

Submission No. 1

Noeleen Keavey

Subject: FW: New submission entered for Reg no: P1066-01. (Reference Number: P1066-01-180103111556)
Attachments: P1066 01 Crag Digital Cover Letter.pdf; P1066 01 Crag Digital Ltd Report.pdf
Importance: High

From: Fiona Byrne [mailto:fiona.byrne8@hse.ie]

Sent: 03 January 2018 11:16

To: LicensingStaff <licensing@epa.ie>

Subject: New submission entered for Reg no: P1066-01. (Reference Number: P1066-01-180103111556)

Importance: High

Title:

First Name: Fiona

SurName: Byrne

Organisation Name: HSE

Address Line 1: Environmental Health

Address Line 2: Chamber House

Address Line 3: Tallaght

County: Dublin

Post Code:

Email: fiona.byrne8@hse.ie

For inspection purposes only.
Consent of copyright owner required for any other use.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

2017 10/10/2017

For inspection purposes only.
Consent of copyright owner required for any other use.



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

ENVIRONMENTAL HEALTH DEPARTMENT
4th Floor, Chambers House
Chambers Square
Tallaght
Dublin 24

Telephone 01 4686384
Email fiona.byrne8@hse.ie

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: 03/01/2018

Type of Consultation: Industrial Emissions Licence Application.
Reference Number: EPA Reg No. P1066 EHIS 0688.
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 30 November 2017.

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

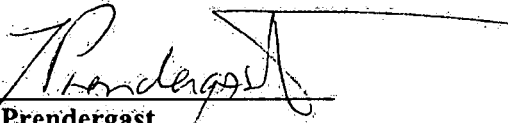
This Industrial Emissions Licence was assessed with respect to Environmental Health (EH) Impacts of the activity as outlined in the application. The assessment consisted of a study of the application and associated correspondence and documentation on the EPA website.

Michael O'Toole the Regional Emergency Management Officer responded to the notification and informed us that the East Region Emergency Management Office had no comment to make at this time regarding the application. No other 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

For inspection purposes only.
Consent of copyright owner required for any other use.



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

ENVIRONMENTAL HEALTH DEPARTMENT
4th Floor, Chambers House
Chambers Square
Tallaght
Dublin 24

Telephone 01 4686384
Email fiona.byrne8@hse.ie

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

Date: 03/01/2018

Type of Consultation: Industrial Emissions Licence Application.
Reference Number: EPA Reg No. P1066_EHS 0688.
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 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 licence review application was received by the HSE on the 30 November 2017 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 data centre will be served by a dedicated energy centre that will provide all of the 84MWe power requirements for the centre, in addition to 84MWth equivalent of cooling water for the data centre.

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 estates in the vicinity of the site.

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 Impact Assessment completed by Dr. Peter Hill and dated September 2017 submitted as part of this application indicated that with attenuation measures and construction and design measures these can be achieved.

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 implemented prior to any site works. The programme should be implemented by a competent person(s).

3. Dust Emissions

During the construction phase of the project there may be some impact on nearby sensitive properties due to dust emissions from site activities. Dust complaints have been raised by residential properties regarding businesses in the industrial estate previously. The development will be phased and therefore there is a potential for dust emissions over a longer period. This issue is however considered and addressed in chapter 9 of the of the Environmental Impact Statement submitted as part of this application.

Dust monitoring should be required at nearby sensitive locations during the construction phase of the development.

4. Lighting

There are a number of light sensitive areas in the vicinity of the development namely the Grand Canal, residential properties and the M50 motorway. A planning condition is attached to the final grant of SD13A/0271 regarding light pollution.


5. Water Quality

The site is located to the north east of Clondalkin Village close to the intersection of the M50 Motorway and the Grand Canal. The Grand Canal passes along the southern edge of the site. The site is relatively flat though there is a slight fall

towards the Grand Canal. The impact of the development both during the construction phase and operational phase on the water quality should be considered. This area is considered within the Environmental Impact Statement however on-going monitoring and conditions should be considered in the Industrial Emissions Licenses.

The HSE have no further concerns at this time regarding the application for an Industrial Emissions License Reg No. P1066-01.

Yours sincerely,



Fiona Byrne
Senior Environmental Health Officer

For inspection purposes only.
Consent of copyright owner required for any other use.

For inspection purposes only.
Consent of copyright owner required for any other use.