



# North Slope Borough

Department of Planning and Community Services

## Form 100 - Industrial Development & Use Permit Application

Oil & Gas, Mining, and Other Industrial Development and Land Uses

### PART 1 - APPLICANT INFORMATION

New Permit No. \_\_\_\_\_  Renewal of NSB Permit No. \_\_\_\_\_  Amendment to NSB Permit No. \_\_\_\_\_

Application Date: \_\_\_\_\_ Proposed Start Date: \_\_\_\_\_ Completion Date: \_\_\_\_\_ Date Received at NSB: \_\_\_\_\_

Reason for Amendment: \_\_\_\_\_

Project Name: \_\_\_\_\_

Field Name and Drillsite Name: \_\_\_\_\_

Project Location: Township(s), Range(s), Section(s) enter list in box below.

Project Location: Zoning District(s): \_\_\_\_\_

Date of Application: \_\_\_\_\_ Proposed Start Date: \_\_\_\_\_ Expected Completion Date: \_\_\_\_\_

Was a Pre-Application Meeting Held? (meetings are mandatory)  Yes Date(s) Held: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

#### Applicant Information

Applicant Name: \_\_\_\_\_ Title: \_\_\_\_\_

Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_ Cell/Satellite Phone: \_\_\_\_\_

Address: \_\_\_\_\_ Fax: \_\_\_\_\_

Address: \_\_\_\_\_ Email: \_\_\_\_\_

#### Approval Type (see instructions regarding approval type)

Administrative Approval (approved by NSB Land Administrator)

Development Permit (approved by NSB Land Administrator)

Conditional Development Permit (approved by NSB Planning Commission or Barrow Zoning Commission)

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**PART 2 – OTHER APPROVALS RELEVANT TO THIS APPLICATION**

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NSB Rezoning Ordinances applicable to this application?  Yes  No

Ordinance Name and No.: \_\_\_\_\_ Page Reference(s): \_\_\_\_\_ Date Issued: \_\_\_\_\_

Ordinance Name and No.: \_\_\_\_\_ Page Reference(s): \_\_\_\_\_ Date Issued: \_\_\_\_\_

Existing Master Plan applicable to this application?  Yes  No

Name of NSB Master Plan: \_\_\_\_\_ Page Reference(s): \_\_\_\_\_ Date Issued: \_\_\_\_\_

Name of NSB Master Plan: \_\_\_\_\_ Page Reference(s): \_\_\_\_\_ Date Issued: \_\_\_\_\_

TLUI Clearance issued for this application?  Yes  No Certificate No. \_\_\_\_\_ Date Issued: \_\_\_\_\_

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**PART 3 – PROPERTY INFORMATION**

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Unit (for oil and gas developments): \_\_\_\_\_

**Zone**

Resource Development  Conservation  Village: \_\_\_\_\_

Transportation Corridor  Scientific Research  Barrow Industrial

Other: \_\_\_\_\_

Closest Village(s): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Will proposed uses and developments take place within village area(s) of influence?  No  Yes

If yes, list Village names (s): \_\_\_\_\_

**Property Ownership** – Check all boxes that apply.

NSB  State of Alaska  Federal Government

Native Allotment(s)  ASRC Regional Corporation  Village Corporation \_\_\_\_\_

Other Public Land: \_\_\_\_\_  Other Private Land: \_\_\_\_\_

Name of Legal Agreement to Access Land: \_\_\_\_\_ Date Issued: \_\_\_\_\_

Are you sharing facilities or roads with another operator?  No  Yes If yes, describe in box below

**PART 4 – NEW OR ADDITIONAL DEVELOPMENTS & USES**

Indicate the new developments/uses that are planned by checking all applicable boxes. For permit amendments, only mark the boxes that apply to the new developments/uses that are being proposed. Your Project Scope (Part 2) should provide a detailed explanation of all the uses and developments marked below.

**Mining Operations**

- |                                                  |                                                       |                                                     |
|--------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Coal Mining Exploration | <input type="checkbox"/> Metallic Mineral Exploration | <input type="checkbox"/> Gravel and Rock Excavation |
| <input type="checkbox"/> Coal Mining Operations  | <input type="checkbox"/> Metallic Mineral Operations  | <input type="checkbox"/> Ore Processing Facilities  |
| <input type="checkbox"/> Fuel Storage Tanks      | <input type="checkbox"/> Chemical Storage Tanks       | <input type="checkbox"/> Loading Facilities         |
| <input type="checkbox"/> Other _____             | <input type="checkbox"/> Other _____                  | <input type="checkbox"/> Other _____                |

**Offshore Oil and Gas Operations**

- |                                                             |                                                        |                                                       |
|-------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> Offshore Seismic Exploration       | <input type="checkbox"/> Offshore Exploration Drilling | <input type="checkbox"/> Offshore Production Drilling |
| <input type="checkbox"/> Offshore Oil Production Facilities | <input type="checkbox"/> Offshore Oil Pipelines        | <input type="checkbox"/> Offshore Oil Storage Tanks   |
| <input type="checkbox"/> Offshore Gas Production Facilities | <input type="checkbox"/> Offshore Gas Pipelines        | <input type="checkbox"/> Offshore Fuel Storage Tanks  |
| <input type="checkbox"/> Offshore Loading Terminal          | <input type="checkbox"/> Offshore LNG Facility         | <input type="checkbox"/> Offshore Chemical Tanks      |
| <input type="checkbox"/> Transit in NSB Waters              | <input type="checkbox"/> Resupply/Personnel Transport  | <input type="checkbox"/> Onshore Support              |
| <input type="checkbox"/> Other _____                        | <input type="checkbox"/> Other _____                   | <input type="checkbox"/> Other _____                  |

**Onshore Oil and Gas Operations**

- |                                                            |                                                       |                                                      |
|------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> Onshore Seismic Exploration       | <input type="checkbox"/> Onshore Exploration Drilling | <input type="checkbox"/> Onshore Production Drilling |
| <input type="checkbox"/> Onshore Oil Production Facilities | <input type="checkbox"/> Onshore Oil Pipelines        | <input type="checkbox"/> Onshore Oil Storage Tanks   |
| <input type="checkbox"/> Onshore Gas Production Facilities | <input type="checkbox"/> Onshore Gas Pipelines        | <input type="checkbox"/> Onshore Fuel Storage Tanks  |
| <input type="checkbox"/> Onshore Refinery                  | <input type="checkbox"/> Onshore LNG Facility         | <input type="checkbox"/> Onshore Chemical Tanks      |
| <input type="checkbox"/> Other _____                       | <input type="checkbox"/> Other _____                  | <input type="checkbox"/> Other _____                 |

**Indicate the number of wells planned in each of the following categories.**

Onshore Wells: Exploration \_\_\_\_\_ Production \_\_\_\_\_ Sidetracks \_\_\_\_\_ Injection \_\_\_\_\_ Disposal \_\_\_\_\_ Monitoring \_\_\_\_\_

Offshore Wells: Exploration \_\_\_\_\_ Production \_\_\_\_\_ Sidetracks \_\_\_\_\_ Injection \_\_\_\_\_ Disposal \_\_\_\_\_ Monitoring \_\_\_\_\_

**Other Industrial Development, Support Facilities, Support Operations, and Emission Sources**

- |                                                              |                                                          |                                                     |
|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Warehouse(s) and Storage Facilities | <input type="checkbox"/> Staging Location(s)             | <input type="checkbox"/> Maintenance & Repair Shops |
| <input type="checkbox"/> Office Building(s)                  | <input type="checkbox"/> Residential Camp(s)             | <input type="checkbox"/> Dredging                   |
| <input type="checkbox"/> Water Withdrawal                    | <input type="checkbox"/> Fill Placement                  | <input type="checkbox"/> Radioactive Material Use   |
| <input type="checkbox"/> Heavy/Construction Equipment        | <input type="checkbox"/> Communications Equipment/Towers | <input type="checkbox"/> Waste Handling Facilities  |
| <input type="checkbox"/> Air Emission Sources                | <input type="checkbox"/> Water Discharge Sources         | <input type="checkbox"/> Personnel Transport        |
| <input type="checkbox"/> Other _____                         | <input type="checkbox"/> Other _____                     | <input type="checkbox"/> Other _____                |

**Transportation Methods and Facilities**

- |                                                             |                                                             |                                                         |
|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|
| <input type="checkbox"/> Plane(s)                           | <input type="checkbox"/> Vessel(s)                          | <input type="checkbox"/> Truck(s) and On-Road Equipment |
| <input type="checkbox"/> Helicopters(s)                     | <input type="checkbox"/> Rolligon(s)                        | <input type="checkbox"/> ATVs or Snowmachine(s)         |
| <input type="checkbox"/> Gravel Road(s)                     | <input type="checkbox"/> Gravel Runway(s)                   | <input type="checkbox"/> Gravel Pad(s)                  |
| <input type="checkbox"/> Ice Road(s)                        | <input type="checkbox"/> Ice Runway(s)                      | <input type="checkbox"/> Ice Pad(s)                     |
| <input type="checkbox"/> OCS Vessels Docking at NSB Port(s) | <input type="checkbox"/> Barge/Vessel Transit in NSB Waters | <input type="checkbox"/> Tundra Travel                  |
| <input type="checkbox"/> Railroad                           | <input type="checkbox"/> Heliport                           | <input type="checkbox"/> Other _____                    |

**Associated Studies and Field Work**

- |                                                                       |                                                                              |                                                    |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------|
| <input type="checkbox"/> Wildlife/Habitat                             | <input type="checkbox"/> Subsistence                                         | <input type="checkbox"/> Land Surveying or Mapping |
| <input type="checkbox"/> Air, Water, or Soil Study                    | <input type="checkbox"/> Rehabilitation or Cleanup                           | <input type="checkbox"/> Geological Survey         |
| <input type="checkbox"/> Ice or Permafrost Study                      | <input type="checkbox"/> Socio-Economic                                      | <input type="checkbox"/> Other Engineering         |
| <input type="checkbox"/> Other Archeological or Paleontological Study | <input type="checkbox"/> Other Geotechnical, Meteorological, or Hydrological |                                                    |
| <input type="checkbox"/> Other: _____                                 |                                                                              |                                                    |

**Crude Oil, Fuel and Chemical Storage (Storage tanks >660 gallons requires 110% secondary containment)**

- |                                               |                           |                                |                              |
|-----------------------------------------------|---------------------------|--------------------------------|------------------------------|
| <input type="checkbox"/> Crude Storage        | Quantity: _____ (gallons) | Distance to water _____ (feet) | 110% Containment Type: _____ |
| <input type="checkbox"/> Diesel Fuel Storage  | Quantity: _____ (gallons) | Distance to water _____ (feet) | 110% Containment Type: _____ |
| <input type="checkbox"/> Gas Storage          | Quantity: _____ (gallons) | Distance to water _____ (feet) | 110% Containment Type: _____ |
| <input type="checkbox"/> Aviation Gas Storage | Quantity: _____ (gallons) | Distance to water _____ (feet) | 110% Containment Type: _____ |
| <input type="checkbox"/> Chemical Type _____  | Quantity: _____ (gals.)   | Distance to water _____ (ft)   | Containment Type: _____      |
| <input type="checkbox"/> Chemical Type _____  | Quantity: _____ (gals.)   | Distance to water _____ (ft)   | Containment Type: _____      |
| <input type="checkbox"/> Chemical Type _____  | Quantity: _____ (gals.)   | Distance to water _____ (ft)   | Containment Type: _____      |

**PART 5 – UTILITIES AND SERVICES**

**Waste Disposal Method\*** (check all boxes that apply)

- |                                              |                                                  |                                                   |
|----------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> NSB Service Area 10 | <input type="checkbox"/> Village/City Collection | <input type="checkbox"/> Applicant Owned Facility |
| <input type="checkbox"/> Incinerate Onsite   | <input type="checkbox"/> Other _____             | <input type="checkbox"/> Other _____              |

**Water Source\*** (check all boxes that apply)

- |                                              |                                                  |                                                   |
|----------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> NSB Service Area 10 | <input type="checkbox"/> Village/City Collection | <input type="checkbox"/> Applicant Owned Facility |
| <input type="checkbox"/> Snow/Ice Chips      | <input type="checkbox"/> Lakes                   | <input type="checkbox"/> Ocean                    |
| <input type="checkbox"/> Other: _____        |                                                  |                                                   |

\* Development/uses within the NSB Service Area 10 must use Service Area 10 water, sewer, and waste disposal services unless other arrangements are approved by the NSB Mayor.

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## PART 6 – REQUIRED ATTACHMENTS TO THE APPLICATION FORM

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The following must be attached to all applications. See instructions for additional information.

1. **Maps:**
  - (a) General vicinity map showing villages within 100 miles;
  - (b) Site-specific location map showing township, range, and section; nearby existing development; natural features; and zoning boundaries;
  - (c) Map drawn to an appropriate scale showing the proposed development footprint, and any required buffer zone around critical sites;
  - (d) Maps showing any roads and pipelines;
  - (e) Maps showing land ownership (including private, government, and Native land ownership);
  - (f) Maps showing subsistence use areas and wildlife habitat areas;
  - (g) Maps showing tundra travel, seismic survey lines, vessel traffic routes, air traffic routes and other transportation routes; and,
  - (h) Ice hazard maps for offshore areas.
2. **Application Scope:** A detailed written description of the proposed development.
3. **Contact Information:** A list of contact information for all affected local, state, and federal governments, private landowner, Regional Corporations, Village Corporations, tribes, and Native Allotment Owners.
4. **Land Owner Authorization:** A copy of the landowner letter of non-objection to use the land in your project area.
5. **Permit Information:** A list of any tribal, state, and federal authorizations and permits required for your development/use and the approval status at the time of your NSB application.
6. **Drawings:** Design plans (plot plans); pipeline elevations, cross sections, and profiles; and other drawings as appropriate to the project.
7. **Photographs:** (a) Aerial photographs, and other photos of equipment, location, and sensitive areas; and, (b) photographs identifying names or numbers of any aircraft, vessels, or transportation equipment associated with the project.
8. **Master Plan and Rezoning Ordinances:** An electronic copy of the Master Plan and Rezoning Ordinances that apply to your project. Indicate the relevant pages where the proposed development is indicated on an approved Master Plan or in the Rezoning Ordinance.
9. **Wildlife Interaction Plan:** A written plan for avoiding interactions with polar bears, grizzly bears, and other species in the project area.
10. **Water Use and Waste Management Plan:** A written plan describing how you will obtain water and dispose of waste. List the location of the water, snow, and ice chip sources.
11. **Subsistence Plan:** Describe plans to mitigate subsistence impacts, including information on subsistence representative(s) hired.
12. **Transportation Plan:** Describe all transportation equipment that will be used for this project including: fixed wing aircraft and helicopter tail numbers; vessel make, model and length; and on-road vehicle or heavy equipment makes and models. Provide travel routes and any changes to those routes during the year. The plan should be designed to minimize impacts to subsistence activities.
13. **Emergency and Medical Plan:** A written plan indicating how you will provide for safety and health care in the event of an emergency.
14. **Relevant Studies, Study Plans:** A copy of completed studies applicable to the project and plans for conducting any studies associated with the application or project.
15. **Economic Development Plan:** Conditional Development Permit Applications must be accompanied with a plan showing the contribution of the project to the local economy and local hire.
16. **Offshore Drilling Plans:** If offshore drilling is planned, a Conditional Development Permit Application is required and the Applicant must submit:
  - (a) **Relief Well Drilling Plan** discussing suitable alternative drilling rigs and their locations; identify alternative relief well drilling sites; support equipment and supplies including mud, casings and gravel supplies which could be used in an emergency, and the estimated time required to commence drilling and complete a relief well.
  - (b) **Emergency Countermeasure Plan** identifying the steps which will be taken to protect human life and minimize environmental damage in the event of loss of a drilling rig; ice override; or loss or disablement of support craft or other transportation systems.
  - (c) **Plan for Monitoring/Safety System** showing that wells can be secured in the case of unexpected geophysical hazards.
17. **Oil Spill Trajectory Map:** A worst-case oil spill trajectory map showing the largest potentially impacted area.
18. **Spill Prevention & Response Plan:** Provide a copy of the plan to respond to crude oil, fuel and chemical spills, or the name of the plan if it has already been provided to NSB. Approval of the Applicant' oil spill prevention and response plan must be obtained prior to drilling, storing hydrocarbons, or producing hydrocarbons offshore or onshore near the coastline or major river system where a spill could reach or affect marine waters.
19. **Reclamation Plan:** A plan that meets the requirements of NSBMC § 19.30.070(B).
20. **Surety/Bond:** Proof of a surety or bond may be required per NSBMC § 19.30.070(A) sufficient to provide funds for reclamation or mitigation.
21. **Insurance:** A copy of insurance required by NSB.
22. **Form 100 Supplement (Chapter §§ 19.60 and 19.70 Analysis):** This additional analysis is required for all Conditional Development Permit Applications. Please fill out the Form 100 Supplement and attach it to your application.
23. **Fees:** A check made payable to the North Slope Borough for the application fee.

Submit one signed hard copy with a check for the fee payment, one electronic version (pdf) and all attachments, and one GIS map file.

**Mail Application To:**

NORTH SLOPE BOROUGH, DEPARTMENT OF PLANNING AND COMMUNITY SERVICES  
LAND MANAGEMENT ADMINISTRATOR  
PO BOX 69,  
BARROW, ALASKA 99723  
PHONE: (907) 852-0320

I HEREBY CERTIFY THAT THE FOREGOING IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. ALL APPLICATION MATERIAL IS CONSIDERED PART OF THE PERMANENT NSB RECORDS FOR THIS PROJECT. I HEREBY AGREE TO DEFEND, INDEMNIFY AND HOLD THE NORTH SLOPE BOROUGH HARMLESS FROM ANY AND ALL CLAIMS, DAMAGES, SUITS, LOSSES, LIABILITIES AND EXPENSES RELATED TO THE INJURY TO OR DEATH OF PERSONS AND DAMAGE TO OR LOSS OF PROPERTY ARISING OUT OF OR IN CONNECTION WITH THE ENTRY ON AND USE OF PROPERTY WITHIN THE NORTH SLOPE BOROUGH BOUNDARIES BY ME, THE COMPANY I REPRESENT, AND ANY AND ALL OF MY CONTRACTORS, SUBCONTRACTORS AND THEIR EMPLOYEES INVOLVED.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title

<b>FEE PAID</b>	<input type="checkbox"/>	Administrative Approval Permit	\$1,500
	<input type="checkbox"/>	Development Permit	\$2,000
	<input type="checkbox"/>	Conditional Development Permits	\$3,000
	<input type="checkbox"/>	Special Planning Commission Meeting	\$12,000
	<input type="checkbox"/>	Well Fees; Total Number of Wells (including sidetracks) _____	\$500/well
<b>Total Fees Paid</b>			<input type="text"/>

**DECISION BY THE NSB LAND MANAGEMENT ADMINISTRATOR**

- ADMINISTRATIVELY APPROVED       DEVELOPMENT PERMIT APPROVED  
 PERMIT ELEVATED                       PERMIT DENIED

\_\_\_\_\_  
**NSB Land Management Administrator**

\_\_\_\_\_  
**Date**

Pursuant to NSBMC § 19.30.130, you, including the developer, may appeal this decision by serving written notice to the secretary of the North Slope Borough [Barrow Zoning/Planning] Commission at P.O. Box 69, Barrow, Alaska 99723 and the developer within 30 days of receiving this decision. The notice shall state the reasons you believe the decision of the NSB Land Management Administrator is incorrect.

**DECISION BY THE NSB PLANNING COMMISSION OR BARROW ZONING COMMISSION**

- APPROVED                                       PARTIALLY APPROVED  
 MODIFICATION APPROVED               DENIED

\_\_\_\_\_  
**Commission Chairman**

\_\_\_\_\_  
**Date**

Pursuant to NSBMC § 19.30.140, you, including the developer, may appeal this decision by submitting written notice to the Assembly, c/o Borough Clerk, P.O. Box 69, Barrow, Alaska, 99723 within 30 days of the receipt of this decision, stating the reasons you believe the decision is incorrect. The Assembly's decision is the Borough's final decision and may be appealed to the Superior Court in accordance with Alaska law and NSBMC § 2.28.260.