

SECTION 4: NON-TECHNICAL PROJECT PROPOSAL DESCRIPTION

The project activities, their necessity and duration

The Nanisivik Naval Facility (NNF) will be located on federally owned land. The primary objective is to provide a “berthing & refueling facility” for the Royal Canadian Navy (RCN) ships Government of Canada (GOC) vessels, namely the Canadian Coast Guard (CCG), during the navigable season of the year. The facility will have fuel supply capacity for one (1) operating season. The Nanisivik Naval Facility may also be used to receive, marshal, hold and distribute cargo and goods from commercial sea vessels and to provide appropriate shelter, work areas and amenities for personnel during the navigable season of the year only. The facility will be unmanned and shut down from November to June, each year.

Methods of Transportation:

During the construction and operation phases, the primary means of transportation for material and equipment to and from the Nanisivik Naval Facility will be by cargo ship, barge or airplane. Vehicles will be used to and from the site and the Arctic Bay community for transfer, re-supply of goods, and the movement of personnel.

Any structure that will be erected (permanent/temporary)

Permanent structures that will be erected at the Nanisivik Naval Facility include:

1. Berthing Infrastructure (existing berthing facility);
2. Bulk Fuel System;
3. Multipurpose Storage Building;
4. Wharf operator shelter (movable);
5. Secure Material Lay Down Area;
6. Cargo Marshaling Area (existing);
7. Helicopter Landing Area (flat area);
8. Beach Landing and Launching/Recover Area (existing);
9. Flag Mast (located at the wharf);
10. Site Signage;
11. Site Roadway(s) (existing roads);
12. Site Services/Utilities (only during operational events).

Temporary structures during construction (mobilization to demobilization), will consist of a camp with supporting amenities. All structures for the work camps will be transported to the site pre-fabricated; these will be demobilized upon work completion.

The Nanisivik location was selected for the following reasons:

- Convenient steaming distance off the Northwest Passage;
- Offers access to Eastern Arctic (Hudson/Davis Strait) waters;
- Acceptable steaming time from Halifax & St. John’s;
- Good seasonal at-sea presence opportunities;
- Existing berthing infrastructure on federally owned and administered land.

Long-term developments, the projected outcome of the development for the area and its timeline

An objective of the Nanisivik Naval Facility is to build a sustainable relationship with the community of Arctic Bay. During construction and operation, there may be employment opportunities for members of the Arctic Bay community as heavy equipment operators, skilled trades, labour or contractors, and during operation there may be employment opportunities for members of Arctic Bay for facility operation and/or maintenance.

During construction, there will be approximately 50-60 persons occupying the construction camp. During this phase of the project, there will be a requirement for potable water and wastewater

management. If a mutually beneficial agreement can be reached with the Hamlet of Arctic Bay, then it may be possible for the community to provide these services. However, if these services place any kind of burden on the community, then the alternative would be to obtain potable water from the nearby Twin Lakes (previous source of potable water for Nanisivik) and build an on-site sewage lagoon, for the duration of the camp's operation. The construction contractor will ensure the camp is self-sufficient for firefighting and medical services.

During operation, the Nanisivik Naval Facility will only use the small site office currently on site, the need for water and wastewater services will be extremely minimal. Hence, there is no requirement for potable water on site during operations and wastewater will be removed by ships in drums. The facility will be equipped with power generation, passive fire protection systems and first aid facilities. Waste will be 3R (reduce, reuse, and recycle) managed and shipped off-site to southern Canada to an approved disposal facility.

The Nanisivik Naval Facility's infrastructure, excluding the berthing facility, shall have an economic service life of 40 years, all components, services and fixtures will be designed and built for a long-term life-cycle.