**Project Overview**

Type of application: **New**

|  |  |
| --- | --- |
| Proponent name: | Kailey Wright |
| Company: | Northern Energy Capital |

**Schedule:**

|  |  |
| --- | --- |
| Start Date: | 2020-04-01 |
| End Date: | 2022-09-30 |
| Operation Type: | Annual |

**Project Description:**

Infrastructure investments in clean energy can create exciting environmental, social and economic benefits that make a real difference in the way we produce to energy today and for our future generations. The first step in considering the development of a clean energy project is to conduct a detailed exploration and measurement campaign on the resources available. This proposal is for the Installation of meteorological towers just outside Rankin Inlet and Baker Lake. These towers will be used to accurately measure the local resource and the true potential for producing clean energy from wind or solar power.

**Personnel:**

|  |  |
| --- | --- |
| Persons: | 12 |
| Days: | 20 |

**Project Map**

**List of all project geometries:**

|  |  |  |
| --- | --- | --- |
| **ID** | **Geometry** | **Location Name** |
| 5707 | polygon | Baker Lake Site |
| 5712 | polygon | Rankin Inlet Site |

**Planning Regions:**

Kitikmeot

**Affected Areas and Land Types**

Municipal

Settlement Area

Keewatin Planning Region

**Project Land Use and Authorizations**

**Project Land Use**

Scientific Research

Temporary Structures

**Licensing Agencies**

NIRB: Screening Decision Report

NRI: Scientific Research Licence

GN-CGS: 0

GN-CGS: 0

TC: 0

TC: 0

**Other Licensing Requirements**
No data found.

**Material Use**

**Equipment**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | **Quantity** | **Size** | **Use** |
| Rock Drill | 1 | small | Used to drill anchors anchors |
| Pickup Truck | 1 | typical | Transportation and Equipment delivery |
| Mini-Excavator | 1 | small | Minor site and foundation preparation |

**Fuel Use**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type** | **Container(s)** | **Capacity** | **UOM** | **Use** |
| Propane | 1 | 20 | Lbs | The met tower instruments will be energized by solar power with a small propane generator as backup. The fuel is propane with about 20 lbs stored on site in a Transport Canada approved Tidy Tank. |
| Gasoline | 0 | 0 | Kg | Typical use in vehicles. Not stored on site. |

**Hazardous Material and Chemical Use**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type** | **Container(s)** | **Capacity** | **UOM** | **Use** |
| None | 0 | 0 | Cubic ft | No waste will be generated on the site during the wind resource assessment. |

**Water Consumption**

|  |  |  |
| --- | --- | --- |
| **Daily Amount (m3)** | **Retrieval Method** | **Retrieval Location** |
| 0 |  |  |

**Waste and Impacts**

**Environmental Impacts**

No waste will be generated on the site during the wind resource assessment or erection of the Meteorological Tower.

**Waste Management**

|  |  |  |  |
| --- | --- | --- | --- |
| **Waste Type** | **Quantity Generated** | **Treatement Method** | **Disposal Method** |
| No data found. |  |