



Environment
Canada

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PERMIT APPLICATION (DISPOSAL AT SEA)*

Application Identification (EC OFFICE USE ONLY)
Name:
Number:

* Ce formulaire est aussi disponible en français

PROPOSED ACTIVITY

Permits are issued in accordance with Division 3 of Part 7 of the *Canadian Environmental Protection Act, 1999* (the "Act"). "Disposal" has the same meaning as in subsection 122(1) of the Act. Information provided on this form will be used to evaluate the application for a permit.

Applicants should consult their nearest regional Disposal at Sea Program office of Environment Canada before preparing or submitting an emergency permit application under section 128 of the Act.

The following activities are covered by this application. Indicate those activities that apply to you:

1. Loading for the purpose of disposal 2. Disposal of waste or other matter
 3. Disposal on ice 4. Other: _____

SUBSTANCE TO BE DISPOSED OF AT SEA:

Inert Inorganic Geological Matter (Excavated Material)

IDENTIFICATION AND APPLICANT INFORMATION

NAME OF APPLICANT		TELEPHONE NO.	EMAIL ADDRESS/FAX NO.
ADDRESS		TYPE OF BUSINESS	
PERMIT HISTORY - List the permits numbers and expiry dates of any previous permits (to a maximum of five), including renewals, that are relevant to this application.			
Permit No.		Expiry Date (year/month)	
NAME OF INDIVIDUAL(S) RESPONSIBLE FOR PROPOSED ACTIVITY		TELEPHONE NO.	EMAIL ADDRESS/FAX NO.
NAME OF TECHNICAL CONTACT(S) FOR PROPOSED ACTIVITY		TELEPHONE NO.	EMAIL ADDRESS/FAX NO.

INFORMATION ON THE PROPOSED ACTIVITY AND GENERAL INFORMATION

DESCRIPTION OF ACTIVITY - Give a general description of the proposed activity and its purpose.
NUMBER OF PAGES ATTACHED <input type="checkbox"/>

<p>SUBSTANCE TO BE DISPOSED OF AT SEA - Indicate the substance to be disposed of at sea. Indicate the relative presence of the components listed below. The Applicant's Guide - Chapter 3: The Disposal at Sea Permitting Process for Inert Inorganic Geological Matter (Excavated Material) is intended to help you meet the minimum information requirements associated with this form.</p> <p>For soil or sediment, indicate the relative presence of (a) boulders and cobble; (b) gravel; (c) sand; (d) silt; (e) clay; (f) peat and other organic soil components; and (g) other items in the soil or sediment (e.g., wood waste, seaweed).</p> <p>For rock, indicate the relative presence of (a) sedimentary rock; (b) metamorphic rock; and (c) igneous rock.</p>	<p>TOTAL QUANTITY (m³)</p> <hr/> <p>TERM OF PERMIT REQUESTED (maximum one year)</p> <p>from year month day</p> <p>_____</p> <p>to year month day</p> <p>_____</p>
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RENEWALS	
<p>DO YOU WANT THE REQUESTED PERMIT TO BE CONSIDERED FOR RENEWAL?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>	<p>RENEWAL QUANTITY (cubic metres or tonnes): Estimate the maximum quantity for disposal under each expected renewal. For dredged material, the quantity must be calculated in cubic metres using place measurement.</p> <p>First Renewal _____</p> <p>Second Renewal _____</p> <p>Third Renewal _____</p> <p>Fourth Renewal _____</p>
<p>NUMBER OF POTENTIAL RENEWALS REQUIRED – Indicate how many times renewal may be required (maximum four renewals).</p>	

LOAD SITE(S) - Provide a detailed drawing showing the boundaries of each site to be excavated.			
NAME AND ADDRESS OF SITE(S) (if any)	LATITUDE (decimal degrees to five decimal places, referencing NAD83)	LONGITUDE (decimal degrees to five decimal places, referencing NAD83)	QUANTITY TO BE LOADED (m ³)

DISPOSAL SITE(S) - Provide a detailed drawing showing the boundaries of each disposal site or release zone.				
DISPOSAL SITE NAME (if any)	LATITUDE (decimal degrees to five decimal places, referencing NAD83)	LONGITUDE (decimal degrees to five decimal places, referencing NAD83)	DEPTH (metres)	QUANTITY TO BE DISPOSED OF (m ³)

<p>Provide an estimate of the movement and dispersion in the water column and on the sea floor of the substance disposed of at sea. In the case of disposal at a new disposal site or disposal on ice, contact the nearest Disposal at Sea regional office for details of additional information that must be included in your application.</p>	<p>NUMBER OF PAGES ATTACHED <input type="checkbox"/></p>
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ROUTE FROM LOAD SITE TO DISPOSAL SITE - Attach a map, chart or good reproducible set of drawings that shows the location of each load (excavation) site and each disposal site. If the route is not direct, explain why and show the intended route on the map, chart or drawings.

NUMBER OF DOCUMENTS ATTACHED

EQUIPMENT AND METHODS - Describe the equipment and methods to be used at each load (excavation) site and disposal site. Check the appropriate boxes below or provide a description under "other," if applicable.

Loading equipment / method:

- conveyor belts
- crane equipped with a hydraulic shovel
- hydraulic shovel
- land-based heavy equipment
- trucks

Disposal equipment / method:

- bottom dumping
- end dumping

other:

NUMBER OF PAGES ATTACHED

METHODS OF PACKAGING AND CONTAINMENT

NUMBER OF PAGES ATTACHED

DISPOSAL SPECIFICATIONS

MAXIMUM QUANTITY PER DISPOSAL (m³)

FREQUENCY

(disposals per day, week or month)

SPEED DURING DISPOSAL

TIME REQUIRED FOR DISCHARGE (minutes)

TRACK TO BE FOLLOWED DURING DISPOSAL

NUMBER OF PAGES ATTACHED

CARRIER INFORMATION - If unknown, this may be provided at a later date but prior to start of operations.		
NAME AND ADDRESS OF CARRIER	TELEPHONE NO.	EMAIL ADDRESS/FAX NO.
NAME, TITLE AND ADDRESS OF OWNER OF SHIP, AIRCRAFT, PLATFORM OR STRUCTURE USED TO CARRY OUT DISPOSAL	TELEPHONE NO.	EMAIL ADDRESS/FAX NO.
NAME OF INDIVIDUALS RESPONSIBLE FOR LOADING OR DISPOSAL ON BEHALF OF APPLICANT (including the master)	TELEPHONE NO.	EMAIL ADDRESS/FAX NO.
NAME OR NUMBER OF SHIP, AIRCRAFT, PLATFORM OR STRUCTURE USED TO CARRY OUT DISPOSAL		

APPROVALS - List all permits, licences and reviews, including environmental impact assessments, that are required by any federal, provincial, territorial, municipal or local agency for the carrying out of the activity described in this application.

ISSUING AGENCY	TYPE OF APPROVAL	ID NO.	DATE OF APPLICATION (year/month/day)	DATE OF APPROVAL (year/month/day)	DATE OF REFUSAL (year/month/day)

NOTICE OF APPLICATION - Attach evidence that a notice was published under paragraph 127(2)(d) of the Act.

CLIPPING ATTACHED

NAME OF PUBLICATION	PLACE OF PUBLICATION (city, province)	DATE OF PUBLICATION (year/month/day)

LOADING SITE PROFILE (HISTORICAL DATA, CURRENT USES AND PROXIMITY TO SENSITIVE AREAS)

FACTORS INFLUENCING LOAD SITE MATERIAL QUALITY - Indicate how each load (dredging) site was used during the last 10 years. Provide a map and show, by means of the symbols indicated below, the location of the major operating and historical facilities in the vicinity of the site. Indicate your sources of information and attach a copy of the information where possible. Where the source is a person, provide the person's name, address and telephone number.

FACILITIES	SYMBOL		SOURCES OF INFORMATION
	OPERATING	HISTORICAL	
(a) oil refineries;	(O)	(O*)	_____
(b) mills (specify type);	(M)	(M*)	_____
(c) mines (specify type);	(N)	(N*)	_____
(d) sewage outfalls;	(S)	(S*)	_____
(e) storm drains/pipes;	(P)	(P*)	_____
(f) shipping docks;	(D)	(D*)	_____
(g) other industries (specify); and	(I)	(I*)	_____
(h) other source of pollution and contamination (specify).	(C)	(C*)	_____

NUMBER OF PAGES ATTACHED

PROXIMITY TO SENSITIVE AREAS - For a new disposal site, provide a map that shows, by means of the symbols set out below, the location of all sensitive areas in the disposal site's vicinity. Indicate your sources of information and attach a copy of the information if possible. If the source is a person, provide the person's name, address and telephone number.

SENSITIVE AREAS	SYMBOL	SOURCES OF INFORMATION
<i>(a)</i> recreational areas;	(RA)	_____
<i>(b)</i> spawning and nursery areas;	(SN)	_____
<i>(c)</i> known migration routes of living marine resources;	(MR)	_____
<i>(d)</i> sport and commercial fishing areas;	(FA)	_____
<i>(e)</i> areas of natural beauty or cultural or historical importance;	(BH)	_____
<i>(f)</i> areas of special scientific or biological importance;	(IS)	_____
<i>(g)</i> aquaculture;	(AC)	_____
<i>(h)</i> shipping lanes;	(SL)	_____
<i>(i)</i> areas of the seafloor having engineering uses (mining, cables, desalination or energy conversion sites);	(EU)	_____
<i>(j)</i> marine protected areas, ecological reserves and bird sanctuaries;	(PA)	_____
<i>(k)</i> critical habitat for species at risk; and	(CH)	_____
<i>(l)</i> other areas (describe use e.g. water intakes).	(XZ)	_____

NUMBER OF PAGES ATTACHED

DETAILED CHARACTERIZATION OF MATERIAL TO BE EXCAVATED (CHEMICAL AND PHYSICAL INFORMATION)

CHEMICAL INFORMATION - Provide a chemical characterization of the substance. If possible, attach detailed data and methods and the quality assurance and control data and methods. If no data are provided, explain why. See the Applicant's Guide - Chapter 3: The Disposal at Sea Permitting Process for Inert inorganic geological matter (Excavated Material) for details of additional information that must be included in your application.

Identify the presence of the following in any soil, sediment and pore water being disposed of:

- (a)* cadmium;
- (b)* mercury;
- (c)* other metals identified through a full metal scan;
- (d)* total polychlorinated biphenyls (PCBs);
- (e)* total polycyclic aromatic hydrocarbons (PAHs);
- (f)* total organic carbons; and
- (g)* other chemicals that may be specified by the Minister for the purpose of complying with Schedule 6 to the Act.

NUMBER OF PAGES ATTACHED

PHYSICAL INFORMATION - Provide an assessment of the potential of the substance, once disposed of at sea, to cause long-term physical effects. If possible, attach detailed physical data and methods and the quality assurance and control data and methods. If no data are provided, explain why. See Applicant's Guide - Chapter 3: The Disposal at Sea Permitting Process for Inert Inorganic Geological Matter (Excavated Material) for details of additional information that must be included in your application.

Provide the following information in respect of the waste to be disposed of:

- (a)* the grain size of any soil or sediment; and
- (b)* any other physical data that may be specified by the Minister for the purpose of complying with Schedule 6 to the Act.

NUMBER OF PAGES ATTACHED

INFORMATION ON ALTERNATIVES TO DISPOSAL AT SEA

WASTE ASSESSMENT - See Schedule 6 to the Act or contact the nearest Disposal at Sea regional office.

NUMBER OF PAGES ATTACHED

ALTERNATIVES - Provide a comparative assessment of disposal at sea and other practicable alternatives that indicates the following:

- (a) environmental impact;
- (b) risk to human health;
- (c) hazards (including accidents) associated with treatment, packaging, transport and disposal;
- (d) economics (including energy costs); and
- (e) conflicting use of resources (potential and actual).

NUMBER OF PAGES ATTACHED

PREVIOUS DISPOSAL METHODS - Describe the methods, if any, other than disposal at sea, that you have previously used to dispose of the same type of substance. Indicate dates and locations.

NUMBER OF PAGES ATTACHED

MITIGATION - Indicate measures intended to minimize the environmental, health, navigational and aesthetic impacts during loading, transport and disposal. Please check on the form the following mitigation measures that could apply to the loading and disposal activity.

General mitigation measures for project activities:

- The project will be carried out in compliance with all applicable legislation including the *Species at Risk Act*, the *Fisheries Act* and *Marine Mammal Regulations*, and the *Canadian Environmental Protection Act, 1999* and *Disposal at Sea Regulations*.
- Vessel operators will be appropriately trained and qualified and familiar with the operational area.
- Vessels will be appropriately marked in accordance with regulations administered by Transport Canada.
- The equipment used will be in proper working order and will be maintained in such a way so as to adequately prevent leaks and spills.

Mitigation measures for excavation:

- Every reasonable effort will be made to minimize any overflow or spillage from the barges.
- Direct or indirect releases of water containing elevated suspended solids or elevated turbidity will be minimized.

Mitigation measures for transit to the disposal site:

- Barges destined for the disposal site will only transit under suitable conditions to minimize chances of spillage en route.
- The most direct navigational route from the load (excavation) site to the disposal site will be taken.

Mitigation measures for disposal at sea activities:

- The excavated material to be disposed will have the appropriate physical characteristics for disposal and the contaminant levels will meet the criteria outlined in the *Disposal at Sea Regulations* of the *Canadian Environmental Protection Act, 1999*.
- All disposal activity must occur within the specified disposal site boundaries.
- Disposal time will be minimized as much as possible.

Other (if applicable):

- The project is to be carried out in accordance with mitigation measures outlined in the report attached.

NUMBER OF PAGES ATTACHED

TIME RESTRICTIONS - If the disposal site is to be in the vicinity of spawning areas, migration routes or fishing areas, list the major species involved and the periods during which they are the most sensitive (active time of year).

NUMBER OF PAGES ATTACHED

If this application is to be submitted by an agent of the Applicant, the Applicant must complete the following authorization:

I authorize _____ (*print name*) to act on my behalf as my agent in the processing of this application and to furnish, on request, supplemental information in support of this application.

Date

Name (*print*)

Signature

This application is made for a permit authorizing the activity described in this application. I certify that I have reviewed the information provided in this application and that, to the best of my knowledge and belief, the information is true, complete and accurate. I further certify that I am authorized to undertake the proposed activity or am acting as the Applicant's duly authorized agent.

Date

Name (*print*)

Signature

Telephone No.

Fax No.

Send the completed permit application, the application fee and all supporting documentation to your nearest regional Disposal at Sea Program office of Environment Canada.