

Sonja Smith

From: Peter Gavican [peter.gavican@endesaireland.ie]
Sent: 18 May 2010 13:50
To: Una O'Callaghan
Cc: Sonja Smith
Subject: RE: Air Dispersion Modelling-P0606-02-Review

Ok Una,

I just thought I would send it on for information purposes as we have just completed the analysis.

Thanks,

Peter

From: Una O'Callaghan [mailto:U.O'Callaghan@epa.ie]
Sent: 18 May 2010 13:44
To: Peter Gavican
Cc: Sonja Smith
Subject: RE: Air Dispersion Modelling-P0606-02-Review

Peter,

Thank you for the information.

Please note this information will be posted on the Agency website as unsolicited additional information in relation to the licence review application.

Kind regards

Úna O'Callaghan
Office of Climate, Licensing & Resource Use
Environmental Protection Agency,
Regional Inspectorate,
Inniscarra,
Co. Cork

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From: Peter Gavican [mailto:peter.gavican@endesaireland.ie]
Sent: 18 May 2010 10:58
To: Una O'Callaghan
Subject: Air Dispersion Modelling

Hi Una,

This might be of use to you, although it is not required I asked our engineers in the UK to model the CCGT based on part load modeling (for internal/my own information), i.e. the plant operating at 50% & 60% of full load. Although our air dispersion modeling presented in the EIS and in the IPPCL revision application represents worst case scenario of 100% load it is sometimes useful to model at 50/60% to consider if there is any effect with a reduction in "velocity" in terms of dispersion/emissions. In reality the new plant will be guaranteed to be compatible with LCPD

directive and any other local legislation at such part-loads also the plant in Great Island is envisaged as a base-load plant and therefore will rarely operate at part load but in any case it is a worthwhile exercising modeling same.

Please view attached memo summarizing same.

Thanks for your time,

Best Regards

Peter

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