

Brussels, 17 September 2019

For the attention of the contractors and suppliers of the nuclear power production of ENGIE Electrabel

Regarding: Applicable rules for the transport of dangerous class 7 goods for the nuclear power production of ENGIE Electrabel

Dear contractor,

Belgian legislation applies to the transport of dangerous class 7 goods for the nuclear production of ENGIE Electrabel, namely Royal Decree of 22 October 2017, the European Convention on the Transport of Dangerous Goods by Road (abbreviated 'ADR'[2]) and also other references, such as those of the IAEA that are transposed into Belgian regulations.

In order to guarantee the conformity of transport of dangerous class 7 goods with the regulation (ADR7), ENGIE Electrabel has established an enhanced procedure for its management in 2013. This applies to substances that enter and leave the Doel (KCD) and Tihange (CNT) sites. This procedure was revised in 2019 to conform with legal and organizational developments.

The legislation is constantly evolving: we advise you to stay informed of any adaptations.

In practice, this means that a series of elements required by law, and necessary for administrative and practical organization of transport, must be made available to the ENGIE Electrabel site involved in your activities. Such data must be submitted according to very clear rules and within strict time limits. This applies to all transport that arrives at the Tihange or Doel site and already belongs to the ADR7 class, or will belong to the ADR7 class when it leaves the site.

If the site does not receive the requested information within the prescribed time limits, ENGIE Electrabel reserves the right to refuse dispatch or receipt of a transport.

Yours sincerely,



E. Thoelen

Director of Health & Safety / Nuclear Safety / Security

***Organisation of transport of dangerous class 7 goods for the nuclear power production of
ENGIE Electrabel***

ZNO.10010886637.000.00/30.07.2019

1. *The organization of transport is based on:*

- (1) *You, the contractor*
- (2) *Your **technical interlocutor on the site** is the privileged contact person with whom your services and activities are determined. This person will be your point of contact throughout the entire process.*
- (3) *The **transport organizer** is the specific person on site for everything related to technical and administrative formalities required for the organization of transport. However, the official formalities with regard to the authorities and the access formalities come under your authority and are your responsibility.*

For the Doel site you can contact the transport organizer via the functional mailbox:

externeradioactievetransportenkcd@bnl.engie.com

For the Tihange site, you can contact the transport organizer via the functional mailbox:

Cnt-transport-adr7@bnl.engie.com

- (4) *The competent authority for the transport of dangerous class 7 goods is the **Federal Agency for Nuclear Control (FANC)**.*

*The **National Security Authority (NVO)** is the competent authority for the issue or withdrawal of security clearances, safety certificates and safety advice.*

The regulations regarding the transport of dangerous class 7 goods were thoroughly amended in 2017: you must comply with them.

(https://fanc.be/nl/system/files/20180518-publicatie-transport-ch4_1.pdf or the attachment below, the simplified version).



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2. *Compulsory data to be provided to the transport organizer (NON-exhaustive list: Applicable regulations, in particular, the elements required for the consignment note/CMR[1]):*

- *Full name of the sender and addressee.*
- *Physical and chemical form, as well as the radiological data (dose rates and levels and type of contamination – removable or non-removable) of the substance to be transported.
A realistic estimate is required for the radiological data if the exact values are not available for the request.
It is also necessary to clarify whether there are radiological risks, and therefore that specific protective measures need to be taken for transshipment and/or lifting and unpacking.*
- *The type(s) of packaging used with certificate(s) and/or approval(s) and validity dates.*
- *The necessary (transport) means for loading and lifting, if applicable.*
- *Transport license(s) with references and validity dates.*
- *Proof of civil liability insurance and all other elements concerning the type of risk covered, with references and dates of validity.*
- *The name(s) of the team member or team members : driver, supervisor, etc. with a copy of their ADR7 certificates.*
- *The driver's license of the stowage driver and/or the person who stowed the load.*
- *The number plates of the tractor and trailer.*

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- The UN number under which the transport will take place. If the transport departs from the ENGIE Electrabel site, ENGIE Electrabel determines the UN number as sender, in accordance with regulations.
 - If present, the seal number (Belgian regulation, Royal Decree of 17 October 2011: lock and/or seals required for core material of categories A and B) with a photo, if possible and allowed (see below). ENGIE Electrabel strongly recommends placement of seals for all class 7 transport.
3. ENGIE Electrabel also reports the following to the contractor:
- (1) To be admissible, transport for the Doel site must be requested at least **fourteen** (14) calendar days prior to carrying out the actual transport, and at least **seven** (7) calendar days for the Tihange site.
 - (2) In the event that the 'goods' destined for ENGIE Electrabel fall under the specific regulation of 'dual-use goods' (see ref. [5] below), the shipper (i.e. YOU) must ensure that the export licenses to Belgium are available and valid.
 - (3) In the context of a new regulation (this has not yet been issued, ref. [8]) concerning storage on site, outside buildings, ENGIE Electrabel must adhere to a number of agreements. Please take this into account when transporting to one of our nuclear sites.
 1. Radioactive material must be stored on site as briefly as possible, meaning that the margin of delivery/collection is small. Ideally, delivery should be made directly to the relevant unit.
 2. Storage outside the buildings is subject to very strict requirements, indeed to the conditions of SCO-I & IP-II. If these cannot be met, the material must be packaged twice. Also, there may only be limited activity.
 - (4) When the material is unloaded at the Doel and Tihange sites, the sender must agree to rules with his technical interlocutor for the return of the containers. Such transport cannot (if technically possible) depart in a classified manner. In this case, thorough radiological checks must be carried out ('release of material'), which takes time and leads to additional costs for the company. The transport can also leave empty, but still belongs to class 7. In this case the transport must at least bear the number UN 2908.
 - (5) Access formalities for the sites are not only the responsibility of the ENGIE Electrabel site. The technical interlocutor can specify the formalities that the contractor must initiate with regard to the Federal Agency for Nuclear Control or other recognized institutions such as, for example, the National Safety Authority (NVO). We remind you that shipments are only received between 7:30 am and 3:30 pm.
 - (6) The use of means of communication (mobile phones, laptops, tablets, etc.) with a photo function is **absolutely prohibited within the technical perimeter of the Doel and Tihange sites.**
4. Special provisions from ENGIE Electrabel, useful information is to be found at the address (link): <https://www.engie-electrabel.be/nl/leveranciers/voorwaarden/production>
5. **Applicable legal and regulatory references (non-exhaustive list and in chronological order)**
- [1] Convention concerning the agreement for international transport of goods by road (CMR Convention), signed in Geneva on 19 May 1956, Ord. 23 December 1958, BS 26 December 1958.

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[2] Since 2001, the 'Accord européen relatif au transport international des marchandises Dangereuses par Route (ADR)' (30 September 1957) or the European convention on the international transport of dangerous goods by road is revised every two years, in particular, appendices A and B. This treaty was transposed into Belgian legislation by means of advice from the Federal Public Service for Mobility and Transport published in the Belgian Official Gazette.

The latest applicable version of the ADR dates from 1 January 2019, and made effective by publication in the Belgian Official Gazette of 27 December 2018.

The ADR regulations that apply specifically to the transport of radioactive substances, that is, those of class 7, are described in specific documents.

[3] 20/07/01 ARBIS

Royal Decree of 20 July 2001 laying down general regulations for the protection of the population, workers and the environment against the danger of ionizing radiation
Section II Physical and medical control Article 23 Physical control

[4] 10/17/11 KB [Royal Decree] Physical security

Royal Decree of 17 October 2011 on the physical protection of nuclear materials and nuclear installations
Section III Physical protection of nuclear material during transport Article 3 Minimum security levels

[5] COMMISSION DELEGATED REGULATION (EU) 2015/2420 of 12 October 2015 amending Regulation (EC) no. 428/2009 Council Regulation establishing a community regime for the control of exports, transfer, brokering and transit of dual-use items (Annex I – LIST OF DUAL USE ITEMS).

[6] Law of 7 May 2017 linked to the amendment of Law of 15 April 1994 on the protection of the population and the environment against the dangers arising from ionizing radiation and regarding the Federal Agency for Nuclear Control, as regards organization of physical controls.

[7] Royal Decree of 22 October 2017 on the transport of dangerous class 7 goods.

[8] **To appear**

Draft of Royal Decree to amend Royal Decree of 20 July 2001 laying down general regulations for protection of the population, workers and the environment against the danger of ionizing radiation

Article 27_{for}: Storage outside buildings

6. Useful addresses

Nuclear power plant Doel
Port 1800
Scheldemolenstraat
9130 Doel
Belgium
+32 3 202 20 86 (general)

Transport organizer
- Functional mailbox
externeradioactievtransportenkcd@bnl.engie.com
- Contact person
kurt.boerjan@external.bnl.engie.com

Central Nucléaire de Tihange
Avenue de l'Industrie 1
4500 Huy
Belgium
+32 85 24 30 11 (guard house)

Transport organizer
- Functional box
Cnt-transport-adr7@bnl.engie.com
- Contact person
leopold.kolodziej@external.bnl.engie.com

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Department of Security & Transport
Import & Transport service
Rue Ravenstein 36
1000 Brussels
Belgium
T: +32 (0)2 289 21 11 (general)
transport@fanc.fgov.be

National Security Authority (NVO)
Rue des Petits Carmes 15
B-1000 Brussels
Belgium
T: +32 (0)2 501 45 42 (general)
nvo-ans@diplobel.fed.be (general)