be discharged into the water, they will always be transported directly onto barges.

[ ] Yes - new facility. The applicant must conduct a dive survey of the near shore area to document the pre-project underwater topography and habitat conditions that will be covered by the discharge of bark on to the likely one-acre zone of deposit. The initial dive survey must be done to guidelines established for bark monitoring by the USEPA and the Alaska Department of Environmental Conservation. A written report of findings including photographic documentation must be submitted prior to review and consideration of this application.

[ ] Yes - existing facility. Include a report of the last dive survey with attachments. The applicant / operator is responsible to conduct bark monitoring dive surveys, done to the guidelines established by the US EPA and the Alaska Department of Environmental Conservation to document the current extent of bark accumulation at the site.
A written report of current monitoring findings must be submitted prior to review and consideration of this application.

Is this an existing LTF that has been fully approved and used to transport timber in the past**? Yes[ ] No[ ]**
If Yes, then answer the following set of questions. If No, you are finished with **Part 4.**

Part 4. (continued)

Was the facility constructed before 1985**? Yes[ ] No[ ]**

Is the facility currently authorized**? Yes[ ] No[ ]** If Yes, provide the Army Corp of Engineer's Permit Name and number (i.e. Mud bay 43) :_____ and attach a copy of it and all modifications.

What is the ACMP consistency determination number and date of approval?_____

What is the EPA - NPDES authorization number? _____ Date of approval _____and who is the authorized operator: _____

When was the facility last actively used? _____ How long was it used for? _____
How much volume was transferred?_____ mmbf

What type of log entry system is currently authorized? (i.e. A-Frame letdown, slide ramp, drive down ramp, barge ramp)

_____

_____

Is there a tideland survey for the site? **[ ]Yes [ ]No**, ATS# _____

Does the existing facility require a physical modification? **Yes[ ] No[ ]** If yes, please submit your modification request to the USACE and include a copy with this application. Please briefly explain the modification.

_____

_____

_____

Floating Log Storage Area

Will the storage area be inside the permit area at the log transfer facility**? Yes[ ] No[ ]** If no, Will there be a separate tract or tracts**? Yes[ ] No[ ]** If yes how many tracts do you need? _____ and list below the acreage of each tract.

_____

_____

How long do you need to use the storage area (s)?_____

How much volume will be moved thru this storage area? _____mmbf.

How many log booms and anchors and what is the total length of the log boom perimeter that will be needed for storage?
# of log booms _____, #of anchors _____ total length of all log booms _____feet.

Will you be using shore ties**? Yes[ ] No [ ]** If yes how many? _____ and if you are not the upland owner have you received permission to place shore ties**? Yes[ ] No[ ]** If yes, provide a copy of this permission, if no, you need to obtain and provide this.

Will the log rafts ground or be moored in water at depths less than 40 feet as measured from MLLW**? Yes[ ] No [ ]**

What is the near shore depth and the offshore depth of the log storage area as measured from MLLW?
Near shore depth _____ feet, Offshore depth _____ feet.

What nautical chart did you use for reference _____. If possible please include a copy with the attachments.

Part 4. (continued)

If the log storage area is one which has been fully approved and used to store log rafts in the past then answer the following:

When was the site last actively used? _____ and for how long ? _____

If known, how much volume was stored here? _____mmbf

Is the facility currently authorized**? Yes[ ] No[ ]** If yes, provide the Army Corp of Engineer's Permit Name and number (i.e. Mud bay 43) :_____ and attach a copy of the permit and all modifications

What is the DNR authorization number? _____

What is the ACMP consistency determination number and date of approval?_____

What is the EPA - NPDES authorization number? _____ Date of approval _____and who is the authorized operator: _____

Has there been a recent dive survey completed**? Yes[ ] No[ ]** If yes, then include a copy of this report with the attachments.

Note: The applicant may have to conduct a dive survey of the log storage area to document the underwater topography and habitat that would be covered by the bark zone of deposit or to establish current bark accumulation levels. If required due to level of use, a bark monitoring dive survey must be done to guidelines established by the USEPA and the Alaska Department of Environmental Conservation to document the current conditions at the site

Part 5. Use that involves dredging, placing fill material or altering beaches.

NOTE: When altering the location of the line of mean high water on a beach by placing fill on or seaward of this line you need to be aware of the following. The line of mean high water (MHW) is the boundary where State (public) ownership of tide and submerged land begins. This boundary is an elevation contour on the beach and is determined by the tidal stage of MHW water elevation against the beach topography. This line is not fixed by a past survey of the upland property if that land survey shows a meandered boundary as is typically done. A meandered boundary is intended to be dynamic and move over time as natural forces affect the beach. Natural forces can either erode beach material or deposit material and as a result, the boundary can naturally move. Another natural way that boundaries can change is in tidal areas where glaciers have recently receded and the land is rebounding or uplifting over time. When any natural process is interrupted by the actions of man, such as placing material to stop erosion, the boundary line becomes fixed from that point on.

What is the elevation of the line of MHW at the proposed permit site? __Unknown_____ feet

Are you proposing to alter the line of MHW in any manner**? Yes[X] No[ ]** If yes, explain what you intend to do?

_____

_____

_____

Placing fill material on a beach.

What is the purpose of the fill? No dredged material will be moved 20-ft from the existing intake.

_____

_____

_____

_____

Is there an upland survey that has established a meandered boundary line? **Yes[ ] No[ ]** If yes, Survey # _____NA_____
(if a subdivision survey please provide a legible copy) (ATS, ASLS, US Survey#)

Part 5. (continued)

Will heavy equipment be used below the mean high water line to alter the beach**? Yes[ ] No[X]** If yes, explain

No activity will occur on the beach. Divers will be working in from of the existing intake for STP.

How many cubic yards of fill are you proposing to place at and below the line of MHW? 50 cubic yards

What are the dimensions of fill area below MHW elevation? Approximately_500 ft x 500ft and 400 ft x 700 ft. _ (ocean bottom area)

How many linear feet along the (beach) line of MHW will be covered with fill? __X_NA_____ feet.

Is there more than one area along the beach which will be filled**? Yes[ ] No[ ]** Identify the location of each area on the development plan diagram. NA

Will any of the fill material come from State owned uplands or tide and submerged lands**? Yes[X] No[ ]** If yes, then what is the source? _____Existing mud/overburden will be moved_____and how many cubic yards? _____10 cubic yards a year__.

If you are intending to limit beach fill to the area above the current line of MHW will any of the fill or associated retaining wall material including the toe of the fill or retaining wall extend beyond the line of MHW**? Yes[ ] No[ ]** NA

Is the adjacent upland property encumbered with a public easement along the waterfront boundary**? Yes[ ] No[X]**

How will the fill affect public access along the beach? No affect

Excavation of materials from a beach.

What is the purpose of the excavation? NA

How many linear feet along the beach will be affected? ____NA___ feet

To what depth will you be excavating? __NA_____ feet

How many cubic yards will be excavated from the area seaward of the line of MHW? _____NA_____ cubic yards and what will this excavated material be used for or where will it be disposed of ?

Part 6. Dismantle, Removal, Restoration Plan – The permit will require that upon expiration, completion, or termination the site shall be vacated and all improvements and personal property removed. The site shall be left in a clean, safe condition acceptable to the Regional Manager. Your answers to the following questions will establish your proposed restoration plan.

A. Explain how you plan to dismantle and remove the improvements and restore the site to a clean, safe condition acceptable to the Regional Manager. **Note:** One acceptable alternative is returning the permit site to the condition that existed before the site was developed or used.

No improvements will be constructed on the site.

B. If your project involves fill describe how it will be removed and where will it be removed to. How will you document that the original line of Mean High Water has been restored? (i.e. photo documentation, resurvey)

Dredged material will be distributed from along the ocean floor from which it originated,

C. If your project involves anchors and/or pilings how do you plan on removing them? Where is the nearest community that provides this type of removal equipment / service?

NA

D. Describe the disposal method and identify the disposal site or sites for structural components, solid wastes, and hazardous wastes.

NA

E. If components can be reused for other projects, such as anchors, identify where they would be stored?

NA

SITE DEVELOPMENT DIAGRAM

See attached drawings

VICINITY MAP

Date Prepared:	Applicant's Name:
ALASKA DEPARTEMENT OF NATURAL RESOURCES DIV. OF MINING, LAND , WATER LAND USE PERMIT	
SITE DEVELOPMENT DIAGRAM	
Sec.(s) _____ T._____ S., R._____ E., _____M	
SHEET OF	LAS #

Seawater Treatment Plant Dredging
Kuparuk River Unit

Project Description

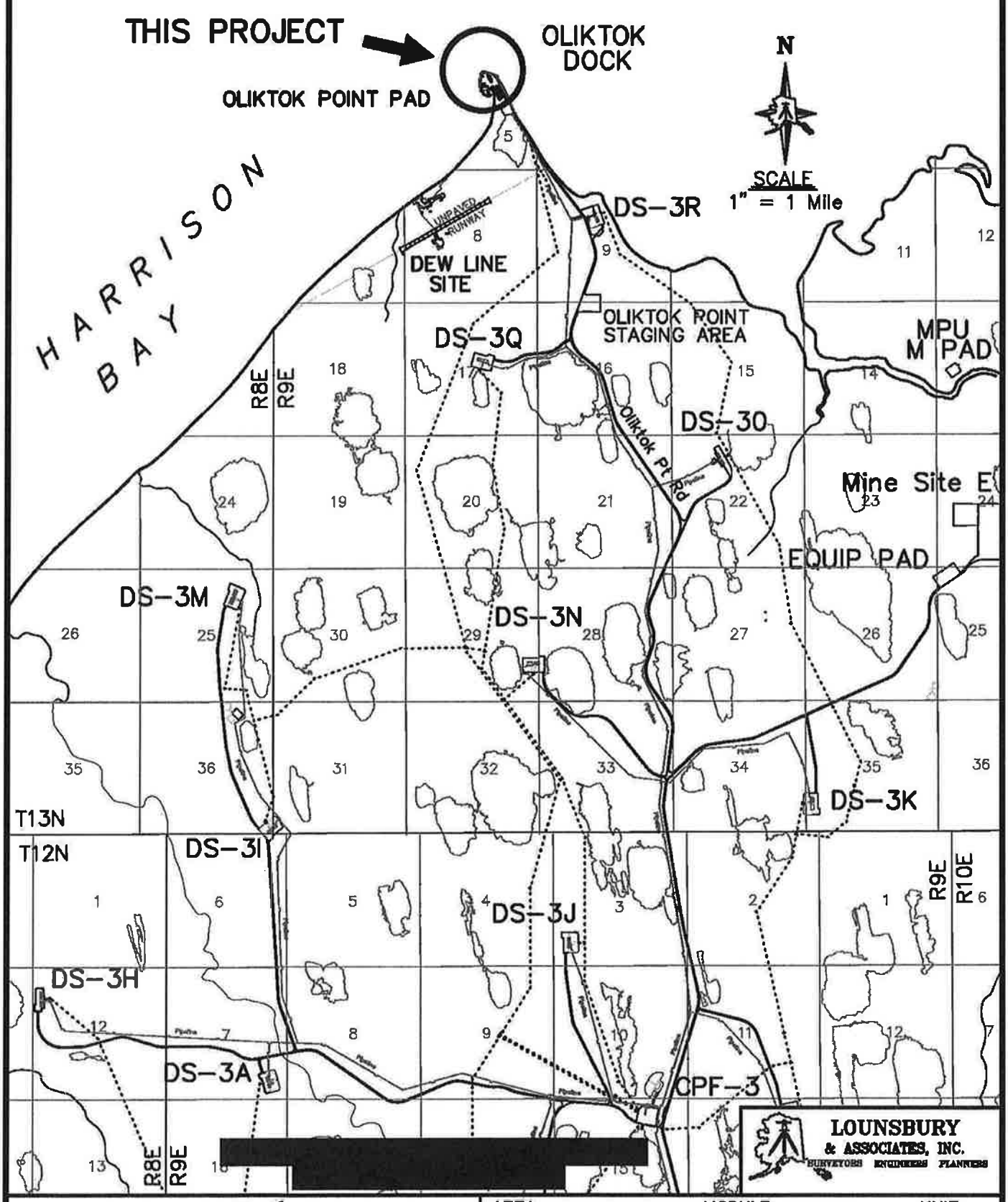
ConocoPhillips Alaska, Inc. (CPAI) requests authorization to perform critical maintenance at the Kuparuk Seawater Treatment Plant by removing debris and sediments/sand from inside of and in front of the facility inlet bays. This is a routine maintenance activity that is performed to remove sediments and sand that accumulate and obstruct the inlets over time. An estimated 10 cubic yards of material from within approximately 6 feet of the inlet bays will be distributed along the sea floor approximately 10 to 15 feet north of the inlet bays. The work will be performed by divers using a suction dredge. Debris will be removed using a cargo basket and disposed of at a permitted landfill.

Extend debris removal approximately 3 ft. north from seaward face of the intake module at a depth 1 ft. below intake opening transitioning to sea floor at a 2:1 slope. Assist with and inspect intake screen deployment with assessment of sealing effectiveness of frame against seaward face of intake module.

Suction Dredge & hand removal of accumulated debris from within the front end of the intake bays from intake openings to stop logs.

Please see the attached figures for additional details.

REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION



ConocoPhillips Alaska, Inc.

AREA: MODULE: UNIT:

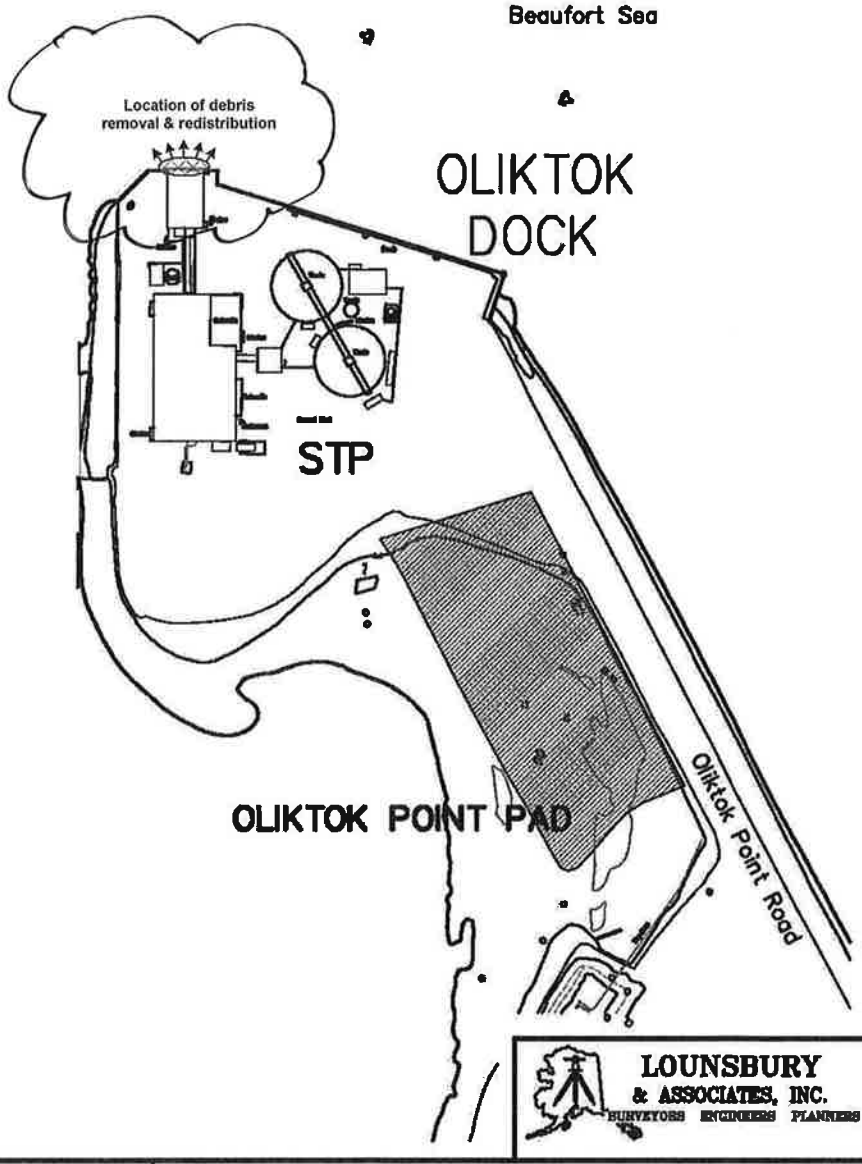
KUPARUK STP INTAKE
PROPOSED DEBRIS REMOVAL & REDISTRIBUTION
PERMIT EXHIBIT

CADD FILE NO.	DRAWING NO:	PART:	REV:

REV	DATE	BY	CK	APP	DESCRIPTION	REV	DATE	BY	CK	APP	DESCRIPTION

N

SCALE
1" = 300'



LOUNSBURY & ASSOCIATES, INC.
SURVEYORS ENGINEERS PLANNERS

ConocoPhillips Alaska, Inc.

AREA: MODULE: UNIT:

KUPARUK STP INTAKE
PROPOSED DEBRIS REMOVAL & REDISTRIBUTION
PERMIT EXHIBIT

DRAWING NO:	PART:	REV:

SIMPLIFIED DRAWING