

# Comhairle Contae Chorcaí Cork County Council

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Grainne Oglesby,  
Office of Licencing and Control  
Environmental Protection Agency  
Johnstown Castle Estate  
County Wexford  
Ireland

Subject: IPPC Reg No. 740

**Environmental  
Protection Agency**

07 OCT 2005

**EPA**

MAIN FILE ☒

PUBLIC FILE ☒

EVALUATION FILE B4, TMC, BM  
K.C.

DATE 10/10/05  
4<sup>th</sup> October 2005

Dear Ms Oglesby,

I wish to acknowledge receipt of the correspondence regarding the appeal to IPPC Reg No. 740 from B.C.D. Engineering Charleville.

Two issues were raised which are relative to the Section 99 request

a. pH values

The applicant is appealing a pH limit of 7.0-8.0 set by the Section 99 report from cork County Council

The applicants neutralise the process waste water prior to discharge. A drinking water standard of 6.0-9.0 is not appropriate in this case as the drinking water standards relate to clean water where the parametric values for metals etc are in the ug/l concentration range and there is natural variations in drinking water sources. In the applicants procedure EP 12.1 it states that the pH may not exceed 8 or be less than 7 and a supporting letter states that the pH is always around 7.0 and Avesta recommend bringing the pH to above 7.0 as this optimises the precipitation of heavy metals

While Cork County Council could accept an increase to a pH of 8.5, I am concerned that at a pH limit of 6.0-9.0 some of the metals may precipitate out of solution and will not be as stable as at a pH of 7.0-8.5. The applicant is adjusting and neutralising the process water and a value of 7.0-8.5 is acceptable in this case.

b. Metal Limits In Process Water

Cork County Council require monitoring to be performed as regards dangerous substances under SI no. 12 of 2001. The concentration values relate to discharges to surface waters but it was my intention that monitoring be carried out under S.I. 12 for discharges to sewer and treatment plants..

**SCANNED**

12 OCT 2005

**SCANNED**

12 OCT 2005



I requested that the EPA would set values for Nitrogen, Phosphorus and dangerous substances but in the case of dangerous substances I did not require these values to meet the Dangerous substances regulations as it was a sewer discharge .Schedule B was tabulated with due regard to the above issues as I was asked to set **limits** for BOD/COD/SS and pH. A second part of that report was for additional parameters. No limits were set by Cork County Council for these parameters namely dangerous substances, Nitrogen and Phosphorus . After studying the supporting documentation supplied I am not of the opinion that the Belgian limits are appropriate here in this case The wastewater sludge **from** the Charleville treatment plant is land spread and as such the limits for metals should be set as such

Chromium -

Copper

Cadmium

Cobalt

Arsenic

Mercury

Lead

Nickel

zinc

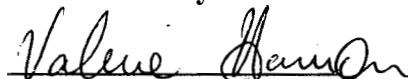
Cadmium

A total combined value of 2.0 mg/l .for the above named metals and no individual metal limits will be set for this Section.99 request and appeal.

Should you have any queries or clarification my contact details are supplied below

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Yours Sincerely



Valerie Hannon,  
Executive Scientist  
Wastewater Laboratory