



Department of the Environment

Canadian Environmental Protection Act, 1999

Notice is hereby given that, pursuant to section 127 of the *Canadian Environmental Protection Act, 1999 (CEPA 1999)*, Disposal at Sea Permit No. 4543-2-03623 authorizing the loading for disposal and the disposal of waste or other matter at sea is approved. The permit is published on the CEPA Registry on Tuesday, November 10, 2015.

1. *Permittee*: LNG Canada Development Inc., Kitimat, British Columbia.
2. *Waste or other matter to be disposed of*: Dredged material.
 - 2.1. *Nature of waste or other matter*: Dredged material consisting of rock, gravel, sand, silt and clay.
3. *Duration of permit*: Permit is valid from November 30, 2016, to February 15, 2017.
4. *Loading site*: Kitimat Harbour, Kitimat, British Columbia at approximately 53.99500° N, 128.68342° W North American Datum of 1983 (NAD83), as submitted in support of the permit application.
5. *Disposal site*: Kitimat Arm 2016 Disposal Site, bound by 53.97198° N, 128.68606° W; 53.97054° N, 128.67171° W; 53.95338° N, 128.67664° W; and 53.95485° N, 128.69098° W (NAD83).
6. *Method of loading*: Loading will be carried out using a cutter suction dredge, a trailing suction hopper dredge, a barge-mounted excavator, a mechanical dredge or a grab dredge.
7. *Route to disposal site and method of transport*: Most direct navigational route from the loading site to the disposal site.
8. *Method of disposal*: Disposal will be carried out by pipeline, suction dredge or hopper dredge.
9. *Total quantity to be disposed of*: Not to exceed 500,000 cubic metres, place measure.
10. *Fees*: The fee prescribed by the *Disposal at Sea Permit Fee Regulations* shall be paid by the Permittee in accordance with those regulations.
11. *Inspection*:

11.1. By accepting this permit, the Permittee and its contractors accept that they are subject to inspection pursuant to Part 10 of the *Canadian Environmental Protection Act, 1999*.

11.2. The Permittee shall ensure that records of all loading and disposal activities are kept on site for the duration of the permit and are available for inspection by any enforcement officer or analyst, for two years following the expiry of the permit.

11.3. Ships operating under the authority of this permit shall carry and display a radar-reflecting device at all times mounted on the highest practical location.

12. *Contractors:*

12.1. The loading or disposal at sea referred to under this permit shall not be carried out by any person without written authorization from the Permittee.

12.2. The Permittee shall ensure that all persons involved in the loading, transport or disposal activities authorized by this permit conduct these activities in accordance with the relevant permit conditions.

13. *Reporting and notification:*

13.1. The Permittee shall provide the following information at least 48 hours before loading and disposal activities commence: name or number of ship, platform or structure used to carry out the loading and/or disposal, name of the contractor including corporate and on-site contact information, and expected period of loading and disposal activities. The above-noted information shall be submitted to the Environmental Enforcement Division of the Department of the Environment, Pacific and Yukon Region, at 604-666-9059 (fax) or DisposalatSeaPYR@ec.gc.ca (email).

13.2. The Permittee shall submit a written report to the Minister, as represented by the Regional Director of the Environmental Protection Operations Directorate, Pacific and Yukon Region, 201–401 Burrard Street, Vancouver BC V6C 3S5, 604-666-5928 (fax) or DisposalatSeaPYR@ec.gc.ca (email) within 30 days after the expiry of the permit. This report shall contain the following information: a list of all work completed pursuant to the permit, including the location of the loading and disposal site used, the quantity of matter disposed of at the disposal site, and the dates on which disposal activities occurred.

13.3. At all times, a copy of this permit and of documents and drawings referenced in this permit shall be available at the loading site and on all powered ships directly engaged in the loading and disposal operations.

14. *Special precautions:*

14.1 The Permittee shall submit a final written Dredge Environmental Management Plan to the Minister, as represented by the Regional Director of the Environmental Protection Operations Directorate, Pacific and Yukon Region, identified in paragraph 13.2. The Plan shall be submitted for approval by the Department of the Environment at least 60 days prior to the commencement of the first dredging operation authorized by this permit. This plan shall address procedures to accurately measure or estimate quantities of dredged material disposed of at the disposal site, vessel tracking, and a schedule for use of the disposal site. This plan shall include Navigation Management, Environmental Mitigations and Monitoring, and Environmental Emergency Response, as outlined in the draft document titled "*LNG Canada Dredge Environmental Management Plan*" (November 2, 2015). Modifications to the "*LNG Canada Dredge Environmental Management Plan*" (November 2, 2015) shall be made only with the written approval of the Department of the Environment.

14.2. The Permittee shall carry out loading and disposal at sea authorized by this permit in accordance with the Dredge Environmental Management Plan approved by the Department of the Environment under condition 14.1.

14.3. The Permittee shall cease underwater blasting activities for the purpose of carrying out the loading authorized by this permit as soon as a marine mammal is observed within a 1 kilometre radius of the location of those activities. The Permittee may only resume these activities once the animal has left the 1 kilometre radius of the location of those activities or has not been re-sighted for 30 minutes.

14.4. The Permittee shall cease any activity authorized by this permit as soon as a marine mammal is observed immediately adjacent to the activity such that there is risk of physical harm from direct contact, and only resume once the animal has left the immediate area or has not been re-sighted for 30 minutes.

14.5. The Permittee shall only conduct underwater blasting for the purpose of carrying out the loading authorized by this permit during daylight hours.

Steven Wright
Regional Director
Environmental Protection Operations Directorate
Pacific and Yukon Region

On behalf of the Minister of the Environment

Signed on November 4, 2015