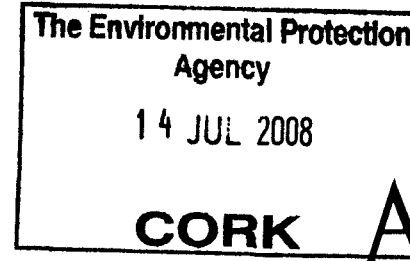


Our ref C1662/40/RL/FMcK  
File ref A. L0050  
Date 11 July 2008



www.arup.ie

Office of Climate, Licensing and Resource Use  
Environmental Protection Agency  
PO Box 3000  
Johnstown Castle Estate  
Co Wexford



ARUP

For the attention of Ms Sonja Smith

Dear Sirs

**C 1662.40 Bord Gáis Whitegate Independent Power Plant, Cork Beg, Whitegate, Co. Cork**

We refer to the submission dated 28<sup>th</sup> April 2008, made by Donal Higgins, Hayes Higgins Partnership, on behalf of 'a number of local residents', to the application for an IPPC licence by Bord Gáis Éireann for the Whitegate Independent Power Plant.

1. The Whitegate Independent Power Plant site boundary is as shown on Map 2.
2. Lands not under the control of the applicant do not form part of the application. However the effluent pipeline from the Whitegate Independent Power Plant will cross lands which are not within the site boundary.
3. All existing roads are shown on the maps, the background of which is the most up to date relevant Ordnance Survey maps. The road which extends westwards from Whitegate village is owned by ConocoPhillips Whitegate Refinery Ltd. It is shown on all relevant maps including Maps 1c, 1d, 2b, 4d, 4e, 5b, 6b, 8b.
4. The application by Gama Power Systems to Cork County Council for an effluent discharge licence has been withdrawn. This application was for the discharge of the sanitary effluent from the construction phase site offices. As these offices will be removed on completion of construction, the effluent does not form part of the IPPC licence application. The licence application was withdrawn as the site still lies within the ConocoPhillips Whitegate Refinery Ltd licence (P0266-01) boundary and Cork County Council is not the licensing authority. The Gama Power Systems proposal to discharge effluent to the Glanagow stream has been abandoned.

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..1/2

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Dublin  
50 Ringsend Road Dublin 4  
Tel +353 (0)1 233 4455

**Associate Directors** Peter Adams Tom Blake Paul Brady Ger Breen John Burgess Michael Daly James Duggan Alan J Duggan John Flaherty Ken Freeman Hugh Gray Clem Hussey Conor Lavery Tony Lynch Eileen McCarthy Robert McGrath Finbar Murphy John Mundy Andrew Nixon Joanna O'Brien Gavin O'Donnell Hugh O'Dwyer Noel O'Hara John O'Sullivan David O'Keeffe John Reale James Rooney Grainne Wolfe

Limerick  
Hartstonge House  
Upr Hartstonge Street  
Tel +353 (0)61 212 100

Ove Arup & Partners Ireland trading as Arup Consulting Engineers Company Reg No 37037 Company Secretary Marina Hand Reg Office 50 Ringsend Rd Dublin 4 0408

Galway  
Commerce House  
Flood Street  
Tel +353(0)91 566 183

5. The treated sanitary effluent emission limit values of BOD 20 mg /l, SS 30 mg/l were proposed in the EIS submitted to Cork County Council with the initial planning application for Whitegate Independent Power Plant in 2006 and in the IPPC licence application. The volume of sanitary effluent from the power plant will be relatively low as the daytime workforce will be 20, with 7 on night shift. There is very substantial assimilative capacity available in Cork Harbour. The bathing water quality will not be affected. Treating to BOD 10 mg /l, SS 10 mg/l standard would bring no perceptible environmental benefits and would increase resource and energy consumption. We note that the Urban Waste Directive and Irish Urban Waste Waters Regulations standard is BOD 25mg/l and SS 35mg/l.
6. The treated process effluent will be neutralised water with a low salt content. The main sources of this effluent are water treatment plant reject water and boiler blow down. The area of the outfall is subject to tidal currents. The dispersion available will be adequate for the requirements. The assessment of the impact is not reliant on the dispersion model information for the Dognose Bank outfall. This information was provided in Attachment I2 section I2.5.5 of the application, as part of the baseline information for the Lower Harbour.
7. The Corkbeg Beach is more than 400m to the east of the proposed outfall from the Whitegate Independent Power Plant. The outfall from the ConocoPhillips Whitegate Refinery Ltd is located much closer to the beach. This outfall, which has been licensed by the Agency (P0266-01), has a discharge 10 to 20 times greater and has not caused pollution.

Should require any clarification on the above, please contact the undersigned.

Yours faithfully  
for  
Arup Consulting Engineers



Ria Lyden

Encl.

Copy to: Declan Lynch, Bord Gáis Éireann  
Sean O'Donoghue, Environmental Protection Agency, Inniscarra

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