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Dorota Richards
Office of Licensing and Guidance
EPA
Johnstown Castle Estate
County Wexford

14th August

EPA

Main File

Public File

Evaluation File KM

Date

23/8/06

Environmental Protection Agency

17 AUG 2006

Newmarket Co-operative Creameries Limited IPPC Application P0793-01

I received notification of the above application and have viewed the file at Inniscarra Regional Inspectorate offices.

I wish to note the following issues for inclusion by the EPA in their consideration and determination of this license.

1. A septic tank is identified on the drawings. There is insufficient information on the treatment of foul effluent from the facility for a staff of 47 and visitors/customers and also the where the treated effluent is proposed to be discharged to.
2. It is noted that treated process effluent is discharged to the Rampart stream a tributary of the Dalua River. The flow chart on Page 25 of 60 of the Application Form outlining the treatment process of the effluent from the factory identifies "option to ditch". It is not clear what this means and where this "ditch" connects to. Does it connect to the Rampart Stream or back into the treatment process? If connecting to the Rampart stream, then the impact of this organic loading needs to be considered particularly in terms of BOD, Nitrogen and phosphates.
3. This development is discharging treated effluent to the Rampart Stream, which is a tributary of the Dalua River. This river is designated under the 1998 Phosphorus Regulations and phosphorus and biological quality (Q values) targets have been set by the Environmental Protection Agency to be met by 2007.

In the case of the Dalua River, the nearest designated site is located at 18D01, 0500, downstream Owenare R. confluence. This site was rated Q4-5 in 1997, Q3-4 in 2000 and Q4 in 2003. This site is *non compliant* and under the regulations Cork County Council are obliged to upgrade the quality to Q4-5. A

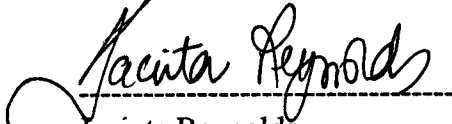


Q4-5 is equivalent to a phosphorus concentration of 0.02g/l of Ortho-phosphorus as P.

Table E. 2(ii), p42 of 60 in indicates that SW1 emissions to surface waters will discharge a concentration of 5mg/l of ortho-phosphates daily average. There is no information on the assimilative capacity of the Rampart stream receiving waters in terms of low flows or 95%tile flows to indicate that the Rampart stream can accept this effluent and assist in meeting the requirement of the regulations.

4. An assessment of the impact of the effluent on the receiving waters is required by the applicants particularly in respect of phosphorus in order to process this application effectively.

Yours Sincerely


Jacinta Reynolds
Senior Scientist

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