



Natural Resources  
Canada

Ressources naturelles  
Canada

June 9, 2016

Quincy Leung  
Project Manager, Pacific and Yukon Region  
Canadian Environmental Assessment Agency

**Re: Determination of Environmental Assessment Requirements for the Kitimat Clean Refinery Project, B.C.**

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Please find attached Natural Resources Canada's (NRCan) response to the Canadian Environmental Assessment Agency's (CEA Agency) request for information for the Federal Authority Advice Record (FAAR) regarding the **Kitimat Clean Refinery Project, B.C.**

NRCan is submitting this response pursuant to section 11 of CEEA 2012. The response includes two attachments: (1) a completed "Federal Authority Advice Record" and (2) Supplemental Information in response to questions 2 (a) and 4 of the "Federal Authority Advice Record."

If you have questions or require clarification on our comments please feel free to contact me at (343)292-6360.

Sincerely,

<Original signed by>

Angeles Albornoz  
A/Environmental Assessment Officer  
Office of Chief Scientist

**Federal Authority Advice Record**

**Response due by: June 2, 2016**

Kitimat Clean Refinery Project  
 Agency File No.: 005376

Department/Agency:	Natural Resources Canada		
EA Contact Name:	Angeles Albornoz	Telephone:	343-292-6360
Address:	580 Booth St. Ottawa, ON	Fax:	
Email:	angeles.albornoz@canada.ca		

1. (a) Indicate whether the description of potential environmental effects presented in the Project Description is sufficient in characterizing project effects to the components of the environment, as defined under section 5 of CEAA 2012, that relate to your mandate, including whether these effects may be adverse.

Yes

(b) Identify any *additional* potential adverse environmental effects of the Project that are not described in the Project Description and their linkage to components of the environment under federal jurisdiction (as defined under section 5 of CEAA 2012).

n/a

(c) List any species at risk as defined by *the Species at Risk Act* (SARA) or species of conservation concern that have been assessed by COSEWIC that may be affected by the Project and are not identified in the Project Description. This information will inform the Agency's Section 79(1) notification obligations under SARA.

n/a

2. (a) List the potential powers, duties, or functions that your department may issue to enable the Project to proceed, why they might be issued, and which project components and activities are related to the powers, duties, or functions.

NRCan may be required to issue a licence under the federal *Explosives Act*, section 7, Explosives Manufacture or Magazine Licence

(b) Identify the potential environmental effects, associated with that power, duty or function identified above, as described in subsection 5(2) of CEAA 2012. Please include in your response a description of the scope or extent (i.e. project activities addressed and components of the environment included) under this power, duty or function.

n/a

Act and associated power, duty or function	Project components or activities associated with the power, duty or function	Changes to the environment resulting from the project components or activities
n/a	n/a	n/a

(c) Has your department or agency already exercised the above-noted power or performed a duty or function to enable the proposed Project to proceed in whole or in part? If yes, please describe.

Yes  No

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3. (a) Under the former Act, did your department or agency determine that an EA of this Project was likely?

Yes  No

If yes, provide additional details regarding the timing, reason for determination, and the proponent notification of the decision. If no, provide additional details regarding the timing, reason for determination, and the proponent notification of the decision.

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(b) Has your department or agency taken an EA course of action decision under paragraph 20(1)(a) or (b) or subsection 37(1) of the former Act in relation to the Project?

Yes  No

If yes, please describe. This information is requested in order to determine application of section 128(1) of CEAA 2012.

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4. Identify and describe the specialist or expert information or knowledge within your department that would be relevant to the conduct of the environmental assessment of the Project, should an environmental assessment be required. Provide the contact information for the individual that will provide the specialist or expert advice.

Please see additional information in the attachment.

<Original signed by>

Angeles Alborno

Print Name of Project Contact

Signature

A/Environmental Assessment Officer

June 9, 2016

Title of responder

Date

Please respond to the above questions by **June 2, 2016** via email at [Quincy.Leung@ceaa-acee.gc.ca](mailto:Quincy.Leung@ceaa-acee.gc.ca). Thank you.

**Natural Resources Canada's Supplemental Information in relation to  
the Federal Authority Advice Record for the Kitimat Clean Refinery Project, B.C.**

**June 9, 2016**

**Context**

The mandate of Natural Resources Canada (NRCan) is to develop, implement and deliver policies, programs, science and technology for the responsible development and use of Canada's mineral, energy and forestry resources. NRCan is a science and technology leader in the fields of earth sciences, energy, forests, and minerals and metals.

NRCan's geosciences and minerals and metals science programs advance the knowledge of Canada's landmass and mineral resources as well as science and technology for ensuring high standards of environmental performance in mineral processing and waste management. NRCan also has significant experience participating in environmental assessments for mining projects across Canada.

NRCan administers the *Explosives Act* and Regulations, which control the manufacture, testing, acquisition, possession, sale, storage, transportation, importation and exportation of many types of explosives, including: blasting explosives, fireworks, pyrotechnics, ammunitions and propellant powders. NRCan's Explosive Regulatory Division works to ensure compliance with the *Explosives Act* and Regulations and provides licensing services to manufacturers, importers and distributors of explosives within Canada. These licences, certificates and permits cover a wide range of operations from the construction of complex explosives facilities to the authorization of explosives for importation into Canada.

**Supplemental Information**

**Question 2 (a). List the potential powers, duties, or functions that your department may issue to enable the Project to proceed.**

As indicated in the "Federal Authority Advice Record", NRCan, through its role in the administration of the *Explosives Act*, may exercise a power or perform a duty or function that would enable the project to proceed.

NRCan may be required to issue licences in relation to the temporary explosives manufacturing and storage facilities currently proposed during the construction of the Marine Terminal Site. Within the EA review process, NRCan would request more information on what type of

explosives will be stored and/or manufactured on site, as well as location of the related infrastructure.

**Question 4. Identify and describe the specialist or expert information or knowledge within your department.**

NRCan is in possession of the following specialists or expert information relevant to the conduct of an EA for the project:

- Seismicity
- Marine geoscience (geohazards)
- Subaerial landslides (terrain hazards)
- Bitumen properties and behaviours in collaboration with ECCC
- Air quality (venting, flaring, fugitive emissions) and validation on estimates in collaboration with ECCC.
- Bitumen upgrading and refining process
- Pipeline materials / pipeline integrity related matters

If it is determined that an environmental assessment is required for this project, NRCan may further revise its areas of expertise as additional information in relation to the project design and the potential for environmental effects become available