PILITAK ENTERPRISES LTD

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WASTE MANAGEMENT PLAN

Arctic Bay Harbour Development

CW2405837

Submitted to:

Public Services and Procurement Canada

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List of abbreviations

Abbreviation	Full Name
CCEMP	Contractor CEMP
DFO	Fisheries and Oceans Canada
EM	Environmental Monitor
HWTSA	Hazardous Waste Temporary Storage Area
NIRB	Nunavut Impact Review Board
NRCan	Natural Resources Canada
NWB	Nunavut Water Board
PEL	Pilitak Enterprises Ltd
PSPC	Public Services and Procurement Canada
SPRP	Spill Prevention and Response Plan
SWF	Solid Waste Facility
TDGR	Transportation of Dangerous Goods Regulations

1. INTRODUCTION

The purpose of this document is to present the waste management plan in detail for the construction project of the new harbour in Arctic Bay, Nunavut.

The construction project was awarded to Pilitak Enterprises Ltd (PEL) in February 2026 by Public Services and Procurement Canada (PSPC) for the Department of Fisheries and Ocean (DFO). At the end of August 2026, heavy equipment, camp facilities and material will be delivered by sealift to Arctic Bay. The project consists mainly of the construction of a new breakwater with fixed wharf, a boat launch ramp, small craft floating docks laydown area and lighting. The new marine infrastructure will be constructed during the summers of 2027, 2028 and 2029 while preparation work will be carried out during the fall of 2026.

This waste management plan addresses the opportunities for reduction, reuse or recycling. This plan is in effect from August 2026 and will be updated accordingly, as needed.

Figure 1: Site locations

1.1 ADDITIONAL DOCUMENTATION

The latest version of the following documents issued for the current project shall be used conjointly with the present Plan:

Document	**Current Revision**
Contract specifications and drawings	Issued for tender
Construction Environmental Management Plan (CEMP)	Rev. 2
Contractor Construction Environmental Management Plan (CCEMP)	Rev-01
Traffic Management Plan	Rev-00
Sediment and Erosion Control Plan	To be submitted for review
Spill Prevention and Response Plan	Rev-00
Health and safety and Emergency Response Plan	Rev-00
Archeological Resource Discovery Plan	To be submitted for review
Wildlife Protection and Monitoring Plan	To be submitted for review

The conditions of the following licences and permits issued for this project shall be complied with:

Permit/licence	
Nunavut Planning Commission (NPC)	No. 149437
Nunavut Impact Review Board (NIRB)	No. 21UN004
Nunavut Water Board (NWB)	8BCABH2125
Fisheries Act Authorization (FAA)	20-HCAA-00155
Environment and Climate Change Canada (ECCC)	PNR-00214-1
Transport Canada (TC)	2021-603772
Natural Resources Canada (NR Can)	To be issued

2. LOCAL DISPOSAL FACILITIES AND RECYCLING

The Hamlet of Arctic Bay operates a small open Solid Waste Facility (SWF) located near the sewage lagoon. As part of the Waste Management Plan, efforts will be made to minimize the use of this facility as much as possible. In cases where the SWF must be used, it is essential to comply with local regulations. Waste is segregated as part of the facility's operations, and the following designated areas shall be used according to the type of waste to be disposed of:

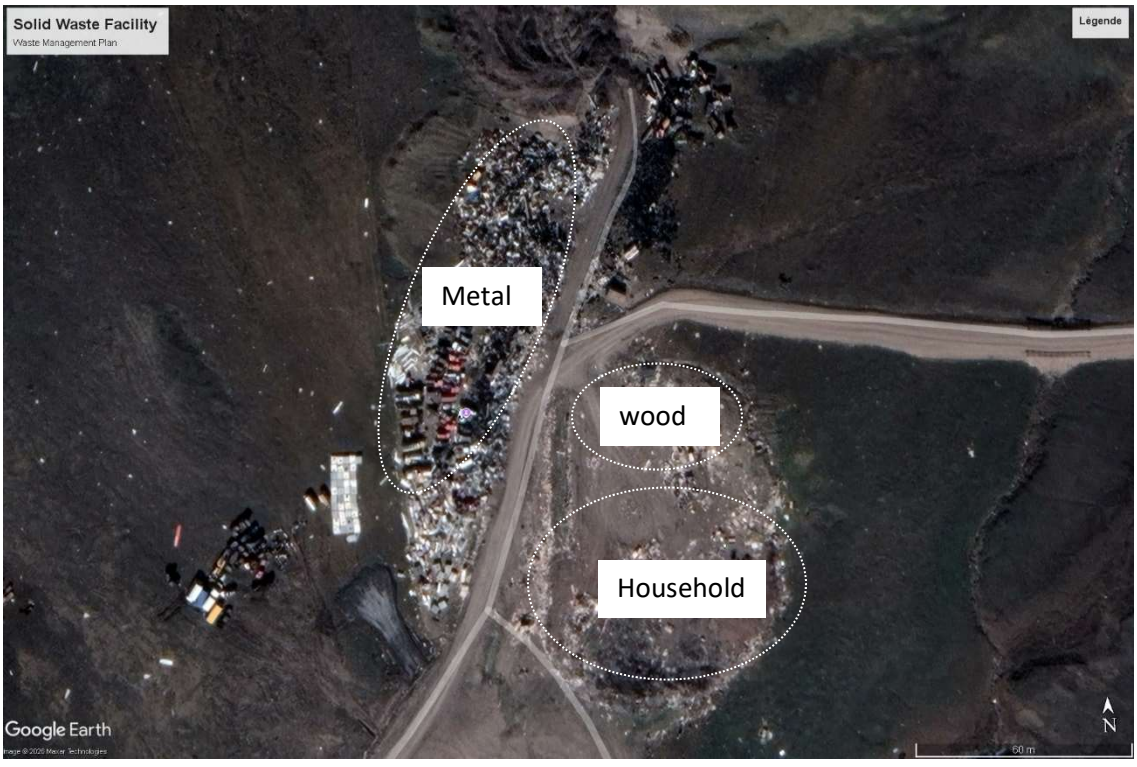
- Household garbage;
- Bulky/oversized waste and/or metal waste;
- Wood;
- Large appliances;

Any hazardous material shall be containerized and shipped off-site for disposal into a licenced facility, refer to the section 4.

There is no recycling facility in Arctic Bay. However, when material is left in good conditions at the SWF, reusing is promoted by the hamlet.

There is no sorting facility at SWF, the material must be pre-sorted and placed in the proper areas.

Figure 2.1: Hamlet Solid Waste Facility



3. ANTICIPATED GENERATED WASTE AND SEGREGATION

Segregation of all waste streams by type or category will avoid potentially undesirable combined effects and will facilitate the reuse, recycling and/or disposal of the various wastes, as per the following actions:

- Reduction Initiatives: reducing the raw material consumption is the first step to reduce waste generation. To practice this principle all processes and material used will be evaluated on the basis of possible reduction in raw material usage;

- Reuse Initiatives: reusing the material in other applications and /or by other parties is routinely examined by using the waste materials exchange;

- Recycling Initiatives: recycling is the next option considered for the successful management of the waste streams;

- Disposal: disposal is the final option when no other solution is applicable or practical.

The following waste streams have been identified for this project. The waste segregation is also described in each section.

As mentioned earlier, there is no sorting facility at the local SWF. The material to be salvaged, shipped-off site or disposed locally will be collected as per the following procedures:

- Wood to be salvaged will be collected in large wooden boxes clearly identified ‘’Wood Only’’. The boxes will be installed at the staging area, nearby the garage or/and at the construction site, nearby the offices. When needed, the boxes will be transported and emptied at hamlet wood salvage area. Larger pieces will be directly transported to the salvage area.

- Metal debris will be collected into wooden boxes. One box will be installed at the garage and the other one at the site. Both of them will be identified “Metal Only”. When filled, the box will be closed and prepared for off-site / off-territory shipment.

- Material to be recycled among the kitchen waste will be collected into pre-identified bins. Refer to the next sections for the description of the materials to be recycled. When bins will be filled, the content will be transferred into plastic bags / bulk bags and placed into a marine container for off-site / off-territory shipment to a recycling facility. Recycling boxes will be also installed at the site offices and breakrooms.

- None recycling waste generated from the kitchen operations will be disposed into garbage bags and placed into close waste bins located beside the camp kitchen. The bins will be emptied everyday and the garbage bags will be transported and placed into the household garbage area into the local SWF.

3.1 WASTE FROM MATERIAL UNPACKAGING

The waste coming for the material unpackaging is generally limited to wood, wood pallets, steel strapping and plastic wrapping. Most of the wooden crates and pallets are kept in order to be re-used for the demobilization. Extra crates and remaining packaging wood will be offered to the community members in order to be reused for different projects as shack construction for fishing and hunting. The metal strapping will be collected and containerized for off-site transportation and recycling. The plastic wrapping will be transported to the local disposal facility.

3.2 WASTE FROM THE CAMP OPERATION

The camp operation, the site office and the quarry breakroom will generate the following standard domestic garbage:

- Various plastic/glass containers;
- Various carboard boxes;
- Empty tin/pop cans;
- Empty aerosol cans;
- Plasticware and Styrofoam cups;
- Food waste;
- Cooking grease;
- Other waste from bathrooms and living quarters (i.e.: tissues…)
- Sewage

The various plastic and glass containers, cardboard boxes, plasticware, Styrofoam cups, food waste, and other waste generated from bathrooms and living quarters will be transported to and disposed of at the local disposal facility. Empty tin and aluminum cans will be crushed and containerized for off-site recycling. As presented in Section 4, any household hazardous waste will be collected, packaged, and shipped off-site.

All food, food waste, and other attractants will be handled, stored, and disposed of in a manner that prevents attracting and habituating animals. Domestic waste containers will be kept closed (e.g., equipped with lids or covered with tarps over skips) at all times, except when bins are

being filled or emptied, to prevent scavenging by wildlife and domestic animals and to control odours.

The sewage water from the camp operations, the site office and the quarry site will be collected by the hamlet sewage truck and disposed of at the hamlet sewage lagoon.

3.3 WASTE FROM THE CONSTRUCTION SITE

This type of project does not generate large volumes of construction waste, unlike typical building construction projects. However, the following types of waste will be generated during project activities:

- Wasted silt fences and other siltation protections;
- Waste from blasting operations (ANFO bags, plastic debris from used caps, etc.);
- Absorbent material from spills;
- Survey stakes;
- Geotextile left over pieces;
- Misc. metal;
- Wood lumber pieces;

At the end of the project, all siltation protection devices will be removed, cleaned, and containerized for off-site shipment. Any leftover geotextile and wood will be offered to community members for reuse. Unclaimed geotextile will be placed with the siltation devices and shipped off-site. Explosives packaging (e.g., bags, cardboard) will be disposed of by controlled combustion. The Blaster will collect all empty explosives packaging and burn it at the local disposal facility. Other waste generated from blasting operations, consisting mainly of plastic materials, will be collected after use and disposed of at the local waste facility.

3.4 NON-HAZARDOUS WASTE FROM THE MAINTENANCE GARAGE

The following non-hazardous waste is generated by the maintenance garage operations:

- Old Tires
- Wood
- Plastic containers
- Used mechanical parts

The wood will be managed as described earlier in this section. Clean plastic containers will be disposed of at the local disposal facility, while contaminated containers (e.g., with grease or oil)

will be treated as hazardous waste and shipped off-site for disposal. Old tires and used mechanical parts will also be shipped off-site for refurbishing or disposal.

4. HAZARDOUS WASTE

All hazardous waste generated during the construction project will be packaged in accordance with the Transportation of Dangerous Goods Regulations (TDGR) and shipped off-site and off-territory by sealift to licensed disposal facilities. Hazardous waste will be containerized as described in the following sections and stored in the Hazardous Waste Temporary Storage Area (HWTSA) located beside the maintenance garage. The HWTSA will be located at least 31 metres from any water body and will be clearly identified. Drainage into and from the HWTSA will be controlled, and/or suitable secondary containment implemented, to prevent spills or leaks from leaving the site and to prevent run-off from entering the site. All hazardous waste and materials will be stored on a firm working surface that is impervious to leaks and stored within a container of at least 110% capacity of the total volume of substances to be stored and will be inaccessible to wildlife. An up-to-date inventory of hazardous materials will be maintained by the environmental monitor. Hazardous materials will be shipped off-site by sealift at the end of each working season. All required waste manifests and transportation documents will be prepared by the EM.

4.1 HARDOUS WASTE GENERATED FROM THE MAINTENANCE GARAGE

The hazardous waste coming from the maintenance garage is summarized as per the following list:

- Waste oil
- Waste oil filters
- Waste antifreeze
- Empty grease containers
- Waste batteries
- Oil absorbent material and dirty rags
- Aerosol cans

Hazardous materials will be stored in their original containers, where possible, or in containers specially manufactured for the purpose of storing a specific hazardous waste or materials. Containers used for hazardous waste and materials will not be used for non-hazardous waste types. Shipping and transportation of dangerous goods (DGs) will be registered with Government of Nunavut and appropriate shipping documents will accompany movements of DGs in accordance with the federal *Transportation of Dangerous Goods Act* and *Regulations*.

Waste oil and antifreeze will be collected separately in 205 L drums. The drums will be labelled, palletized, and stored in the HWTSA. Waste filters (oil and fuel) and empty grease containers will be collected and placed in salvage drums. Waste batteries will be placed in used battery containers and stored in a marine container located within the HWTSA. Used granular absorbent material will also be collected in salvage drums. Used absorbent pads and contaminated rags will be collected in plastic bags and placed in the marine container located in the HWTSA.

4.2 HAZARDOUS WASTE GENERATED FROM CAMP OPERATION

Any household hazardous waste, such as disposable batteries, aerosols, and fluorescent bulbs, will be collected in pre-identified boxes installed at various locations in the camp and at site offices. Once filled, the boxes will be collected and transported to the marine container located in the HWTSA.

4.3 CONTAMINATED SOIL

Any contaminated soils generated from operations will be collected and placed into *Quatrex 27* bags for off-site shipment and disposal. Refer to the Spill Prevention and Response Plan (SPRP) for additional details. Any absorbent material used to clean up an oil or fuel spill will be bagged, labelled, and shipped off-site to a licensed disposal facility. Bags of contaminated soil will be palletized and transported to the HWTSA.

4.4 HAZARDOUS WASTE STORAGE

Incompatible waste and materials will be stored in a manner that, in the event of a spill or accidental release, contact is not possible (i.e. corrosive materials must be kept away from flammable materials).

Records are to be maintained indicating the type and quantity of waste being stored along with the date, type and quantity of hazardous waste brought into or removed from the facility.

Any open source of ignition, open flame, hot works, or smoking is prohibited in the hazardous waste and materials storage area.

5. TRAINING AND MONITORING

The environmental monitor, jointly with the site superintendent and the camp manager, will be responsible for implementation of the waste management plan.

5.1 TRAINING

All employees working on the project will be required to attend a worker orientation seminar and various training sessions where the Waste Management Plan will be explained. Waste reduction practices, waste segregation, and the rules for using the local SWF will also be discussed.

5.2 MONITORING

Through daily inspections, the Environmental Monitor (EM) will ensure that waste generated from camp operations, the maintenance garage, and site activities is managed in accordance with the current plan and applicable permits. The EM will also be responsible for promoting best practices for waste reduction and the reuse of materials where possible. The EM will record waste volumes by type. The EM will maintain records of all waste backhauled, as well as confirmation of proper disposal at receiving facilities. These records will be made available to an Inspector upon request.