**Project application #124674Geotechnical and Environmental Baseline Studies – Pond Inlet Small Craft Harbour Development**

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| --- | --- |
| **Application Type:** | New |
| **Project Type:** | Research |
| **Application Date:** | 2016-06-09 |
| **Period of Operation:** | From 2016-07-01 to 2017-09-30 |
| **Proposed Authorization:** | From 2016-07-01 to 2017-09-30 |

|  |  |
| --- | --- |
| **Project proponent:**  | Marie CardonaAdvisian600-4321 Still Creek DriveBurnaby BC V5C6S7CanadaTel: 778-945-5205, fax:  |

**Non-technical project proposal description**

|  |  |
| --- | --- |
| English: |  |
| French: | French not included. |
| Inuktitut: |  |

**Project activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Location** | **Activity Type** | **Land Status** | **Site History** | **Site Archaeological or Palentological Value** | **Proximity to the nearest communities and any protected areas** |
| General Site Location | Other | Municipal | Reconnaissance investigations in support of the Pond Inlet small craft harbour development have previously been conducted at the site. | No archaeological/palaeontological historical sites have been found at the site. The study team will abide by any terms and conditions for the protection of archaeological and palaeontological resources provided by the Department of Culture and Heritage. | The proposed geotechnical and environmental baseline studies will be conducted on land in the community of Pond Inlet and in the marine areas in proximity to the community. The study area encompasses Crown, Municipal, and Commissioner’s Lands. |

**Project Authorizations**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Authorizing Agency** | **Authorization Description** | **Current Status** | **Date Issued / Applied** | **Expiry Date** |
| Fisheries and Oceans Canada | Licence to Fish for Scientific Purposes | Not Yet Applied |  |  |
| Nunavut Research Institute | Registration | Applied, Decision Pending |  |  |
| Indigenous and Northern Affairs Canada | Class "A" Land Use Permit | Not Yet Applied |  |  |
| Nunavut Water Board | Authorization or Type "B" Water Licence | Not Yet Applied |  |  |

**Community Involvement and Regional Benefits**

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| --- | --- | --- | --- |
| **Community** | Name | **Organization** | **Date Contacted** |

**Equipment to be used (including drills, pumps, aircraft, vehicles etc.):**

|  |  |  |  |
| --- | --- | --- | --- |
| **Equipment Type** | **Quantity** | **Size - Dimensions** | **Proposed Use** |
| Drill rig | 1 | Standard - Approx weight 2.5 tons | Geotechnical studies - Borehole drilling and Cone Penetration Testing |
| Support vehicle | 1 | Pick-up truck or equivalent | Field crew and supplies transport |
| Small motorboat | 1 | Standard - approx. length 7.6 metres | Environmental baseline studies |

**Detail Fuel and Hazardous Material Use:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Fuel / Material** | **Type** | **Number of Containers** | **Container Capacity** | **Total Amount** | **Units** | **Proposed Use** |
| Diesel | fuel | 1 | 100 | 100 | Liters | Fuel for drill rig |
| Diesel | hazardous | 1 | 100 | 100 | Liters | Equipment operations |
| Hydraulic oil | hazardous | 1 | 5 | 5 | Liters | Equipment maintenance |
| Petrol | hazardous | 1 | 50 | 50 | Liters | Drilling |
| Anti-freeze | hazardous | 1 | 10 | 10 | Liters | Equipment operations |
| Drill grease | hazardous | 1 | 5 | 5 | Liters | Equipment operations |
| Sample preservative (in sample bottles) | hazardous | 1 | 1 | 1 | Liters | Sample preservation |

**Types of Waste Associated with the Proposed Project Activities:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project Activity** | **Type of Waste** | **Projected Amount Generated** | **Method of Disposal** | **Additional Treatment Procedures** |
| Other | Overburden (organic soil, waste material, tailings) | Five cubic metres | Spread on seafloor | N/A |
| Other | Sewage (human waste) | 1 cubic metre | Portable toilet | Municipal facility |

**Project Water Consumption:Description of Existing Environment: Physical Environment**

**Description of Existing Environment: Biological Environment**

**Description of Existing Environment: Socioeconomic Environment**

**Identification of Impacts and Proposed Mitigation Measures**

**Cumulative Effects**

|  |  |  |
| --- | --- | --- |
| **Daily Amount (m3)** | **Proposed Water Retrieval Methods** | **Proposed Water Retrieval Location** |
| 2 | Drill water will be sourced from the municipality and/or pumped from the sea | Location for sourcing water to be confirmed by successful contractor |

**TABLE 1 - IDENTIFICATION OF ENVIRONMENTAL IMPACTS**
(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

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| --- |
| **CONSTRUCTION** |
| **OPERATION** |
| **DECOMMISSIONING** |