



APPLICATION FOR LAND USE PERMIT

Privacy Act Statement

The information you provide in this document is collected under the authority of the *Territorial Land Use Regulations* for the purpose of responding to your application for land use permit. Information on individuals is used by Aboriginal Affairs and Northern Development Canada Land Administration employees who need to know the information in order to respond to your request and/or the program requirements. We share the information you give us with First Nations, Aboriginal groups and Inuit, Territorial and Federal Government Expert Agencies and Public Government Institutions. The personal information will be retained 6 years after the last administrative use and then destroyed. Individuals have the right to the protection of and access to their personal information under the *Privacy Act* <http://lois.justice.gc.ca/en/P-21/index.html>.

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Application Fee	Land Use Fee	General Receipt No.	Date (YYYYMMDD)	Class	Permit Number
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To be completed by all applicants New Application Amendment

1. Applicant's Name and Mailing Address (Full name, no initials)			Facsimile Number
Rodney Watson Department of National Defence 101 Colonel By Drive, Ottawa, ON K1A 0K2			Telephone Number 613 943-8277
2. Head Office Address			Facsimile Number
			Telephone Number
Field Supervisor	Radio Telephone	E-Mail Address	Telephone Number
Tamara Van Dyck (DCC)		Tamara.VanDyck@dcc-cdc.gc.c	613 995-9741

3. Other Personnel (Subcontractor, Contractors, Company Staff, etc.)

Tamara Van Dyck (DCC)
101 Colonel By Drive
Ottawa, ON K1A 0K2

Total ▶

4. Qualifications

Refer to Section 21 of the *Territorial Land Use Regulations* Number(s) exploration permit mineral claims (if applicable)

a(i) a(ii) a(iii) b c

5. a) Summary of Operation (Describe purpose, nature and location of all activities.)

Refer to Section 22(2)(b) of the *Territorial Land Use Regulations* (Use last page of form if necessary.)

This Land Use Permit is required to facilitate the application for a Quarry Permit; the quarry material is required for the construction of the Nanisivik Naval Facility (NNF). The construction/operational site for the NNF is on DFO owned land and no Land Use Permit will be required for the use of the actual construction site, however, the quarry site is located on land that is under the care of AANDC, it is for this site that we are requesting a Land Use Permit.

b) Please indicate if a camp is to be set up (Use last page to provide details.)

no camp will be set up on this land

6. Summary of potential environmental and resource impacts

(Describe the effects of the proposed program on land, water, flora and fauna and related socio-economic areas.)
(Use separate pages if necessary.)

To minimize potential environmental effects with respect to the quarry, the project will follow common industry practices, including those listed in the AANDC Guidelines for Northern Pits and Quarries. Mitigation will include;

-The area for borrow will be kept to the minimum required to construct the project and will be concentrated as much as possible to limit the area of disturbance.

-Overburden and granular materials will be tested for acid rock drainage and metal leaching potential and, if found, these areas will be avoided. If they cannot be avoided, specialized disposal procedures for sulphide-bearing rock will be developed (e.g., immediate disposal upon excavation, placement in covered holding areas until final disposal).

...continued on last page

7. Proposed Restoration Plans (Please use last page if required.)

The contractor will follow AANDC Guidelines for Northern Pits and Quarries. The Contractor who is awarded the contract to construct the Nanisivik Naval Facility will be required to prepare a Quarry Development Plan and a Quarry Abandonment and Restoration Plan. When DND has received the the final versions of these plans they will be forwarded to AANDC from their records.

8. Other rights, licences or permits related to this permit application (Mineral claims, Yukon timber permits, water licences, etc.) (Please use last page if required.)

This project currently has an application for approval for the use of water or deposit of waste without a licence; this requirement is in compliance with Schedule 3, Column 2, of the Nunavut Waters Regulations SOR/2013-69 for the storage of fuel on site is considered an industrial activity. This project will also be applying for a Quarry Permit to provide aggregate from an existing on site quarry.

Roads Is this to be a pioneered road? Has the route been laid out or ground truthed?

9. Proposed Disposal Methods (Please use last page if required.)

a) Garbage N/A	b) Sewage (Sanitary and Grey Water) N/A
c) Brush and Trees N/A	d) Overburden (Organic soils, waste material, etc.) N/A

10. Equipment (Includes drills, pumps, etc.) (Please use last page if required.)

Type and Number	Size	Proposed Use
Heavy earth-moving equipment	TBD by successful Contractor	Excavation, grading, moving of aggregate
Trucks and ATV's	TBD by successful Contractor	Transportation

Fuels	Number of Containers	Capacity of Containers
<input type="checkbox"/> Diesel		
<input type="checkbox"/> Gasoline		
<input type="checkbox"/> Aviation Fuel		
<input type="checkbox"/> Propane		
<input type="checkbox"/> Other: _____		

12. Containment Fuel Spill Contingency Plans (Please attach separate contingency plan if necessary.)

A Fuel Spill Contingency Plan will be forwarded to AANDC once the contract for this work has been awarded; the Contractor who is awarded this contract will be required to create the Fuel Spill Contingency Plan specifically for the construction of the Nanisivik Naval Facility. The storage and transfer of fuel will be in accordance with all legislation, regulations, guidelines and permit requirements. All on site employees will be trained in fuel storage, transfer and spill response. All necessary spill response equipment and materials will be readily available. A copy of the current project Spill Contingency Plan and the contract specification for a Spill Contingency Plan (to be developed by the successful contractor) have been attached.

13. Methods of Fuel Transfer (To other tanks, vehicles, etc.)

Fuel that is contained in barrels will be transferred using hand pumps. Mobile equipment for the most part will refuel from the fuel storage tanks using a portable gas powered pump. For equipment that is not as mobile or for where it makes more sense to refuel in place, a mobile refueling truck may be utilized. All fuel will be stored on the DFO owned land.

14. Period of Operation (Includes time to cover all phases of project work applied for, including restoration.)
The construction of the Nanisivik Naval Facility, a deep water berthing and refuelling facility will begin in August 2014 when the Contractor mobilizes to the site. The majority of work will be carried out between 2015-2017, with the commissioning of the equipment and de-mobilization in 2018. The operation of this facility by the Government of Canada is expected to carry forward until 2067.

15. Period of Permit (Up to two years, with maximum of one year extension.)
two years

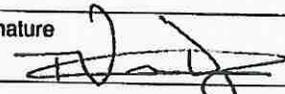
Start Date (2014:08:01)	Completion Date (2018:09:30)
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16. Location of activities by map co-ordinates (Attach maps and sketches.)

Minimum Latitude	Degrees	Minutes	Seconds	Minimum Longitude	Degrees	Minutes	Seconds
▶ 73		2	53.9736	▶ 84		30	50.0402
Maximum Latitude	Degrees	Minutes	Seconds	Maximum Longitude	Degrees	Minutes	Seconds
▶ 73		2	59.6004	▶ 84		31	06.2547

Map Sheet Number

17. Applicant (Print Full Name) | Signature | Date

TAMARA VAN DYCK (FOR RODNEY WATSON) |  | 28/04/07

18. Fees

<input checked="" type="radio"/> Class A - \$150.00 <input type="radio"/> Class B - \$150.00	▶	\$150.00
Land Use Fees: Less than or equal to 2 hectares	▶ \$50.00	\$ 50.00
For each additional hectare over 2 hectares or portion of a hectare	▶ X \$50.00 =	
Total application and land use fees	▶	

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19. Calculation of area involved (Includes access, staging areas, airstrips, campsites, etc.)

Total Area (Ha)	Less than or equal to 2 hectares	Total (For Fee Calculation)

20. Application Checklist

<input type="checkbox"/> a) Application Signed and Dated	<input type="checkbox"/> e) Screening Report
<input type="checkbox"/> b) Fees Attached	<input type="checkbox"/> f) Timber Permit Applied for - Yukon
<input type="checkbox"/> c) Map Included	<input type="checkbox"/> g) Fees Attached
<input type="checkbox"/> d) Address and Telephone Number	<input type="checkbox"/> h) Lease Applied for

Remarks (Please use last page if additional space is required.)

Accepted by _____ Date (YYYYMMDD)

21. Additional Information (Attach additional pages if necessary.)

Please see attached site diagrams

6. continued...

-Natural drainage patterns will be maintained.

-Erosion control measures (e.g., silt fencing, riprap) will be used to control erosion and sediment deposition.

-To prevent permafrost degradation, in-pit water will be minimized by directing surface water away from the site and ice-rich material will be thawed at a location where meltwater will not re-enter the pit.

-Borrow areas will be regularly inspected to eliminate unstable slopes and depressions and restore natural drainage patterns.

-Dust suppression methods (e.g., water) will be implemented.

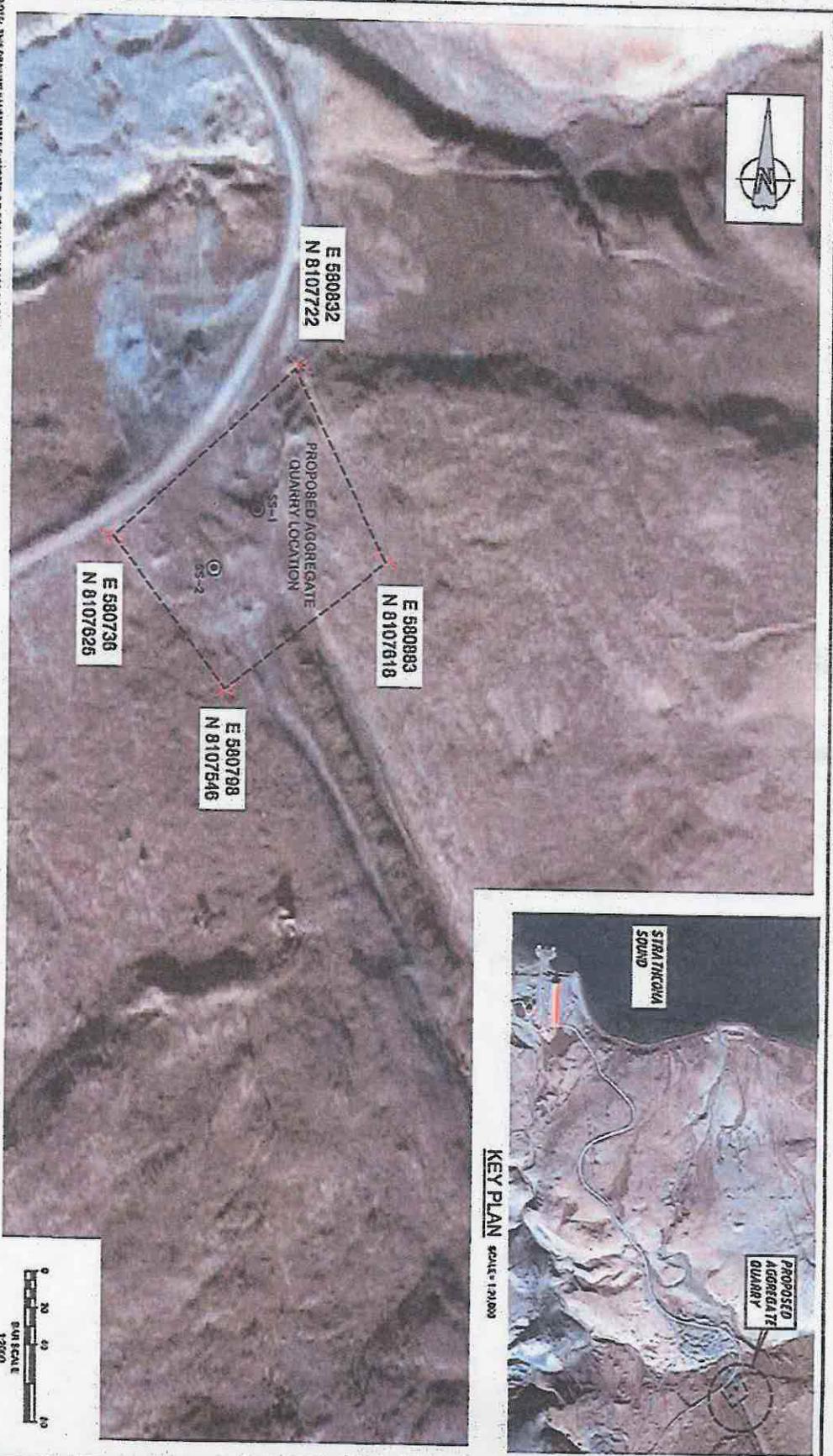
-Storage, handling, transportation and preparation and use of explosives, if required, will follow all applicable guidelines and regulations.

A full analysis of the potential environmental and resource impacts of this project were documented in the Nunavut Impact Review Board Part II Submission (file: 09DN018). All mitigating measures outlined and approved within the submission have been incorporated into all project planning.

Flora and fauna impacts will be minimized; project site is on previously disturbed and developed land, contractors will be required to develop general guidelines and training for any wildlife encounters, which will include appropriate procedures and measures to prevent harm to wildlife during construction. Any activities that have the potential to impact wildlife migration or calving will cease until the threat to wildlife has passed. Appropriate storage, handling and disposal of waste will be implemented to avoid interactions with wildlife.

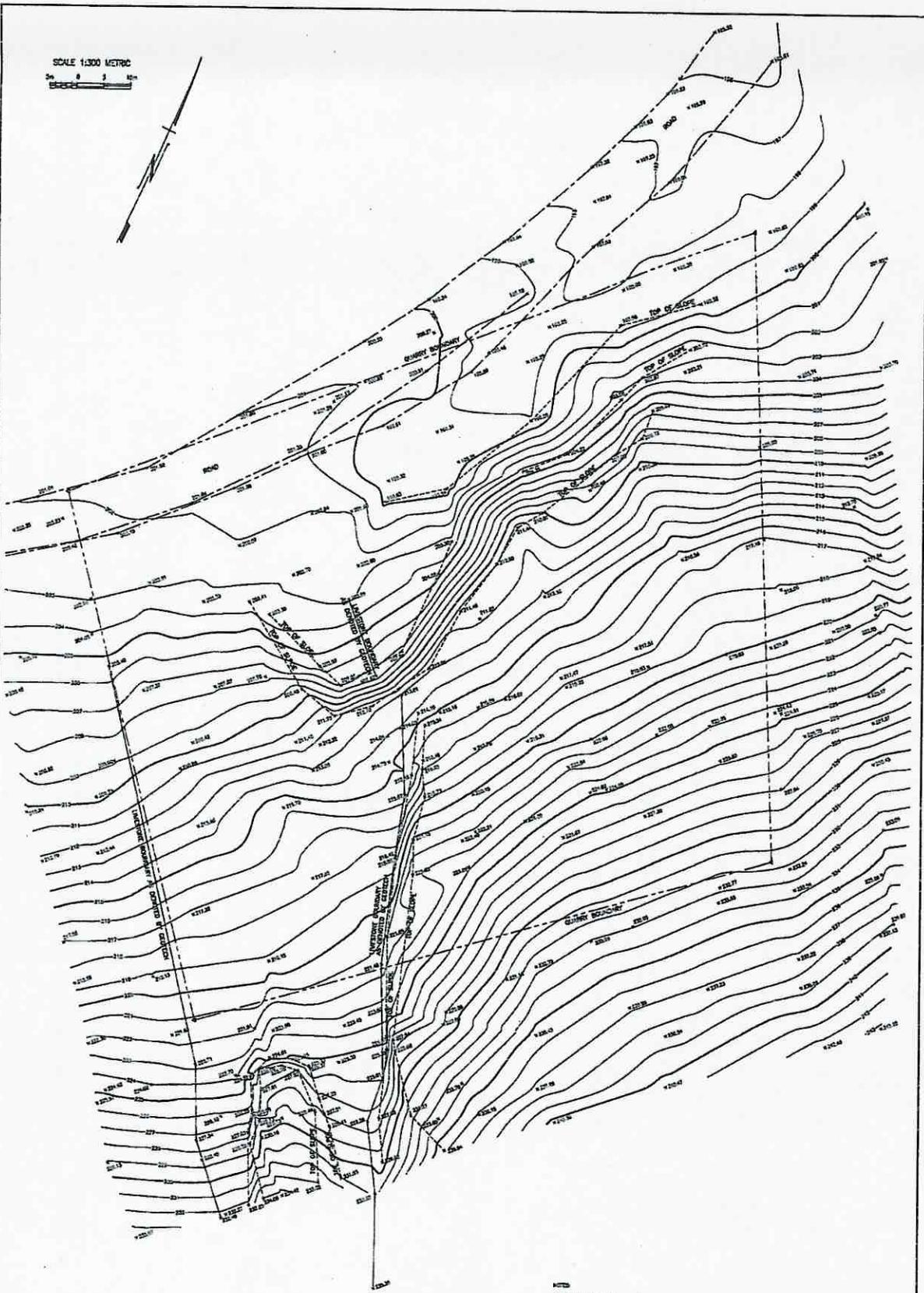
An archaeological assessment was conducted of the project site in 2008 by Points West Heritage Consulting Ltd. Points West Heritage Consulting Ltd. determined that no archaeological sites were found within the project area, and that there is little likelihood of encountering intact archaeological sites within the project area.

This project will have a construction camp on the DFO owned land that is self-sufficient with no requirements for policing, medical, fire response or solid waste disposal from the community of Arctic Bay. An agreement with the community of Arctic Bay will be in place for potable water supply source and wastewater disposal site.



<p>NOTES: THIS DRAWING IS A PRELIMINARY SKETCH AND IS NOT TO BE USED FOR CONSTRUCTION PURPOSES. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AUTHORITIES.</p>	
<p>Client: NANISVIK LIMITED PARTNERSHIP AND ASSOCIATED ENTERPRISES</p>	<p>Job No.: 121812100</p>
<p>Project: NANISVIK NAVAL FACILITY PROJECT</p>	<p>Date: 2012/08/28</p>
<p>Site Address: NANISVIK, NUUNAVUT</p>	<p>Drawn By: BSP</p>
<p>Project: NANISVIK NAVAL FACILITY PROJECT</p>	<p>Scale: 1:2500</p>
<p>Project: GEOTECHNICAL INVESTIGATION</p>	<p>Client: GOOGLE EARTH / IMAGENY</p>
<p>Project: PROPOSED AGGREGATE QUARRY LOCATION</p>	<p>Figure No.: 2.3</p>





NOTES
 CONTOUR INTERVAL = 1m
 DIMENSIONS SHOWN SHALL BE AS SHOWN
 NAUTICAL REFERENCE INDICATED BY
 NEW SCALE NAD 83 COORDINATES & OCCASIONAL CROSS OPERATIONAL POINTS SHALL BE
 SURVEY DATE AUGUST 8, 2013

UNDERHILL GEOMATICS LTD. CONSULTING & SERVICES 2880-508 BRIDGEWAY AVENUE BRIDGEVIEW, A.B. T6C 2R4 TEL: 781 778-2288 FAX: 781 778-4222 FILE NO. 10103-02-01-01-0000 C.S. 1010 Pg. 2 of 4		DRAWN BY A.S./J.L. DATE 1.03.13	JOB NO. 198115A DATE AUG. 8, 2013	TITLE TOPOGRAPHIC SURVEY OF UPPER QUARRY NAUVISKE NAVAL FACILITY CLIENT WORLEYPARSONS	DRAWING NO. H-1984E SHEET 1 OF 1
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