

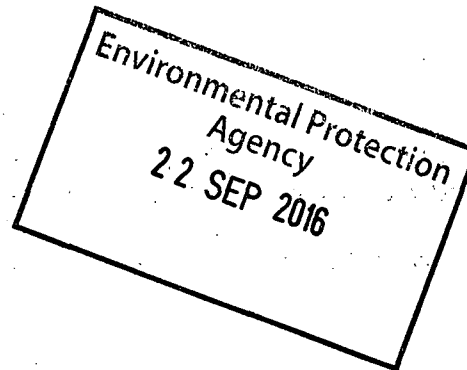


Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Environmental Health Service
Health Service Executive West
Ashbourne Hall
Ashbourne Business Park
Limerick
Phone: 061 461505
<https://www.hse.ie>

21.09.16

Ms. Gráinne Oglesby
Environmental Licensing Programme
Office of Environmental Sustainability
EPA Headquarters
PO Box 3000
Johnstown Castle Estate,
County Wexford



Our ref: 0510

Licence Ref: P0224-01

Applicant: Analog Devices B.V.

Location: Lurraga Road, Raheen Business Park, Raheen, Co. Limerick

Class & Nature of the Activity: 13.2 The Manufacture of integrated circuits.

Dear Madam,

Please find enclosed the HSE consultation report in relation to the above licence application.

If you have any queries regarding any of these reports, the initial contact is Mr. Andrew Curtin, Principal Environmental Health Officer, who will refer to an appropriate person in the responsible department.

The following HSE departments were made aware of the consultation request for the proposed development:

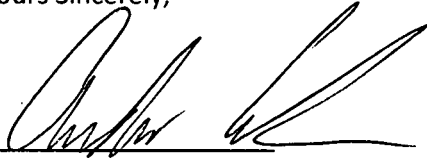
Emergency Planning – Paschal Diviney
Estates – Helen Maher, Estates Manager – Environmental Services
Assistant National Director for Health Protection – Kevin Kelleher / Marie Woods
RDPI – Matt Hurley

Environmental Health Report

The EH service response to the proposal is in the attached consultation report:

This report refers only to those sections of the documents which are relevant to the HSE.

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'Andrew Curtin', written over a horizontal line.

Andrew Curtin
Principal environmental Health Officer

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HSE EIS SUBMISSION REPORT

Environmental Health Service Consultation Report

(as a Statutory Consultee (Planning and Development Acts 2000 & Regs made thereunder)).

Report to: Office of Climate, Licensing and Resource Use, EPA Headquarters, Johnstown Castle

Type of consultation: EIS ☐ Scoping ☐ Screening (constraints) ☐
Other (please specify) ☒ Industrial Emissions Licence application

Planning Authority: Limerick City & County Council

Reference Number: P0224-01

Applicant: Analog Devices B.V.

Location: Lurrage Road, Raheen Business Park, Raheen, Co. Limerick

Our ref: 0510

Class & Nature of Activity: 13.2 The manufacture of integrated circuits

Environmental Protection
Agency
22 SEP 2016

Introduction:

The application refers to a planning application ref 15/283 for a 10 year permission for an extension to the existing plant. No EIS was submitted at the time of planning (an Environmental Report was submitted) and only the IE application form has been submitted in association with this application.

From a public health perspective, the impacts from the two phases (construction and operation) are assessed vis-à-vis:

- Air Quality Impacts
- Emissions to Surface Water
- Emissions to Sewer
- Noise & Vibration Impacts

Air Quality Impacts

Construction Phase

No significant air quality impacts are envisaged from the construction phase, other than those normally associated with construction projects.

Operational Phase

The report describes the sources of air emissions from the operational phase (once completed) as follows:

Boiler emissions – 5 existing boilers plus 3 additional boilers associated with the extension

Production emissions – 12 existing emission points discharging a range of substances – organic substances (acids), inorganic particulate matter and total particulate matter and total organic carbon – plus 5 additional emission points. Each of the additional points discharging inorganic acids Class III inorganic will discharge via scrubber systems.

Having reviewed the supplementary material on air monitoring and the Air Dispersion Modelling carried out by Byrne O Cleirigh Consultants, I am satisfied the levels obtained in monitoring fall well within both the ELV's set down in the IE licence and the relevant guideline levels – Air Quality Regulations 2011, TA Luft, Danish EPA guidelines - the impact on air quality being negative but imperceptible.

Water/wastewater Impacts

Construction Phase

As with any construction project, there is potential for adverse impact on surface waters due to unforeseen events such as spillages of fuels during the construction phase. Mitigation measures such as designated bunded re-fuelling locations are proposed.

Operational Phase

Wastewater from the plant will require treatment such as:

- Temperature adjustment
- pH balancing
- Removal of suspended solids.

Wastewater will be disposed of to the main sewer via an on-site wastewater treatment system. The emissions will be subject to licence and therefore on-going testing of wastewater will be required.

Stormwater and surface water run-off will be channelled to a petrol interceptor and disposed of to the Shannon Development surface water system which empties into the Loughmore Canal.

Noise and Vibration Impacts

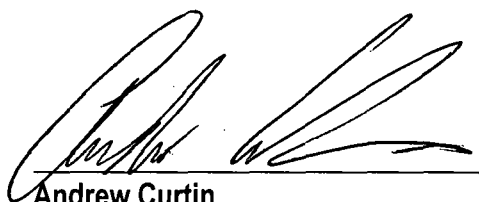
Construction Phase

The Non-Technical summary refers only to the existing noise monitoring carried out under the terms of the existing licence. As with all construction projects, it is likely that there will be a negative impact from construction noise which will be short term in nature as the construction phase. However, given the plant's proximity to the residential area of Church Road, Raheen and the adjacent estates, it is important that the hours of operation for construction as per planning conditions are adhered to.

Signed:



Thomas Boland
Environmental Health Officer



Andrew Curtin
Principal Environmental Health Officer