



GUIDANCE DOCUMENT LAND USE PERMIT APPLICATION

State of Alaska
Department of Natural Resources, Division of Oil & Gas
550 W. 7th Ave, Suite 1100, Anchorage, AK 99501-3563
Phone: 907-269-8800 Fax: 907-269-8943
Permitting Email: dog.permitting@alaska.gov



Land Use Permit Application Package includes the following items:

- A Land Use Permit application form completed and signed by the applicant.
- Applicants proposing the use of tide and submerged lands must also complete the Supplemental Questionnaire for Use of Marine Waters accompanying this application.
Figures are required in the Supplemental Questionnaire for Use of Uplands and/or Non-Marine Waters as well as the Supplemental Questionnaire for Use of Marine Waters and should show each item labeled so that it corresponds with your description in the Questionnaire. The figures must include:
 - **Location** - Section, Township, and Range lines; North arrow; scale; title; legend (may be attached).
 - **Boundaries** – Boundaries and dimensions of proposed area of use and their relation to geographic features, including water bodies, and existing trails or rights-of-way.
 - **Structures and Storage** - Location and dimensions of buildings, tent platforms, out-buildings and other improvements, and of equipment parking and storage areas, including snow storage areas.
 - **Hazardous substances** – Location and dimensions of storage facilities for hazardous substances, including but not limited to oil, lubricants, fuel oil, gasoline, solvents, and diesel fuel. Include method and dimensions of storage (tank, drum, etc.).
- Other items that must accompany the application package are:
 - **Map** - a topographic map of sufficient scale to show the location of the proposed activity. The map may be either 1:250,000 or 1:63,360.
 - **Filing Fees** - A non-refundable filing fee is required by regulation (11 AAC 05.180(d)(1)(C)). See the current Director's Fee Order for applicable fees. Make checks payable to the "State of Alaska Department of Natural Resources".
 - **Other Miscellaneous Items:** Items specifically identified and required in any of the supplemental questionnaires.

Pre-Permit Issuance Requirements: Prior to issuance of a permit, an applicant is required to submit one or more of the following:

Use Fees - The use fee depends on the type of activity, length of use and the acreage authorized for use. See the current Director's Fee Order for applicable fees.

Performance Guaranty (Bond) - A performance guaranty is held by the state to assure performance and to pay for corrective action if the use of state land fails to comply with the requirements of the permit. The Division of Oil and Gas uses a bonding matrix to determine the amount of a performance guaranty. Acceptable types of performance guaranties include:

- a. cash or check made out to the State of Alaska;
- b. a Certificate of Deposit (CD) in the state's name; or
- c. a corporate surety bond.

Insurance - Insurance to protect you and the state from liabilities incurred through the use of state property.

Survey - Surveys are generally not required for land use permits. Some authorizations may require a Global Positioning System (GPS) to determine the location of the project.

If you have any questions prior to submitting your application, you are encouraged to meet with a member of the Division of Oil & Gas staff about your proposed activity. Completed applications should be emailed to the Division of Oil & Gas Permitting Section at dog.permitting@alaska.gov.

ONLY COMPLETE APPLICATIONS WILL BE ACCEPTED



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SECTION I: APPLICANT INFORMATION		
1. Applicant:		2. Applicant Contact:
Name: Narwhal Exploration, LLC		First Name: Shawn Last Name: Gelsinger
Mailing Address: 310 K Street, Suite 400		Title: Chief Operating Officer
City: Anchorage		Is the Mailing Address the same as Applicant's Mailing Address? ☐ Yes
State: Alaska Zip Code: 99501		If "No", please provide information below:
Phone: (907) 229-3539 Fax: Enter Fax.		Mailing Address: Enter Mailing Address.
Email: shawn@narwhalexploration.com		City: Enter City. State: Enter State. Zip Code: Enter Zip Code.
Phone: (907) 229-3539 Fax: Enter Fax.		Phone: Enter Phone. Fax: Enter Fax.
Email: shawn@narwhalexploration.com		Email: Enter Email.
SECTION II: THIRD PARTY INFORMATION (Fill out this section only if you are applying for the Applicant)		SECTION III: APPLICATION DATE AND NUMBER (FOR DIVISION USE ONLY)
Third Party Company Name: Boreal Environmental Services		Application Date:
First Name: Julie Last Name: Lina		
Title: Permitting Team Lead		
Mailing Address: 4300 B Street, Suite 510		
City: Anchorage		
State: Alaska Zip Code: 99503		
Phone: (907) 440-0270 Fax: Enter Fax.		
Email: jlina@boreal-services.com		
Describe the affiliation to the Applicant: Providing permitting services.		Application Number:
SECTION IV: PROJECT INFORMATION		
1. Project Name: Winter 2026-2027 Narwhal Exploration West Harrison Bay Campaign		
2. Proposed Duration:	The proposed activity will require the use of state land for: (Check one) ☐ a single term of less than one year. Starting Date: Enter Date. Ending Date Enter Date. ☒ a multi year term for up to 5 years. Starting Date: Enter Date. Ending Date Enter Date. If multi year and seasonal check months of use in each year: ☒ Jan ☒ Feb ☒ Mar ☒ Apr ☒ May ☒ Jun ☒ Jul ☒ Aug ☒ Sept ☒ Oct ☒ Nov ☒ Dec	
3. Project Location:		
Project Components	Meridian, Township, Range, And Section(s)	GPS Coordinates
Off-road travel	Various – see project description	Various – see project description
Click here to enter text.	Click here to enter text.	Click here to enter text.

Click here to enter text.	Click here to enter text.	Click here to enter text.
Proposed project acreage varies by location and duration of the project.		
4. Project Description:		
A. 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. Narwhal WHB Campaign is an exploration drilling project located in the nearshore waters of WHB in the Beaufort Sea, Alaska. Temporary infrastructure including ice airstrips, ice roads/trails, and ice pads will be built to support camps, equipment storage, and drilling operations in the winter program. This temporary infrastructure is split with part residing within the NPR-A, for which BLM authorization has been obtained. Additionally, temporary infrastructure including a staging pad, sea ice trails, ice roads, and drilling pads will be constructed in nearshore State waters.		
B. Should a portion of the permitted area be closed to the general public? Yes ☒. No ☐. If yes explain which portion and provide justification for exclusive use: All portions of the permitted area will be closed to the general public due to potential health and safety reasons.		
C. Briefly describe the current condition of the proposed site of use, noting any known garbage, debris or signs of possible site contamination (If significant, we recommend you provide pictures to establish initial conditions): Existing conditions at the project site include estuarine and marine deepwater habitat with tundra and other wetlands in the vicinity. Trash, hazardous pits, old drums and other debris generated from the legacy wells drilled in the past are present in the project area on BLM lands. If impacts are discovered during stick picking the following summer Narwhal will consult with the Federal, State, and local agencies if evidence of contamination is encountered.		
D. Are there improvements or materials on the site now? Yes ☐. No ☒. If yes, briefly describe the improvements, their approximate value, and who owns them (We recommend you provide pictures of improvements):		
E. 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. Onshore lands within the NPR-A are under the BLM. The project area includes the Kogru river and its estuarine and riparian habitat, the Colville River Delta, the coastline from Oliktok Point to WHB, and marine waters from the coastline to the ice pads. Other wetlands and tundra are in the vicinity. Animal use of the area could include polar bears, brown bears, caribou, wolves, fox, and other medium and small sized mammals. Ringed, bearded and spotted seals, and bowhead whales could be in Harrison Bay, although their presence is more likely in the summer months during which Narwhal has limited operations in the area. Several species of migratory birds and fish are also in the area.		
F. Describe how you plan to access the site and your mode of transportation. The site will be accessed by tracked vehicles involved in the coastal sea ice trail construction when stable sea ice along the shorelines is present. Once the trail is constructed, tundra-approved vehicles will use the trail. The exploration sites can be accessed via aircraft once a temporary airstrip is constructed on grounded sea ice or via ice trail using tracked vehicles. Travel between key sites within WHB is expected to be via ice roads constructed to support vehicle traffic.		
5. Environmental Risks / 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 ☒. No ☐. If yes, please describe below:		
A. The types and volumes of fuel or other hazardous substances present or proposed: Fluid storage will include diesel, jet fuel, gasoline, glycol, and other fluids used in construction, operations, and maintenance activities.		
B. The specific storage location(s): Fuel will be stored at the Oliktok Point ice pad. Narwhal will employ five double-wall steel shop-fabricated aboveground storage tanks during ice road/trail construction and will be removed from service when they are no longer needed.		
C. The spill plan and prevention methods: Spill prevention procedures will include standard practices such as placing drip pans under parked vehicles and all hose or pipe connections to diesel fuel tanks, in addition to specific fuel transfer procedures. All spills, no matter what the size, will be recorded and cleaned up as required by ADEC regulations. Agency spill reporting will be completed as described in the ODPCP and SPCC Plan.		
SECTION V: PERFORMANCE GUARANTY		
Bonded Company: Information will be provided after permit application submittal Type: Enter Bond Type. Number: Enter Bond Number. Amount: Enter Bond Amount. Bonding Company: Enter Bonding Company. Mailing Address: Enter Mailing Address. City: Enter City. State: Enter State. Zip Code: Enter Zip Code. Phone: Enter Phone. Fax: Enter Fax. Email: Enter Email.		
SECTION VI: INSURANCE		

Comprehensive General Liability Insurance:

Amount of Insurance: Enter Amount of Insurance.

Insurer Name: Enter Insurer Name.

Mailing Address: Enter Mailing Address.

City: Enter City. State: Enter State. Zip Code: Enter Zip Code.

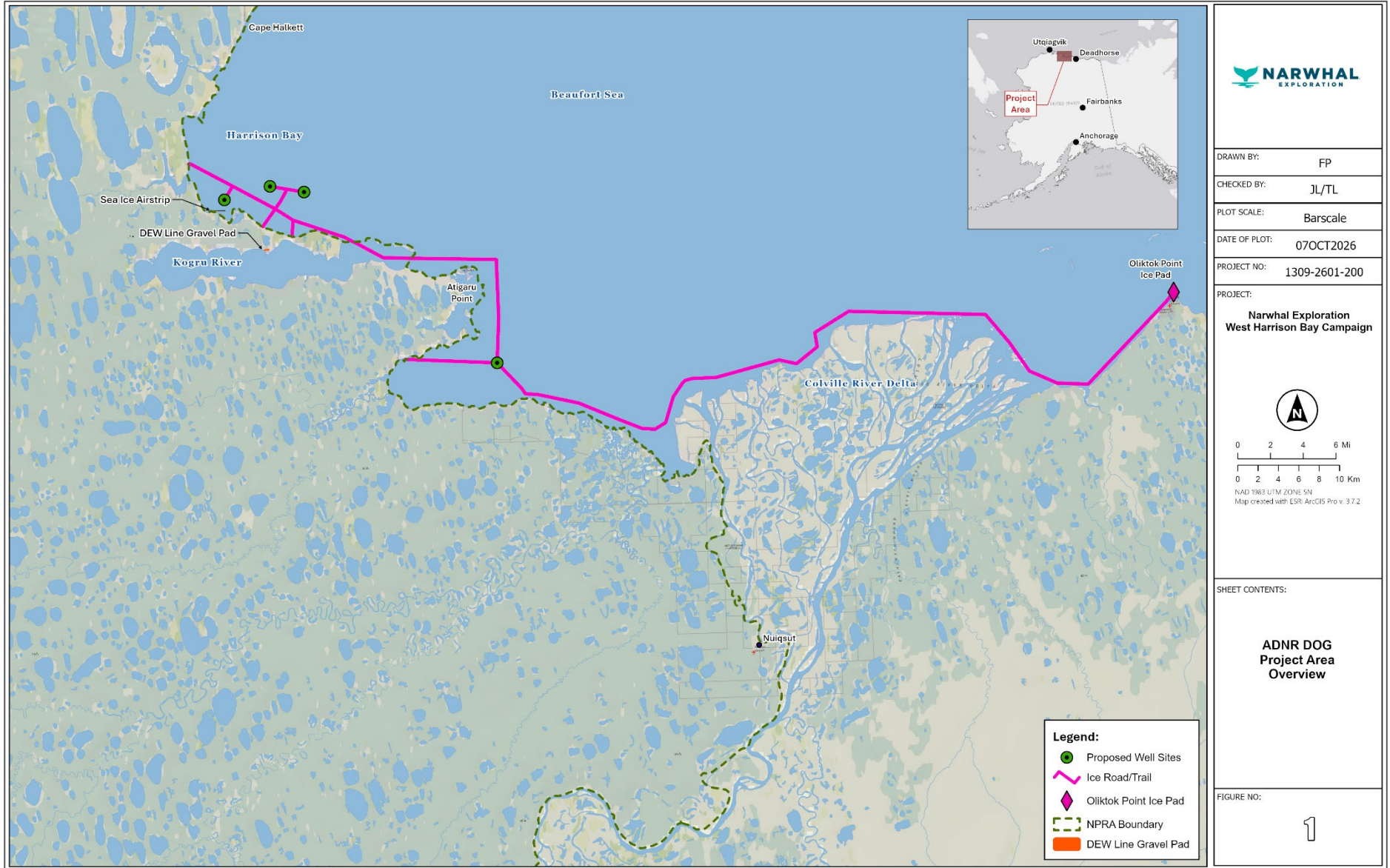
Phone: Enter Phone. Fax: Enter Fax. Email: Enter Email.

SECTION VII: GLOSSARY OF TERMSIs a Supplemental Questionnaire included in Appendix B? ☐ Yes ☒ No

Term #	Term	Term Definition
1.	Narwhal	Narwhal Exploration, LLC
2.	WHB	West Harrison Bay
3.	NPR-A	National Petroleum Reserve – Alaska
4.	BLM	Bureau of Land Management
5.	ADEC	Alaska Department of Environmental Conservation
6.	ODPCP	Oil Discharge Prevention and Contingency Plan
7.	SPCC	Spill Prevention, Control, and Countermeasure

See Next Page.

Figure 1. Project Area Overview



APPENDIX B: OTHER

See Project description.



Land Use Permit: Winter Tundra Travel Project Description

For Alaska Department of Natural Resources (ADNR): Division of Oil and Gas (DOG)

Prepared for:
Narwhal Exploration, LLC

October 2026



Land Use Permit: Winter Tundra Travel Project Description

Prepared for:

Narwhal Exploration, LLC

310 K Street
Suite 400
Anchorage, AK 99501

Prepared by:

Boreal Environmental Services

4300 B Street, Suite 510
Anchorage, AK 99503



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ABBREVIATIONS

ACS	Alaska Clean Seas
ATV	All-Terrain Vehicle
BLM	Bureau of Land Management
Narwhal	Narwhal Exploration, LLC
NPR-A	National Petroleum Reserve-Alaska
WHB	West Harrison Bay
WMP	Waste Management Plan

1.0 PROJECT DESCRIPTION

The Narwhal Exploration, LLC (Narwhal) West Harrison Bay (WHB) Campaign is an exploration drilling project located in the nearshore waters of WHB in the Beaufort Sea, Alaska. Narwhal proposes to conduct on-ice winter drilling operations with the plan to execute three wells of the four wells identified in Figure 1 (Appendix A). Access to the area will be achieved via a coastal sea ice trail from Oliktok Point to the project area. Table 1 shows the locations of the project components within State lands. Temporary infrastructure for the project will be split with part of it residing within the NPR-A, for which Bureau of Land Management (BLM) authorization has been obtained. Additionally, temporary infrastructure including a staging pad, sea ice trails, ice roads, and drilling pads will be constructed in nearshore State waters. Due to the shallow water depths in the project area, all ice construction is expected to occur on grounded sea ice. Narwhal pre-staged critical drilling, fuel, and operational equipment in the project area during the open-water season and will reduce the number of loads to be mobilized via all-terrain vehicles (ATVs) during the winter months.

Onshore lands of the project within the NPR-A are under the Bureau of Land Management (BLM). The State of Alaska owns submerged lands. Project area includes the Kogru river and its estuarine and riparian habitat, the Colville River Delta, the coastline from Oliktok Point to WHB, and marine waters from the coastline to the ice pads. Other wetlands and tundra are in the vicinity. Animal use of the area could include polar bears, brown bears, caribou, wolves, fox, and other medium and small sized mammals. Ringed, bearded, and spotted seals, and bowhead whales could be in Harrison Bay although their presence is more likely in the summer months during which Narwhal has limited operations in the area. Several species of migratory birds and fish are also in the area. All portions of the permitted area will be closed to the general public due to potential health and safety reasons.

2.0 TUNDRA ACCESS

The site will be accessed by tracked vehicles involved in the coastal sea ice trail construction when stable grounded sea ice along the shorelines is present. Once the trail is constructed, tundra-approved vehicles will use the trail. The exploration sites can be accessed via aircraft once a temporary airstrip is constructed on grounded sea ice or via ice trail using tracked vehicles. Travel between key sites within WHB is expected to be via ice roads constructed to support vehicle traffic. Multiple aircraft may support operations, including aircraft with skis as well as wheeled aircraft.

3.0 HAZARDOUS SUBSTANCES HANDLING AND STORAGE

Fluid storage will include diesel, jet fuel, gasoline, glycol, and other fluids used in construction, operations, and maintenance activities. Tanks for the project will either be single-wall construction with secondary containment or double-wall tanks.

Narwhal plans to use five double-wall steel shop-fabricated aboveground storage tanks with a maximum fill volume of 17,000 gallons for fuel storage on an ice pad at Oliktok Point. The tanks will be employed during ice road/trail construction and will be removed from service when they are no longer needed. In

each tank, the inner tank serves as the primary storage container while the outer tank provides secondary containment, fully enveloping the inner tank to contain 100% of the maximum possible release. The tanks will be equipped with an overfill warning alarm to prevent filling beyond the safe fill level. A fuel spreader truck will be utilized to fill equipment as needed. During equipment storage and maintenance, the site will be protected from leaking or dripping fuel and hazardous substances by the placement of drip pans or other surface liners designed to catch and hold fluids under the equipment. Fuel will be transported to the project via 2,500-gallon sleigh on ice trails.

4.0 SPILL PREVENTION PROCEDURES AND CONTINGENCY PLANS

Spill prevention procedures will include standard practices such as placing drip pans under parked vehicles and all hose or pipe connections to diesel fuel tanks, in addition to specific fuel transfer procedures. All spills, no matter what the size, will be recorded and cleaned up as required by ADEC regulations. Agency spill reporting will be completed as described in the Oil Discharge Prevention and Contingency Plan and Spill Prevention, Control and Countermeasure Plans. Alaska Clean Seas will be Narwhal's Primary Response Action Contractor.

5.0 WASTE

Narwhal has prepared a Waste Management Plan (WMP) to address handling, treatment, and disposal of various potential wastes from Narwhal's temporary ice road/trail, ice pads, and off-road travel activities. The WMP is a supporting document for proper waste management that is necessary for worker health and safety, environmental and wildlife protection, and regulatory compliance.

Table 1. Location of Project Components

Project Components	Meridian	Township	Range	Section
Ice Roads/Trails	Umiat	15N	2W	16, 17, 20-23, 25-27, 36
		15N	1W	28-32
		14N	2W	1
		14N	1W	2-6, 8, 10-12
		14N	1E	13, 14, 15
		14N	2E	16-18, 21, 28, 33
		13N	1E	13-16, 21-24
		13N	2E	4, 9, 16-22, 25-28, 34-36
		13N	3E	31-32
		13N	4E	23-29, 31, 32
		13N	5E	1, 2, 10-12, 15, 19-22
		13N	6E	1-6, 11, 12
		13N	7E	5-9, 15, 16, 22, 23, 25, 26, 35, 36
		13N	8E	12-14, 22-24, 26-28, 31-34
		13N	9E	5-8, 18
		12N	3E	2-5, 10-12
		12N	4E	5-7

Table 3. Location of Project Components (Con'td.)

Project Components	Meridian	Township	Range	Section
Ice Pad 14	Umiat	15N	1W	28
Ice Pad 2		15N	1W	30
Ice Pad 13		15N	2W	27
Ice Pad 4		13N	2E	21
Oliktok Point Ice Pad		13N	9E	5