

**ENVIRONMENT CANADA
SCREENING**

**OCEAN DISPOSAL:
UNCONTAMINATED DREDGED SEDIMENTS**

1. PROJECT DESCRIPTION

Date: _____	HRTS No.: _____
	FEAI No.: _____

Location Longitude: _____ Latitude: _____ Region: _____

Project title Title: _____ Brief description: _____ _____ _____
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Identification of resource persons Person in charge, Environment Canada: _____ Resource person, Environment Canada: _____ Resource person, Agency: _____ Resource person, Public Registry: _____

Identification of responsible authority (RA) Lead responsible authority: _____ Other responsible authorities involved: _____ _____ For this project, Environment Canada acts as: Lead responsible authority: _____ Responsible authority: _____
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Other permits required Permits under NWPA: _____ Permits under the Fisheries Act: _____ Other permits required: _____ _____
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1.2 Project justification

Project objectives

What is the rationale for the ocean disposal of dredged sediments?

Alternatives, project optimization

Identify and describe any alternatives considered. Indicate how the project was optimized.

Were any options to dredging considered?

Were various dredging techniques considered (mechanical, hydraulic, using land-based equipment, etc.)?
Was the project optimized in order minimize the volume of material to be dredged?

Were any other options for the disposal of dredged sediments considered (landfilling or containment on the shore, land disposal)?

Were any alternative disposal sites examined? Describe the process for selecting the disposal site and indicate the site selection criteria. Indicate any alternatives examined and the factors considered. Show that the site selected is appropriate (meets short, medium and long-term criteria respecting navigability, predictability of the behaviour of the sediments dumped, precautions concerning wildlife habitat, etc.).

How were the various steps in the implementation of the project optimized (methods, periods of the year, project schedules, and other)? Briefly describe the scope of the analyses conducted and provide the rationale for the choice of the project and any alternatives selected.

1.3 Project description

Location

Indicate the location of the various components of the project as precisely as possible: location of the dredging site and installation of structures (if applicable), location of the disposal site, routes taken to get there).

Related projects

Is this proposal part of a larger project? If so, describe associated or future projects. The environmental assessment must cover the entire project. Are other dredging projects being carried out in the vicinity?

It should be noted that where dredging is carried out for the purpose of installing a physical structure (pipes, outfall, water intake), the environmental assessment must take account of all components of the project and cover impacts associated with the presence and operation of the structure in question.

Project components

Describe the main components of the project. Attach relevant plans and drawings.

Description of the structures to be installed:

- type of structure to be installed (wastewater outfall, sea water intake, pipe, etc.).

Description of the sediments to be dredged:

- physical characteristics (texture and particle size);
- physico-chemical characterization;
- level of contamination (particularly heavy metals, PCBs, PAHs);
- volume;
- indicate how the quality of the materials was assessed (location and number of samples, demonstration of the representativeness of the samples, etc.);
- contamination potential.

Handling / Loading:

- equipment used for dredging operations;
- volume of sediments involved;
- dredging techniques;
- characteristics of the dredge;
- dredging procedures;
- work schedules;
- characteristics of the equipment onto which sediments are loaded.

Transportation:

- technical characteristics of water transportation equipment;
- transportation activities and routes taken;
- extent of movements (ships, barges or other).

Disposal/Presence of dredged sediments:

- characteristics of disposal equipment;
- space and/or volume occupied by the dredged sediments;
- disposal techniques;
- holding structures.

Project schedule

When will the project be carried out? Attach a project schedule.

Provide the planned work schedules, and any other anticipated restrictions or constraints set out in the work schedules.

1.4 Description of the environment

Description of the disposal site

Describe the disposal site:

Location:

- geographic location;
- distance from the shore, known fishing grounds and aquacultural facilities.

Characteristics of the ocean floor:

- topography and geology;
- sediment particle size;
- sediment quality;
- geochemical characteristics;
- composition of biological communities;
- biological activity on the ocean floor;
- prior dumping at the site.

Physical characteristics of the water column:

- temperature;
- depth;
- possible existence of a thermocline / pycnocline (and its variations);
- tidal characteristics;
- direction and average velocity of surface and bottom drift;
- wind and swell characteristics, occurrence of storms;
- suspended solids.

Chemical and biological characteristics of the water column:

- pH;
- salinity;
- dissolved oxygen content at the surface and in the water column;
- chemical and biochemical oxygen demand;
- nutrients;
- primary productivity.

Where existing data are used, indicate the source of the data and justify their use for the project under study.

Previous use of the site

Where applicable, indicate previous uses of the site; past dumping; characteristics of sediments, wastes or other materials dumped at the site; results of previous analyses; previous environmental risks; likely environmental effects; mitigation measures implemented; and the results of follow-up program(s).

Description of the surrounding natural environment

Describe the natural environment, focusing on sensitive areas, such as critical wildlife habitat and protected areas, conservation areas or areas of particular interest (where necessary, provide plans and photographs).

Physical environment:	hydrodynamics, ice and sedimentology characteristics and quality of the ocean floor water quality
Biological environment:	characteristics and quality of the materials involved terrestrial vegetation aquatic and riparian vegetation wildlife waterfowl fish benthic organisms marine mammals sanctuaries, conservation areas

Description of the human environment

Describe human activities and facilities, focusing on sensitive elements (residential areas, heritage sites, recreational activities, commercial activities).

- Recreational activities (swimming, water sports, sport fishing, hunting, etc.)
- Commercial activities (fishing, navigation, aquaculture)
- Heritage sites and protected areas
- Aesthetic and scenic resources
- Quality of life
- Existing infrastructure (sea water intakes, outfalls, docks, etc.).

2. ENVIRONMENTAL ASSESSMENT OF THE PROJECT

This section covers the identification and description of the environmental impacts of the ocean disposal project and related mitigation measures. It is designed to answer questions related to the project, by providing the basic information needed to explain the conclusions, as well as the necessary references.

PHASE A: DREDGING AND LOADING OF SEDIMENTS

A-1 Effects on hydrodynamics, ice and sedimentology

Determine whether there is a potential for significant changes in the bathymetric profile or ice regime at the disposal site as a result of the dredging or excavation of sediments. Describe the changes anticipated and the impacts on erosion and sedimentation patterns, and specify the volumes involved. Indicate the extent of the area that will be affected and the duration of the disturbances in relation to the nature of the sediments that will be dredged.

Indicate whether the changes could require periodic maintenance dredging in the future. Describe the potential changes and specify whether erosion control structures should be used. Describe other mitigation measures that would be implemented to minimize the impacts of the project.

A-2 Modification of the characteristics and quality of the ocean floor

Indicate whether the proposed excavation or dredging activities can result in disturbances to the ocean floor. Determine whether the anticipated changes in erosion and sedimentation patterns could result in changes in the substrate. Describe the effects of increased turbidity and sedimentation, indicating the extent of the area affected. Specify whether chemical changes are anticipated as a result of the dredging. Describe the proposed mitigation measures.

A-3 Impact on water quality

Indicate the turbidity levels anticipated during the dredging operations. (The quantities will depend on the duration of dredging, the proportion of fine sediments, the volume excavated, water depth and current velocity; the persistence of turbidity will depend on the currents and the size of the particles transported.) Specify the extent of the area that will be affected.

Show that the sediments to be dredged are not contaminated and that their dredging poses no risk of contaminating the water column.

Identify previous uses of the dredging site that may have been the source of contamination of the area. Describe the materials and sediments involved. Identify the likely environmental effects of their presence and handling during dredging activities. Where applicable, describe the mitigation measures that would have been taken to reduce these impacts.

A-4 Disturbance of marine wildlife and habitats

A-4a Effects on marine resources

Describe the impacts on fish populations and other wildlife species (marine mammals, benthic organisms) that could be affected by the dredging of sediments. Specify the nature and scope of the impacts. If applicable, describe the mitigation measures (seasonal restrictions due to migration patterns, adoption of alternative dredging procedures, etc.).

A-4b Effects on marine habitats

Describe the potential impacts in terms of the modification of habitat and aquatic vegetation (or sensitive areas: spawning grounds, nursery areas, migration corridors, etc.) that could result from the dredging of sediments (removal, burial, modification of sedimentation patterns, loss of wildlife or habitat due to encroachment or modification of the substrate, etc.). (The extent of habitat loss depends on the importance, type and quality of the initial habitat. In the evaluation of the impact of sediment dredging in terms of habitat loss, it is important to consider the area of the site and the volume and quality of dredged sediments.) Indicate whether the changes can have an impact on the structure or size of biological communities or on biological activity following dredging. Describe the proposed mitigation measures.

A-4c Effects of increased turbidity

Describe the impacts of increased turbidity due to sediment dredging on wildlife resources. Indicate whether these changes can have an impact on the structure or size of biological communities or on biological activity. Specify the extent of the area that will be affected. Describe the proposed mitigation measures.

A-4d Impact of the use of explosives

If explosives are to be used in the water during dredging, describe the extent and duration of the blasting activities, and indicate whether adverse effects on aquatic wildlife (fish and marine mammals) are anticipated. Describe the proposed mitigation measures.

A-5 Disturbance of birds and coastal habitat (riparian habitat)

If the dredging of sediments is likely to have an impact on birds and coastal habitat (habitat loss or modification, disturbances due to noise, etc.), describe the anticipated impacts and the mitigation measures that will be taken to reduce them.

A-6 Disturbance of recreational activities

If the dredging activities are likely to have an impact on recreational activities carried out in the vicinity, describe the sensitive areas and activities (swimming, water sports, sport fishing from land or water, hunting, bird watching, whale watching, etc.). Indicate whether restrictions are provided for in terms of when the dredging can be carried out. Describe the anticipated impacts and proposed mitigation measures (work schedule that respects seasonal activities, etc.).

A-7 Disturbance of commercial activities

A-7a Impacts of the presence of equipment and dredging operations

If the presence of equipment and dredging activities are likely to affect navigable waters and navigation (port and navigation activities), describe the current use of the waters and the activities carried out in them (commercial navigation, activities associated with fisheries, aquaculture, lobster holding facilities, ship-related operations, etc.) and the anticipated impacts. Indicate whether restrictions have been set respecting

the times at which dredging can be carried out. Where applicable, describe the proposed mitigation measures.

A-7b Disturbance due to increased turbidity

Describe the impacts associated with increased turbidity and re-suspension of sediments during dredging. Indicate whether the changes could have an impact on fishing activities (fixed aquaculture gear, etc.). Specify the extent of the area that will be affected. Describe the proposed mitigation measures.

A-7c Disturbance of fishing grounds

Indicate whether the dredging activities can have impacts on fishing grounds resulting from changes to the morphology of the ocean floor. Specify the extent of the area that will be affected. Describe the proposed mitigation measures.

A-8 Impact on historic or archaeological sites

Specify whether the proposed activities could have an impact on significant historic sites, archaeological sites or natural sites. Describe these sites and the protective measures that will be taken in the event of the discovery of artifacts or archaeological sites.

A-9 Impact on aesthetic and scenic resources

Indicate whether aesthetic or scenic resources will be affected during the dredging activities and describe any mitigation measures required.

A-10 Impact on the quality of life

Describe the anticipated impacts on the quality of life. Specify the schedules and duration of noise generation. Provide details concerning sources of noise (dredges, pipelines, engines, etc.). Indicate the background noise levels and specify whether impacts are anticipated in terms of social concerns (disturbance of residents). Describe the measures that will be taken to minimize these impacts.

A-11 Disturbance of existing infrastructure (sea water intake, outfalls, etc.)

Describe the impacts of increased turbidity, during dredging, on the quality of water taken in by existing infrastructures. Describe any impacts the dredging activities are likely to have on existing infrastructure (fouling or burial). Indicate, where applicable, the proposed mitigation measures.

A-12 Risk of spills of hazardous materials

Identify the risks of spills of hazardous materials that will be used or stored at the work site during the various steps of the dredging project. Identify the materials in question and indicate where they will be used, stored and disposed of and how long they will be present at the site. Describe the safety and prevention measures that will be taken, as well as the emergency spill response plan.

A-13 Other impacts

Describe any other impacts the project is likely to have as well as any other proposed mitigation measures.

PHASE B: WATER TRANSPORTATION OF SEDIMENTS

B-1 Disturbance of the aquatic environment (aquatic wildlife and marine habitats)

B-1a Effects on marine mammals

Identify the effects of disturbances of marine mammals caused by water transportation of dredged sediments and describe the potential impacts. Where applicable, describe the mitigation measures that will be taken to reduce them.

B-1b Effects on fish and marine habitat

Indicate whether water transportation activities are likely to affect fish and marine habitats; describe the anticipated impacts and the mitigation measures that will be taken to reduce them.

B-2 Disturbance of birds and coastal habitats (riparian habitat)

Indicate whether water transportation activities are likely to have an impact on birds or coastal habitats. If so, describe the anticipated impacts and the mitigation measures that will be taken to reduce them.

B-3 Disturbance of recreational activities

Indicate whether the transportation of sediments is likely to affect recreational activities carried out in the sector, on the dock or in the vicinity (swimming, water sports, sport fishing, hunting, bird watching or whale watching, boarding cruise ships, etc.). Describe the activities affected and the scope of the anticipated impacts. Indicate whether any mitigation measures are planned.

B-4 Disturbance of commercial activities

Indicate whether the transportation of sediments by water is likely to affect commercial navigation or fishing (commercial navigation, commercial fisheries or aquaculture industry, dock operations), particularly by causing obstructions on the dock or in navigable waters. Indicate whether any restrictions are set out in the work schedules. Describe the impacts and, where applicable, proposed mitigation measures.

B-5 Impact on aesthetic and scenic resources

Indicate whether the transportation of sediments will have an impact on aesthetic or scenic resources. Describe any proposed mitigation measures.

B-6 Impact on the quality of life: effects of noise

Identify and describe the sources of noise associated with the transportation of sediments by water. Specify the schedules and duration of high levels of noise. Provide details regarding sources of noise (ships, barges, engines, etc.) and specify when and for how long noise will be generated. Provide indications respecting background noise levels, and specify whether any impacts are anticipated in terms of the quality of life of local residents. Describe the proposed mitigation measures.

B-7 Disturbance of existing infrastructure

Determine whether the transportation sediments by water is likely to have an impact on existing infrastructure (sea water intakes, outfalls). Describe the anticipated impacts and the proposed mitigation measures.

B-8 Risk of spills

Identify the risk of spills of hazardous materials (particularly petroleum products, fuels and oils) during the water transportation activities. Identify the substances in question and indicate where they will be used and stored. Describe the safety and prevention measures that will be taken, as well as the emergency plan in the event of the a spill.

B-9 Other impacts

Describe all other impacts the project is likely to have and all proposed mitigation measures.

PHASE C: DISPOSAL AND PRESENCE OF SEDIMENTS

C-1 Effects on hydrodynamics, ice and sedimentology

Determine whether there is a potential for significant changes in the currents, ice regime or sedimentation patterns at the disposal site as a result of the disposal of sediments. Indicate the scope of the anticipated changes, the extent of the area affected and duration of the disturbance.

C-2 Modification of the characteristics and quality of the ocean floor

Indicate whether the ocean disposal of sediments can have an impact on characteristics or quality of the ocean floor. Compare the physical and chemical characteristics of the sediments to be dumped with those in place at the site. Describe the effects of the presence of the submerged sediments, indicating the extent of the area affected. Describe the mitigation measures.

C-3 Impact on water quality

Indicate whether the increase in turbidity caused by the disposal operations is expected to have an impact on water quality. Specify the extent of the area affected and indicate how the anticipated levels compare with background levels in the sector.

Show that the submerged sediments are not likely to result in the introduction or re-suspension of contaminants in the water.

C-4 Disturbance of marine wildlife and habitats

C-4a Effects on marine resources

Describe the potential impacts of the disposal and presence of sediments on fish populations and other wildlife resources (marine mammals, macrofauna, benthic organisms, etc.). Specify the nature and scope of the impacts. Describe the proposed mitigation measures (seasonal restrictions due to migration patterns, adoption of alternative sediment disposal procedures, etc.).

C-4b Effects on marine habitats

Describe modifications of habitat, aquatic vegetation or sensitive areas (spawning grounds, nursery areas, migration corridors, etc.) that could result from the disposal operations or the presence of the dredged sediments on the ocean floor (burial, loss of wildlife or habitat due to encroachment or modification of the substrate, etc.). Indicate whether the changes can have an impact on biological communities or biological activity. Describe the proposed mitigation measures.

C-4c Effects of increased turbidity

Describe the impacts of increased turbidity caused by the disposal of sediments on wildlife resources. Indicate whether these changes can have an impact on the structure or size of biological communities or on biological activity. Specify the extent of the area that will be affected. Describe the proposed mitigation measures.

C-5 Disturbance of birds and coastal habitat (riparian habitat)

Indicate whether the disposal and long-term presence of dredged sediments (at the site or after their dispersal) are likely to affect birds or coastal habitats (loss or modification of habitat). Describe the impacts and mitigation measures.

C-6 Disturbance of recreational activities

Specify whether the project is likely to have direct or indirect effects on recreational activities, such as swimming, water sports, sport fishing (from land or water), hunting or any other activity carried out in the vicinity. Indicate whether provision has been made for restrictions on when the work can be carried out in relation to the periods and sites of recreational activities. Describe the anticipated impacts and proposed mitigation measures.

C-7 Disturbance of commercial activities

Specify whether the presence of equipment, the actual disposal operation, the increase in turbidity or the presence of sediments on the ocean floor are likely to have direct or indirectly effects on commercial activities (hauling in of fishing gear, navigation, aquaculture, lobster holding facilities, etc.). Indicate whether provision has been made for restrictions respecting the disposal site selected, the time at which the work can be done in relation to activity periods and sites. Describe the anticipated impacts and the proposed mitigation measures.

C-8 Impact on heritage and protected areas

If sediments are disposed of in a protected area (archaeological site, natural site or significant historic site), describe the likely direct or indirect impacts on the site. If applicable, specify the proposed mitigation measures.

C-9 Disturbance of existing infrastructure (sea water intake, outfalls, etc.)

Describe any impacts the disposal of dredged sediments is likely to have on existing infrastructure. For example, describe the effects of an increase in turbidity on the quality of water drawn by existing structures, or the impact of the fouling or burial of these structures. If applicable, identify the appropriate mitigation measures.

C-10 Other impacts

Describe any other impacts the ocean disposal of dredged sediments project is likely to have. Specify any other proposed mitigation measures.

PHASE D: PRESENCE OF NEWLY INSTALLED STRUCTURES (for which the dredging was carried out)

If the purpose of the dredging project is to install new structures, the environmental assessment must cover the impacts likely to result from the presence and operation of these structures, as well any related mitigation measures.

D-1 Effects related to the introduction of wastewater by a new outfall

In the case of the installation of a wastewater outfall, evaluate the impacts of effluent loadings: effects on marine habitats and resources, recreational activities, fishing and aquacultural activities, sea water withdrawals in the vicinity. Discuss the optimization of the project and the proposed mitigation measures.

D-2 Effects on currents and sedimentology

Evaluate the effects of a change in current patterns and anticipated changes in erosion and sedimentation patterns. Indicate whether the changes caused may require periodic maintenance dredging in the future.

D-3 Effects of the new structure on marine habitats and resources

Indicate whether the presence and operation of the new structures are likely to disturb marine habitats and resources (due to encroachment, modification of sedimentation patterns, increase in erosion, etc.). Indicate whether these changes could have effects on the structure or size of biological communities.

Indicate whether impacts are anticipated on wetlands, due to the presence of structures (encroachment, modification of sedimentation patterns, increased erosion, etc.). Indicate whether these changes could affect the species (fish, birds, mammals) that use wetlands.

D-4 Effects on the human environment

Examine the impact of the presence and operation of the newly installed structures: direct or indirect impact on recreational activities, such as fishing (from land or water), hunting or commercial activities; changes in the aesthetic features of the site, etc. Describe the proposed mitigation measures.

D-5 Other impacts

Describe any other potential impact associated with the presence and operation of the newly installed structures.

SUMMARY OF POTENTIAL IMPACTS

DREDGING AND OCEAN DISPOSAL OF SEDIMENTS, PROJECT: _____

Ref.	Potential impact	Impact anticipated (√)
PHASE A: DREDGING AND LOADING OF SEDIMENTS		
A-1	Effects on hydrodynamics, ice and sedimentology	
A-2	Modification of the characteristics and quality of the ocean floor	
A-3	Impact on water quality	
A-4a	Effects on marine resources	
A-4b	Effects on marine habitats	
A-4c	Effects of increased turbidity	
A-4d	Impacts of the use of explosives	
A-5	Disturbance of birds and coastal habitat	
A-6	Disturbance of recreational activities	
A-7a	Impact of dredging on commercial activities	
A-7b	Effects of turbidity on commercial activities	
A-7c	Disturbance of fishing grounds	
A-8	Impact on historic or archaeological sites	
A-9	Impact on aesthetic and scenic resources	
A-10	Impact on the quality of life	
A-11	Disturbance of existing infrastructure	
A-12	Risk of spills of hazardous materials	
A-13	Other impacts of dredging	
PHASE B: TRANSPORTATION BY WATER		
B-1a	Effects on marine mammals	
B-1b	Effects on fish and marine habitats	
B-2	Disturbance of birds and coastal habitat	
B-3	Disturbance of recreational activities	
B-4	Disturbance of commercial activities	
B-5	Impact on aesthetic and scenic resources	
B-6	Impact on quality of life: effects of noise	
B-7	Disturbance of existing infrastructure	
B-8	Risk of spills	
B-9	Other impacts of water transportation	
PHASE C: DISPOSAL AND PRESENCE OF SEDIMENTS		
C-1	Effects on hydrodynamics, ice and sedimentology	
C-2	Modification of the characteristics and quality of the ocean floor	
C-3	Impact on water quality	
C-4a	Effects on marine resources	
C-4b	Effects on marine habitats	
C-4c	Effects of increased turbidity	
C-5	Disturbance of birds and coastal habitats	
C-6	Disturbance of recreational activities	
C-7	Disturbance of commercial activities	
C-8	Impact on heritage and protected areas	
C-9	Disturbance of existing infrastructure	
C-10	Other impacts of the disposal and presence of sediments	

SUMMARY OF POTENTIAL IMPACTS (cont'd)

Ref.	Potential impact	Impact anticipated (√)
PHASE D: PRESENCE OF NEWLY INSTALLED STRUCTURES		
D-1	Effects related to the introduction of wastewater from a new outfall	
D-2	Effects on currents and sedimentology	
D-3	Effects on marine habitats and resources	
D-4	Effects on the human environment	
D-5	Other impacts of the presence of the infrastructures	
OTHER IMPACTS:		

3. PUBLIC CONCERNS

Public views

Specify the environmental issues raised by this project that cause public concern:

- visual aspects
- noise
- use of hazardous materials
- adverse impact on fishing and hunting
- threatened species
- recreational activities
- heritage
- Aboriginal communities
- business opportunities
- safety of residents and children
- municipal or community services
- boating and marine activities
- access to the site
- etc.

Public information

Provide details on public meetings, public notices and media coverage of the issue and all other communications to which the public had access in order to learn about the project or express its views.

Local planning

Specify how the project ties in with local, municipal, regional and provincial development projects.

Mitigation and compensation measures

Describe the measures that will be taken to facilitate the integration of the project into the environment, taking account of public concerns.

4. SUMMARY OF IMPACTS, CUMULATIVE EFFECTS AND FOLLOW-UP PROGRAM

Impacts of the proposal and mitigation measures

Provide a summary of the main impacts of the project, public concerns and mitigation measures proposed to minimize the project impacts.

Residual impacts

Provide a summary of the residual environmental impacts of the project, i.e., permanent impacts that remain after the mitigation measures have been applied.

Cumulative environmental effects¹

Indicate whether the level of the impact is likely to be modified if combined with similar impacts from other projects or activities being carried out in the vicinity (for example, activities that can affect water quality, fish habitat, fishing). Describe the anticipated cumulative effects from all of these sources.

Follow-up program

Indicate whether a follow-up program is recommended and provide a brief description. If a follow-up program is not considered necessary, explain why.

¹ Cumulative environmental effects are defined as: “The effect on the environment which results from effects of a project when combined with those of other past, existing and imminent projects and activities. These may occur over a certain period of time and distance.” *Canadian Environmental Assessment Agency, 1994. Canadian Environmental Assessment Act - Responsible Authority’s Guide. November 1994, 216 pp.*

5. SIGNATURES, IDENTIFICATION OF RESOURCE PERSONS AND RECOMMENDATIONS

References

Provide a list of the individuals contacted and the reports consulted during the screening process.

Permits / authorizations / approvals

Provide a list of the permits, authorizations and approvals obtained as part of the screening process. Attach relevant documents.

Recommendations

This form:

was completed by: _____
Position / Role: _____
Recommendation: _____
Comments: _____

was reviewed by: _____
Position / Role: _____
Recommendation: _____
Comments: _____

was reviewed by: _____
Position / Role: _____
Recommendation: _____
Comments: _____

was reviewed by: _____
Position / Role: _____
Recommendation: _____
Comments: _____

Recommendation:

- Significant adverse environmental effects unlikely or can be mitigated; the proposal can proceed, ensure implementation of mitigation measures 1
- Significant adverse environmental effects that cannot be justified in the circumstances; the proposal, at it stands, must be abandoned 2
- Uncertain whether the project is likely to cause adverse environmental effects, refer the project to the Minister of the Environment for mediation or public review 3
- Significant adverse environmental effects justified in the circumstances, refer the project to the Minister of the Environment for mediation or panel review 4
- Public concerns warrant a public review; refer the project to the Minister of the Environment for mediation or panel review 5

6. FINAL DECISION

Recommendation

This section must be completed by the REGIONAL DIRECTOR, ENVIRONMENT CANADA.

REGIONAL DIRECTOR, PLEASE CHECK ONE BOX ONLY:

Decision:

The permit can be issued because:

the project is not likely to cause significant adverse environmental effects or the effects can be reduced by mitigation measures.

The project, as proposed, must be abandoned because:

_____ it causes significant adverse environmental effects, which are not justified in the circumstances.

The project must be referred to the Minister of the Environment for mediation or public review because:

_____ it is uncertain whether the project causes significant adverse environmental effects, even with the implementation of mitigation measures;

_____ it causes significant adverse environmental effects, which are justified in the circumstances;

_____ public concerns warrant a public review.

Completed by: _____

Title: _____

Date: _____