



## Board Direction

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**Ref:** 17.PA0013

At a meeting held on 17<sup>th</sup> June 2010 and further to the Board's consideration of the information contained in the E.I.S., Oral Hearing and submissions made with the application to the Board, the Board directs a section 37 F (1) (a) notice be issued to the applicant requesting the following information:

### PROCESS DETAILS

1. Further clarification including written description and diagrammatic representation demonstrating in detail all plant processes, process flows and design including layout and design of the proposed CHP plant and services building, the condenser plant and associated facilities. This shall show the internal plant layout within the proposed CHP and services buildings, process and material flows throughout, materials handling procedures, identification of location and design of storage areas and silos, relationship to existing rendering plant processes and infrastructure and demonstrating how processes, plant, materials movements and equipment are intended to link to the proposed new facilities. Provide details of ash handling and management including associated plant and equipment.

### STACK HEIGHT

2. The Board note reference to the optimal stack height of 46 metres in the applicants submissions to the Hearing and the proposed stack height in the application details of 40 metres. Please provide revised details of an emissions stack constructed to the stated optimum height of 46 metres along with the consequent implications for air and odour modelling and associated environmental emission levels and relating these to all relevant emission standards. This assessment shall have regard to cumulative impacts along with emission levels from the existing facility.
3. Please state if 1 and 2 above have any implications for process design as initially submitted

## VISUAL IMPACT

4. A full and detailed visual impact assessment shall be carried out demonstrating the impact of the proposed development, its stack and plume on the setting of Whitewood House (protected structure) and its parkland setting and particularly the tree lined approach to that protected structure and also an assessment of the impact from the 'Key Viewpoint' shown on map 05 (Visual Amenity) of Appendix 6 to the Meath County Development Plan 2007-2013 described as "Short Range Views of Whitewood Lough from road corridor and parking area including estate house above lough". This visual impact assessment shall consider the visual impact of the stack at the proposed height of 40 metres and also at the stated optimum height of 46m referred to in the applicants submissions and at 2 above. This shall include use of photographs and photomontage and any such visual analysis shall include a representation of the potential plume emitting from the stack including a worst case scenario of maximum emission levels and in environmental conditions which will maximise the visual impact of the plume and the likely frequency of such conditions. Such assessment shall have regard to the cumulative visual impacts of the proposed development with the existing facility and its stacks/emissions.

## HYDROLOGY/HYDROGEOLOGY

5. The Board consider that insufficient details are available in regard to the impact of the proposed development on the ground and surface water regime in the vicinity of the site. In particular further information shall be provided in regard to the potential impacts on the underlying aquifer and the 'western stream' especially having regard to the proposed development's reliance on liquid waste streams to facilitate the technological process involved. In this regard further hydrological and hydrogeological assessments shall be carried out in regard to the potential impacts on the western stream including:
  - a) detailed base flow analysis of that stream,
  - b) identification of and implications for wells in the vicinity of increased abstraction,
  - c) recharge rate of the groundwater during and after pumping,
  - d) impacts on the down gradient spring referred to in the submissions made at the Oral Hearing,
  - e) impacts of the drawdown of the water table during pumping and
  - f) delineate Zone of Contribution of the existing on site well.

Whilst noting the applicants submissions in regard to the historical reduction in abstraction of water from the applicants on site well and proposals for rainwater harvesting, the further information shall assess 'worst case' scenarios of increased water abstraction from the on site well including reference to and analysis of impact of the abstraction levels currently permitted under current EPA Licensing permit (stated as 120,000 m<sup>3</sup> per annum at the Hearing). Such assessment shall also include the implications for hydrogeological and hydrological conditions as a result of the construction of the landfill cells and the consequent changes to the ground and surface water management regimes and their implications for the western stream and underlying aquifer.

## SURFACE WATER

6. A surface water management plan shall be provided for the site including existing and proposed facility for the construction and operational phases. This shall include a full survey and analysis including photographs and sectional details demonstrating the ability and capacity of the surface water drain alongside College Road which is proposed to receive the surface waters and run off from the site.

## LANDFILL

7. Omit cell 4 due to the depth of overburden available at this location.
8. Section 7.4.1 of the EIS (Ash Landfill Site) refers to use of a bentonite clay liner (page 5 of 10) but subsequent paragraphs ((page 6 of 10) refers to use of boulder clay for the liner. In addition the submissions at the Hearing for the applicant (particularly by Mr R Goggins) and other sections of the EIS such as section 3.5.2 (landfill cells) and Appendix 13A (Molony Millar Report) sections 4.6 and 8.1 refers to use of the boulder clay on site to form a compacted clay liner. Please clarify the applicants intentions in this respect and the associated environmental implications of the proposed method to construct the liner including any associated working and operating practices and required plant, equipment and vehicles

## ASH PRODUCTION

9. Having regard to the information provided at item 1, provide a comprehensive statement on ash ratios as referred to at the oral hearing to clarify the conclusion reached regarding the bed ash to fly ash ratios. This should refer to any test studies carried out.

Note: Section 37 F(2) will apply to any information supplied in response to this notice.

Allow 10 weeks

Board Member: \_\_\_\_\_ Date: 17<sup>th</sup> June 2010.  
Angela Tunney