

Indaver Ireland Limited

IE Licence Review Application

Reason for Licence Review

Reference: LA010332

Issue | 31 January 2023

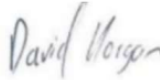


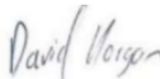


This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

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1. Introduction

Indaver Ireland Limited (Indaver) operate a waste to energy (WtE) facility in Carranstown, Duleek, Co. Meath. As per the existing Industrial Emissions (IE) Licence (Reg. No. W0167-03) the site is permitted to undertake the following activities:

Disposal or recovery of waste in waste incineration plants or in waste co-incineration plants

- a) *for non-hazardous waste with a capacity exceeding 3 tonnes per hour, and*
- b) *for hazardous waste with a capacity exceeding 10 tonnes per day.*

Indaver propose to carry out a new development at the site. The proposed development includes the following:

- Increase in the amount of hazardous waste accepted at the facility for treatment in the waste to energy plant from the current permitted 10,000 tonnes per annum (tpa) up to a maximum of 25,000 tpa;
- Increase in the annual total waste accepted at the site for treatment in the waste to energy facility from the currently permitted 235,000tpa to 250,000tpa;
- Development of an aqueous waste tank farm and unloading area for the storage and processing of aqueous liquid wastes currently accepted at the facility;
- Development of a 10MW_e hydrogen generation unit (HGU) for connection to the natural gas distribution network and for mobile hydrogen transport applications and other potential uses;
- Development of a bottom ash storage building for the storage of up to 5,000 tonnes of bottom ash which is currently produced on site;
- Additional waste acceptance capacity and infrastructure to accept up to 30,000 tpa (bringing the site total to 280,000 tpa) of third-party boiler ash and flue gas cleaning residues and other similar residues for treatment in the existing ash pre-treatment facility on site;
- Development of a warehouse, workshop and emergency response team (ERT)/office building to support existing maintenance activities on the site;
- Development of a new concrete yard and parking area for up to 10 trucks, tankers or containers on the site;
- Demolition and re-building of an existing single storey modular office building on site with a slightly increased footprint; and
- Other miscellaneous site upgrades.

This report supports the request for a licence review.

2. EPA Guidance

The EPA *Guidance for Licensees on Requests for Alterations to the installation/facility, 2014* provides advice on the mechanisms available for regularising an alteration request. The options for alterations to licences are as follows:

- A request for approval (Condition 1 approval) to the Office of Environmental Enforcement via a 'licensee return' on EDEN.
- A licence amendment (technical/clerical amendment (TA/CA)); or

- A review of the licence.

The following are defining parameters in determining the requirement for a licence review:

- Require a new class of activity or process?
- Involve development or proposed development that has already been granted planning permission or requires a grant of planning permission and was/is subject to EIA by the Planning Authority or An Bord Pleanála?
- Require the preparation of a Natura Impact Statement (NIS) for consideration by any planning/ public authority?
- Cause an increase above the capacity limitations specified in a licence?

Construction of the proposed development will facilitate two new activities as outlined in the First Schedule of the EPA Act 1992, as amended,

5.13 *(a) The production of inorganic chemicals, such as gases, such as ammonia, chlorine or hydrogen chloride, fluorine, or hydrogen fluoride, carbon oxides, sulphur compounds, nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride (production means the production on an industrial scale by chemical or biological processing);*

11.6 *Temporary storage of hazardous waste, (other than waste referred to in paragraph 11.5) pending any of the activities referred to in paragraph 11.2, 11.3, 11.5 or 11.7 with a total capacity exceeding 50 tonnes, other than temporary storage, pending collection, on the site where the waste is generated.*

The proposed development was subject to EIA by the planning authority.

The proposed development required the preparation of an NIS for consideration by the planning authority.

The proposed development includes an increase in both the licensed amount of hazardous waste accepted at the facility, and the licensed total amount of waste accepted at the facility for treatment.

3. Conclusion

In light of the need for new licensed activities related to hydrogen generation and the temporary storage of hazardous waste, the preparation of an EIAR and NIS for the proposed development, the proposed increase in the amount of waste accepted at the site, based on the EPA *Guidance for Licensees on Requests for Alterations to the installation/facility, 2014*, it has been concluded that the EPA will chose to carry out a licence review for the proposed development.

Consequently, in accordance with the Environmental Protection Agency (Industrial Emissions (Licensing)) Regulations 2013, Indaver are applying to the Environmental Protection Agency (EPA) for a review of their existing Industrial Emissions (IE) licence (Reg. No. W0167-03) to incorporate the proposed development.