

APPENDIX D

NRCan Questionnaire under the *Explosives Act*

MNR Application for Work Permit



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Explosives

Natural Resources Canada and the *Explosives Act* in the Context of *Canadian Environmental Assessment Act*

Natural Resources Canada's involvement in environmental assessment among others, results from the application of certain Acts under the authority of the federal Minister of Natural Resources. One of these Acts that can trigger the *Canadian Environmental Assessment Act* is the *Explosives Act* which regulates the manufacturing, testing, sale, storage, transportation and importation of explosives as well as the use of fireworks.

Specifically, by virtue of this Act, Natural Resources Canada (NRCan) could become involved in the environmental assessment (EA) of projects by issuing, if required, a licence for the manufacture (i.e., factory) and/or storage (i.e., magazine) of explosives (Section 7(1)(a) of the *Explosives Act*).

The issuance of such a licence could be subject to federal EA requirements under the *Canadian Environmental Assessment Act* (CEAA). Under CEAA, an EA requires that all environmental effects of a project be taken into consideration before a decision is made concerning its implementation.

Steps 1 and 2 of this questionnaire are intended to assist project proponents and NRCan in determining whether a licence under Section 7(1)(a) of the *Explosives Act* is required and whether this triggers an EA under the CEAA. Step 3 provides additional guidance on NRCan's EA requirements should one be required.

Step 1 Clearly - Enerdu planned on blasting the bedrock of the river.

Will explosives be used?

Yes No

If the answer is "Yes" please proceed to Step 2 by answering the following questions on explosives which would help NRCan determine its responsibilities under the CEAA:

Step 2 ENERDU GS EXPANSION AND REDEVELOPMENT PROJECT
ENERDU POWER SYSTEMS INC. 11 MAIN ST. ALMONTE, ON, K0A 1A0

1. Identify the project title, location and proponent name.
2. Description of the production of explosives.
 - Is a factory to make explosives required at or near the site? Please explain ^a **NO**
 - Will this project use an existing factory license for its operations? Please explain ^a **NO**
 - Will a temporary explosives factory be used for the project? Please explain ^b **NO**
3. Description of the storage of explosives
 - Is a magazine(s) to store explosives required at or near the site? Please describe **NO** (i.e., footprint, type of storage structure, site access, other ancillary works) ^c

Based on the answers to the above questions, NRCan may require an environmental assessment under CEAA for the project before issuing a licence for the manufacture and/or storage of explosives. THE PROPONENT WILL BE INFORMED BY NRCAN OR ANOTHER FEDERAL AUTHORITY ON WHETHER AN EA WILL BE REQUIRED FOR THE EXPLOSIVE FACTORY/MAGAZINES.

If an EA is required, please proceed to Step 3 for explosive-related information that will need to be included in the environmental assessment.

Step 3

Environmental Assessment Information Requirements

The following information is required for completing the environmental assessment of the factory/magazines:

- Explosives to be manufactured (typically ammonium nitrate fuel oil (ANFO) and/or emulsion/watergel). Note that if the proponent initially specifies ANFO and decides to add emulsion as the project proposal is further developed, the potential environmental effects of the project are not likely to be affected, as effluents and other aspects relevant to the assessment will not change.
- Maximum quantity of explosives at each facility.
- Infrastructures for manufacturing or storing explosive should be identified and include: explosives and innovation systems magazines, fuel storage, ammonium nitrate storage, maintenance/wash area, process vehicles and their parking area, any offices, warehouses, buildings, etc.
- Specified location (i.e., detailed site plan) of the various components of the facilities, with distances to vulnerable features such as dwellings, roads, camps, railways, bodies of water, etc. The proponent needs to demonstrate that safety distances required by the Explosives Regulatory Division (ERD) of NRCAN have been considered and met.
- Fuel and ammonium nitrate storage plans. Storage of ammonium nitrate is to be in conformance with ERD guidelines.
- Liquid effluent disposal plans.
- Evaluation of worst case scenario (i.e. accidental explosion).
- Spill contingency plans.
- Details on any temporary explosive facilities to be used for starting the project must be provided, giving the same information requirements above. The temporary installations are often required before the other facilities can be put in place and as such are often more problematic for location, containment, etc.

Please refer to the NRCAN Explosives Regulatory Division website for information on licensing, minimum distances requirements, etc., at www.erd.nrcan.gc.ca.

^a An Explosive Factory Licence is required for manufacturing facilities for explosives. A licensed facility can be a fixed site for the manufacture of blasting explosives, ammunition or fireworks, etc., or, in the case of bulk explosives, it can be the base of operations with the facilities necessary to clean, decontaminate and repair vehicles that mix and or deliver explosives directly down the borehole. If there is an existing licensed explosive factory that can serve as the base of operations for the project, then a new factory licence is not required.

^b Temporary factory sites are licensed factory sites that move with the construction of roads, hydro lines or pipelines, or are of short duration, such as some construction projects (e.g., air fields). Such sites must be supported by existing, licensed base factories equipped to properly service the process vehicles that would be located at the temporary site. A licence for a temporary factory is granted when the proponent has provided evidence that the site is truly temporary in nature.

^c A magazine is defined under the *Explosives Act* as any building, storehouse, structure or place in which any explosive is kept or stored. Please see the *Explosives Act* for exceptions.

Date Modified: 2009-09-11



Applicant (eg. landowner, licensee, permittee, etc.) (Cannot be a subcontractor) / Demandeur (ex.: propriétaires fonciers, détenteurs de permis, etc.) (Ne doit pas être un sous-traitant)

Form with fields: Name/Nom (Enerdu Power Systems Ltd), Business Phone/Tél. (Bureau) (613-257-2918), Residence Phone/Tél. (Résidence), Mailing Address/Adresse postale (9094 Cavanagh Road Ashton, ON), Postal Code/Code postal (K0A 1B0)

Site Contractor or Person in Charge/Entrepreneur ou responsable sur place

Form with fields: Name/Nom (Thomas Cavanagh Construction Limited), Business Phone/Tél. (Bureau) (613-257-2918), Residence Phone/Tél. (Résidence), Radio Contact Available/Radio (No/Non checked), Mailing Address/Adresse postale (9094 Cavanagh Road, Ashton ON), Postal Code/Code postal (K0A 1B0)

Thomas Cavanagh Construction is doing all the work.

Type of Work Proposed - Please indicate and

Type de travaux prévus - Préciser et remplir la partie appropriée

- Building Construction (checked), Work on Shorelands (checked), Work Within a Waterbody (checked), Roads or Trails or Water Crossing (unchecked)

Location of Work Permit Area/Emplacement

Form with fields: Township, Municipality, Basemap No. or Lot and Concession, Location, Subdivision or Mining Claim or U.T.M. No. (Part Lots 2 and 3 on Plan 26R473), 11 Main Street, Almonte, County of Lanark, Town of Mississippi Mills, Other i.e. Waterbody (describe), Camp Location (N/A)

Private lands only indicated - however Enerdu doesn't own the riverbed where the new powerhouse and weir are proposed to be placed, or where the riverbed excavation is proposed.

Private Land/Terres privées

Form with fields: Private Lands of - Applicant/Appartenant au demandeur (Yes checked), Oui Non À d'autres (préciser qui)

Effective Date(s)/Dates

Form with fields: Start Date/Date de début des travaux (Approximately July 2012), Finish Date/Date de fin des travaux (Approximately Decemehr 2013)

Equipment to be Used/matériel qui sera utilisé

Form with field: Please specify/Préciser (See attached / To be determined as per job requirement)

Note: The issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, or other approvals as may be required.

Remarque: La délivrance de ce permis n'exonère pas le détenteur d'obtenir les autorisations qui pourraient être exigées par d'autres gouvernements, organismes, commissions, etc.

If an applicant requires a copy of this application, he/she should retain copy prior to submitting.

Si le demandeur en a besoin, il doit conserver un exemplaire de cette demande avant de la soumettre.

Personal information on this form is collected under the authority of Section 13 of the Public Lands Act, R.S.O. 1990 and Ontario Regulation 453/96 as amended and Ontario Regulation 975 as amended, and the information will be used for the purposes of the Act and Regulations. Questions about this information should be directed to the MNR office. MNR office addresses and phone number are on the reverse of this form.

Les renseignements personnels exigés dans les présentes sont recueillis en vertu de l'article 13 de la Loi sur les terres publiques, S.R.O. 1990 et du règlement de l'Ontario 453/96 tel que modifié et du règlement 975 de l'Ontario tel que modifié. Ils seront utilisés selon les termes de la Loi et du règlement. Pour toute question à ce sujet au bureau des permis, veuillez communiquer avec les bureaux du MRN avec adresses et numéros de téléphone.

I/We hereby agree to rely solely upon the terms and conditions of the work permit issued pursuant to this application. Any change to the written work permit must be approved in writing.

Application is dated June 15 2011 - however, the first public meeting was held on Sept 26, 2011 - more than 3 months after this application!

The permit is issued subject to the conditions set out in the permit. Any change to the permit must be approved in writing by the MNR.

I certify the information given in this application is true.

Je certifie que les renseignements donnés ici sont véridiques.

Signature and Date section with fields: Signature of Applicant/Signé par, Position/Poste (LEADER RENFORCEMENT ENERGIE), Date (June 15th, 2011), Signature of contractor (if applicable)/Signature de l'entrepreneur (s'il y a lieu), Position/Poste (ADMINISTRATION), Date (June 15th, 2011), Date Application Received in Office/Date de réception de la demande