

Submission No. 2.

Noeleen Keavey

From: Fiona Byrne <[REDACTED]>
Sent: 14 May 2018 12:12
To: Licensing Staff
Subject: New submission entered for Reg no: P1066-01. (Reference Number: P1066-01-180514121126)
Attachments: Crag Digital Cover Letter.pdf; Crag Digital Report.pdf
Importance: High

Title: Miss
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Ms. Dorota Richards,
Programme Officer,
Environmental Licensing Programme,
Office of Environmental Sustainability,
Licensing and Resource Use,
PO Box 3000,
Johnstown Castle Estate,
Co. Wexford
Y35 W821.

Date: 14/05/2018

Type of Consultation: Industrial Emissions Licence Application.
Reference Number: EPA Reg No. P1066-01 EHIS 0746.
Applicant: Crag Digital Limited
Facility Location: Crag Avenue, Clondalkin, Dublin 22
Class & Nature of Activity: 2.1 – Combustion of fuels in installations with a total rated thermal input of 50MW or more.

Dear Ms. Richards,

In response to the notification of this application, the following HSE departments were made aware of the application on 06 April 2018.

- Emergency Planning – Brendan Lawlor
- Estates – Jim Murphy- Environmental Services
- Assistant National Director for Health Protection – Kevin Kelleher / Marie Woods
- CHO – David Walsh

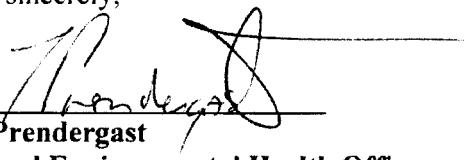
This Industrial Emissions Licence was assessed with respect to Environmental Health (EH) Impacts of the activity as outlined in the application. The assessment consisted of a study of the application and associated correspondence and documentation on the EPA website.

No responses have been received from the other HSE departments to date.

- We have made observations and submissions under the following specific area;
 - Noise
 - Pest Control
 - Dust Emissions
 - Lighting
 - Water Quality

I herein endorse the EH service response to the proposal as per the attached consultation report.

Yours sincerely,


Tom Prendergast
Principal Environmental Health Officer

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Mr. Tom Prendergast
Principal Environmental Health Officer
Environmental Health Office
4th Floor, Chambers House
Chambers Square
Tallaght
Dublin 24

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Dear Tom,

I refer to the submission of an application to the EPA for an Industrial Emissions License Reg No. P 1066-01 by Crag Digital Limited.

This IPPC licence application was received by the HSE Environmental Health Department on the 09 April 2018 and a review of the documentation submitted by the applicant was subsequently conducted.

Description

Crag Digital Ltd propose to build a computer data centre on land within the Clondalkin Industrial Estate, Dublin 22. The development will consist of a two-storey data centre with 4 large data halls. The data centre will facilitate the secure storage, and distribution of information to individuals, businesses and organisations.

A gas-powered Energy Centre is incorporated into the development so that the Data Centre is fully self-sufficient in terms of its power and cooling requirements. The Energy Centre will consist of 8 gas engines/generators each with a heat recovery boiler and chiller system.

At full capacity, the development will comprise an 84MW natural gas-powered Energy Centre (consisting of 8 no. 12MW natural gas fired generators, 7 no. running

continuously and 1 no. on standby). The Energy Centre is to be connected to the national gas network via an AGI installation to be located in the south-eastern corner of the site.

Location

The Data and Energy Centre is to be located on the former Eircom "Cable Depot" site at Clondalkin Industrial Estate, Clondalkin, Co Dublin. The site is located to the north east of Clondalkin Village close to the intersection of the M50 Motorway and the Grand Canal.

Most of the surrounding land within the industrial estate is occupied by light industrial uses there are however a number of residential properties and apartment complexes in the vicinity of the site.

Planning History

A planning application is currently lodged with South Dublin County Council regarding this development. SD18A/0068 is currently open with a further information request sought by the planning authority.

Observations

1. Noise

The NG4 document proposes noise emission limits of 55 dB(A) $L_{Aeq}(30 \text{ minutes})$ (daytime) and 45dB(A) $L_{Aeq}(30 \text{ minutes})$ (night time) at any noise sensitive location. The Environmental Noise survey completed by AWM Consulting Limited and dated March 2018 submitted as part of this application indicated that with attenuation measures and construction and design measures these can be achieved.

While construction noise may be intrusive to nearby industrial units at times, it will short term in nature. Mitigation measures are proposed in the EIAR.

The general conditions specified in Industrial Emissions Licenses regarding noise surveys, noise limits and tonal noise should also be applied to this Industrial Emissions License. The applicants have stated the calculated noise levels from the proposed energy centre can meet the EPA guideline noise levels of 55 dB(A) $L_{Aeq}(30 \text{ minutes})$ (daytime) and 45dB(A) $L_{Aeq}(30 \text{ minutes})$ (night time).

The Industrial Emissions Licence should also require annual noise monitoring to be conducted at nearby noise sensitive locations as is standard.

2. Pest Control

It is recommended that an extensive pest control programme should be required to be implemented prior to any site works. The programme should be implemented by a competent person(s). There are food businesses in the vicinity of the proposed development, communications should be encouraged between all parties