

**PERMIT APPLICATION
(DISPOSAL AT SEA)***

Application Identification (OFFICE USE) Name: Number:
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Permits are issued in accordance with Division 3 of Part 7 of the *Canadian Environmental Protection Act, 1999* (CEPA 1999). "Disposal" is defined in subsection 122 (1) of the Act. Information provided on this form will be used to evaluate the application for a permit.

The following activities are covered by this application (indicate those activities that apply to you):

- | | |
|---|---|
| <input type="checkbox"/> 1. Loading for the purpose of disposal | <input type="checkbox"/> 2. Disposal of waste or other matter |
| <input type="checkbox"/> 3. Disposal on ice | <input type="checkbox"/> 4. Other : _____ |

SUBSTANCE TO BE DISPOSED OF AT SEA:

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PART A — APPLICANT INFORMATION

IDENTIFICATION			
1. NAME OF APPLICANT		2. TELEPHONE NO.	3. FAX NO.
4. ADDRESS		5. TYPE OF BUSINESS	
6. PREVIOUS PERMITS - List the permit numbers of your previous permits, if any, relevant to this application.		Permit No.	Expiry Date (year/month)
7. NAME OF INDIVIDUAL(S) RESPONSIBLE FOR PROPOSED ACTIVITY		8. TELEPHONE NO.	9. FAX NO. EMAIL ADDRESS
10. NAME OF TECHNICAL CONTACT(S) FOR PROPOSED ACTIVITY		11. TELPHONE NO.	12. FAX. NO EMAIL ADDRESS

PART B — INFORMATION ON THE PROPOSED ACTIVITY

GENERAL INFORMATION
13. DESCRIPTION OF THE ACTIVITY — Give a general description of the proposed activity and its purpose.

<p>14. SUBSTANCE TO BE DISPOSED OF AT SEA — Indicate the substance to be disposed of at sea. See the applicable item in Part 1 or 2 of Appendix 1 for details of the information that must be included in your application.</p>	<p>15. TOTAL QUANTITY (m³ or t)</p>
	<p>16. PROPOSED TERM OF PERMIT (maximum 1 year)</p> <p style="margin-left: 40px;">from year month day</p> <p style="margin-left: 100px;">_____</p> <p style="margin-left: 40px;">to year month day</p> <p style="margin-left: 100px;">_____</p>

17. LOAD SITE (S) — For dredged or inert inorganic geological material, provide a detailed drawing showing the boundaries of each site to be dredged or excavated.

NAME AND LOCATION OF SITE	LATITUDE	LONGITUDE	QUANTITY TO BE LOADED (m ³ or t)

18. DISPOSAL SITE (S) — Provide a detailed drawing showing the boundaries of each disposal site.

DISPOSAL SITE NAME (if any)	LATITUDE	LONGITUDE	DEPTH (m)	QUANTITY TO BE DISPOSED (m ³ or t)

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, see the applicable item in Appendix 2 for details of additional information that must be included in your application.

NUMBER OF PAGES ATTACHED

19. ROUTE FROM LOAD SITE TO DISPOSAL SITE — Attach a map, chart or good reproducible set of drawings that show the location of each load site and each disposal site. If the route is not direct, provide reasons and show the intended route on the map, chart or drawings.

NUMBER OF DOCUMENTS ATTACHED

20. EQUIPMENT AND METHODS — Describe the equipment and methods to be used at each load site and disposal site.

21. METHODS OF PACKAGING AND CONTAINMENT

DISPOSAL SPECIFICATIONS

22. MAXIMUM QUANTITY PER DISPOSAL (m³ or t)

23. RATE (where applicable)
(m³ /h or t/h)

24. FREQUENCY
(disposals per day, week or month)

25. SPEED DURING DISPOSAL

26. TIME REQUIRED FOR DISCHARGE (or sinking)
(min)

27. TRACK FOLLOWED DURING DISPOSAL

CARRIER INFORMATION

— If unknown, this may be provided at a later date but prior to start of operations.

28. NAME AND ADDRESS OF CARRIER

29. TELEPHONE NO. FAX. NO EMAIL ADDRESS

30. NAME, TITLE AND ADDRESS OF THE OWNER OF THE SHIP, AIRCRAFT, PLATFORM OR STRUCTURE USED TO CARRY OUT THE DISPOSAL

31. TELEPHONE NO. FAX. NO EMAIL ADDRESS

32. NAME OF INDIVIDUALS RESPONSIBLE FOR LOADING OR DISPOSAL ON BEHALF OF THE APPLICANT (including the master)

33. TELEPHONE NO. FAX. NO EMAIL ADDRESS

34. NAME OR NUMBER OF SHIP, AIRCRAFT, PLATFORM OR STRUCTURE USED TO CARRY OUT THE DISPOSAL

35. APPROVALS — List all permits, licenses and reviews, including environmental impact assessments, required by any federal, provincial, territorial, municipal or local agency for the activity described in this application to be carried out.

ISSUING AGENCY	TYPE OF APPROVAL	ID NO.	DATE OF APPLICATION	DATE OF APPROVAL	DATE OF REFUSAL
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36. NOTICE OF APPLICATION — Attach proof that notice of this application was published in a newspaper of general circulation in the vicinity of the loading and disposal site described in the application.

NEWSPAPER CLIPPING ATTACHED

NAME OF NEWSPAPER

PLACE OF PUBLICATION
(CITY AND PROVINCE)

DATE OF PUBLICATION

PART C — INFORMATION ON ALTERNATIVES TO DISPOSAL AT SEA

37. WASTE AUDIT — Refer to sections 1 to 6 of Schedule 6 to CEPA 1999.

NUMBER OF PAGES ATTACHED

38. ALTERNATIVES — Provide a comparative assessment of disposal at sea and the practicable alternatives indicating 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)
- (e) Conflicting use of resources (potential and actual)

NUMBER OF PAGES ATTACHED

PART D — HISTORICAL DATA

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

40. LOAD SITE HISTORY — For dredged material or inert inorganic geological matter, indicate how each dredging or excavation site was used during the last 10 years.

NUMBER OF PAGES ATTACHED

PART E — CHEMICAL, BIOLOGICAL AND PHYSICAL INFORMATION

41. CHEMICAL INFORMATION — Provide a chemical characterization of the substance. Where possible, attach detailed data and methods and the quality assurance and control data and methods. If no data are provided, explain why. See the applicable item in Part 1 or 2 of Appendix 1 for details of additional information that must be included in your application.

NUMBER OF PAGES ATTACHED

42. BIOLOGICAL INFORMATION — Provide an assessment of the potential effects of the substance, including toxicity, on living marine resources. Where possible, attach detailed bioassessment data and methods, and the quality assurance and control data and methods. If no data are provided, explain why.

NUMBER OF PAGES ATTACHED

43. PHYSICAL INFORMATION — Provide an assessment of the potential of the substance, once disposed of at sea, to cause long-term physical effects. Where possible, attach detailed physical data and methods, and the quality assurance and control data and methods. If no data are provided, explain why. See the applicable item in Part I of Appendix I for details of additional information that must be included in your application.

NUMBER OF PAGES ATTACHED

PART F — PROXIMITY AND MITIGATION

44. PROXIMITY TO FACILITIES — For dredged or inert inorganic geological material, provide a map for each load site that shows, 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 (give type)	(M)	(M*)	
(c) Mines (give type)	(N)	(N*)	
(d) Sewage outfalls	(S)	(S*)	
(e) Storm drains/pipes	(P)	(P*)	
(f) Shipping docks	(D)	(D*)	
(g) Other industries (specify)	(I)	(I*)	
(h) Other source of pollution and contamination (specify)	(C)	(C*)	

NUMBER OF PAGES ATTACHED

45. PROXIMITY TO SENSITIVE AREAS — For a new disposal site, provide a map that shows, by means of the symbols indicated below, the location of all sensitive areas in the vicinity of the disposal 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.

SENSITIVE AREAS	SYMBOL	SOURCES OF INFORMATION
(a) Recreational areas	(RA)	
(b) Spawning and nursery areas	(SN)	
(c) Known migration routes of living marine resources	(MR)	
(d) Sport and commercial fishing areas	(FA)	
(e) Areas of natural beauty or cultural or historical importance	(BH)	
(f) Areas of special scientific or biological importance	(IS)	
(g) Aquaculture	(AC)	
(h) Shipping lanes	(SL)	
(i) Areas of the seafloor having engineering uses (mining, cables, desalination or energy conversion sites)	(EU)	
(j) Other areas (describe use e.g. water intakes)	(XZ)	

NUMBER OF PAGES ATTACHED

46. MITIGATION — Indicate measures intended to minimize the environmental, health, navigational and aesthetic impacts during loading, transport and disposal. See the applicable item in Part 2 of Appendix 1 for details of additional information that must be included in your application.

47. TIME RESTRICTIONS — If the load site or disposal site will 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).

Application is hereby 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 activity or am acting as a duly authorized agent of the applicant.

Date

Name (print)

Signature

Telephone No.

Fax No.

Send the completed permit application, together with all documents to be attached, to one of the following addresses.

For an application made from within Canada:

Regional Director
Atlantic Region
Disposal at Sea Permits
Environmental Protection
Environment Canada
45 Alderney Drive
Dartmouth, Nova Scotia B2Y 2N6

Regional Director
Quebec Region
Disposal at Sea Permits
Environmental Protection
Environment Canada
105 McGill Street, 4th floor
Montreal, Quebec H2Y 2E7

Regional Director
Pacific and Yukon Region
Disposal at Sea Permits
Environmental Protection
Environment Canada
224 West Esplanade
North Vancouver, British Columbia V7M 3H7

District Director, Northwest Territories Office
Prairie and Northern Region
Disposal at Sea Permits
Environmental Protection
Environment Canada
Suite 301, 5204 50th Avenue
Yellowknife, Northwest Territories X1A 1E2

District Manager, Newfoundland District Office
Atlantic Region
Disposal at Sea Permits
Environmental Protection
Environment Canada
6 Bruce Street
Mount Pearl, Newfoundland A1N 4T3

For an application made from outside Canada:

Chief, Marine Environment Division
Disposal at Sea Permits
Environmental Protection
Environment Canada
12th Floor, 351 St. Joseph Blvd.
Hull, Quebec K1A 0H3
CANADA

APPENDIX 1

Part 1

MINIMUM INFORMATION REQUIREMENTS (BY TYPE OF SUBSTANCE) FOR DISPOSAL AT SEA OF WASTE AND OTHER MATTER

Each type of substance requires different information. Provide the required information on the form in the square indicated. Attach additional pages as needed. The Minister of the Environment may require, pursuant to paragraph 127(2)(b) or 128(3)(b) of CEPA 1999, further information for the purpose of complying with Schedule 6 to that Act. In the case of disposal at sea by incineration or thermal degradation as referred to in section 128 of that Act, consult Part 2 of this Appendix. The following numbers represent the item of the permit application form.

A — DREDGED MATERIAL AND INERT, INORGANIC GEOLOGICAL MATTER

14. Substance to Be Disposed of at Sea

Soil or sediment

Other components (e.g., wood waste)

41. Chemical Information

Chemistry in respect of the following parameters (soil, sediment, pore water as needed):

cadmium

mercury

total polychlorinated biphenyls (PCBs)

total polycyclic aromatic hydrocarbons (PAHs)

total organic carbon

43. Physical Information

Grain size of soil or sediment

B — FISHERIES WASTE

14. Substance to Be Disposed of at Sea

Species

Type of waste (e.g., shells, offal)

Source of waste

C — SHIPS, AIRCRAFT, PLATFORMS AND OTHER STRUCTURES

14. Substance to Be Disposed of at Sea

- Name, if applicable
- Location of registry
- Model or official number
- Dimensions
- Weight (dead weight tonnage)
- Principal materials of construction
- Name and address of owner
- State of seaworthiness, if applicable

41. Chemical Information

- Cargo, fuel and hazardous materials, including chemicals, left on board

43. Physical Information

- Last cargo
- Type of engine, if left on board
- Nature and weight of ballast left on board

D — BULKY SUBSTANCES

14. Substance to Be Disposed of at Sea

- Principal components (composition) of substance
- Dimensions
- Weight (t)

41. Chemical Information

- Contamination by hazardous materials including chemicals

E — OTHER SUBSTANCES

14. Waste or Other Matter to Be Disposed of at Sea (see Schedule 5 to CEPA 1999)

- Principal components (composition) of substance
- Origin of substance and process giving rise to substance

Part 2

MINIMUM INFORMATION REQUIREMENTS FOR INCINERATION

In the case of an emergency, referred to in section 128 of CEPA 1999, where incineration is necessary, provide the required information on the permit application form in the square indicated. Attach additional pages as needed. The Minister of the Environment may require, pursuant to paragraph 128(3)(b) of that Act, further information for the purpose of complying with Schedule 6 to that Act. For an activity other than incineration at sea, see Part 1 of this Appendix. The following numbers represent the item of the permit application form.

ALL SUBSTANCES

14. Substance to Be Incinerated at Sea

- Principal components (composition) of substance
- Description of the products of combustion and the rate of their production
- Origin of substance and process giving rise to substance

20. Equipment and Methods

- Description of incineration equipment
- Description of air pollution control equipment
- Description of monitoring and control systems in place
- Stack dimensions
- Combustion temperature
- Retention time
- Combustion and destruction efficiency
- Proposed method of loading and storage

41. Chemical Information

- Results of the latest tests on stack emissions (for particulate matter, hydrogen chloride (HCl), carbon monoxide (CO), dioxins and furans)

46. Mitigation

- Methods of complying with applicable noise by-laws
 - Methods of managing ash and minimizing fugitive emissions
 - Methods of managing wastewater to comply with provincial or municipal discharge limits
 - Methods of preventing hazards to other ships
 - Methods of spill response and contingency plans in the event of a spill
 - Methods of emergency shutdown
 - Qualifications of the operating personnel
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APPENDIX 2

MINIMUM INFORMATION REQUIREMENTS FOR DISPOSAL AT NEW DISPOSAL SITES AND ON ICE

Provide the required information on the permit application form in the square indicated. Attach additional pages as needed. The Minister of the Environment may require, pursuant to paragraph 127(2)(b) or 128(3)(b) of CEPA 1999, further information for the purpose of complying with Schedule 6 to that Act. Contact your regional Disposal at Sea Program office prior to collecting data on a new disposal site, as some of the information may already be on file. The following numbers represent the item of the permit application form.

DISPOSAL AT A NEW DISPOSAL SITE

18. Disposal Site(s)

Bathymetry

Sediment transport

Salinity

Current flow

Chemistry in respect of the following parameters (sediment, pore water as needed):

cadmium

mercury

polychlorinated biphenyls (PCBs)

total polycyclic aromatic hydrocarbons (PAHs)

DISPOSAL ON ICE

18. Disposal Site(s)

Area of ice to be used as the disposal site

Thickness of ice at the proposed disposal site (m)

Estimated date of ice breakup (year/month/day)

Estimated location of ice breakup (lat./long.)

Estimated time from breakup to melting (days)

Estimated depth of water at disposal site (m)
