



CORK COUNTY COUNCIL
Comhairle Contae Chorcaí
Water Services South
County Hall
Carrigrohane Road
Cork

APPLICATION
FOR
WASTE WATER DISCHARGE
CERTIFICATE OF AUTHORISATION
FOR
COOLE EAST, Co.CORK

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Environmental
Protection Agency
23 NOV 2010

December 2009

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Glossary

BOD	Biochemical Oxygen Demand
DBO	Design, Build & Operate
DI	Ductile Iron
DoEHLG	Department of Environment, Heritage & Local Government
LAP	Local Area Plan
PE	Population Equivalent
PPP	Public Private Partnership
RWSS	Regional Water Supply Scheme
SAC	Special Area of Conservation
SI	Statutory Instrument
SLI	Serviced Land Initiative
SPA	Special Protection Area
SS	Suspended Solids
SWRBD	South Western River Basin District
uPVC	Unplasticised Polyvinyl Chloride
WMUAP	Water Management Unit Action Plan
WSIP	Water Services Investment Programme
WSS	Water Supply Scheme
WWTP	Waste Water Treatment Plant
WWW	Waste Water Works

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**WASTE WATER DISCHARGE
CERTIFICATE OF AUTHORISATION
FOR
COOLE EAST.**

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Section A

SECTION A
NON TECHNICAL SUMMARY
Coole East Waste Discharge Certificate of Authorisation

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SECTION A: NON-TECHNICAL SUMMARY

Advice on completing this section is provided in the accompanying Guidance Note.

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the discharge of waste water associated with the waste water works. This description should also indicate the hours during which the waste water works is supervised or manned and days per week of this supervision.

The following information must be included in the non-technical summary:

A description of:

- the waste water works and the activities carried out therein,
- the sources of emissions from the waste water works,
- the nature and quantities of foreseeable emissions from the waste water works into the receiving aqueous environment as well as identification of significant effects of the emissions on the environment,
- the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the waste water works,
- Further measures planned to comply with the general principle of the basic obligations of the operator, i.e., that no significant pollution is caused;
- measures planned to monitor emissions into the environment.

Supporting information should form **Attachment N° A.1**

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A1 Non-Technical Summary.

A.1.0 Introduction.

Description of the Wastewater System in the Coole East Agglomeration

Coole East is a townland located approximately 6 kilometers north of Ballyvolane in Cork City. The settlement consists of a small cluster of houses originally constructed by Cork County Council for use as local authority houses. These dwellinghouses are now in private ownership. There are 16 number houses centered on a regional road, the R-616. The settlement is located approximately 6 kilometers west of Riverstown/Glanmire.

According to the 2006 Census of population, the population of settlement is 48 persons.

The population contributing to the sewerage systems serving the Coole East settlement is in the region of 48 persons.

A1.1 Waste Water Works

The main sewerage system serving the Coole East housing settlement is a septic tank and soakpit. The treatment system was constructed to service a cluster of local authority houses. The treatment system services 16 single unit detached houses.

The agglomeration area for the Coole East settlement is shown on Drawing No. A1.

A1.2 Primary Discharge Points

The primary discharge point is located northeast of the housing settlement. The settlement is serviced by a septic tank which discharges to a soakpit.

The diameter of the outfall pipe to the soakpit is 100mm.

A.1.3 Secondary Discharge Points.

The is no secondary discharge point within the Coole East agglomeration.

A1.4 Volumes:

A1.5 Sources of emissions:

Emissions from the Coole East agglomeration arise from the following sources:

Domestic loading: Existing population

Non-domestic loading: No non- domestic loadings discharge to the treatment systems.

A1.6 Domestic loadings/Emissions.

The populations of the Coole East settlement is 50 persons. There are 50 people contributing to the primary sewerage treatment system.

A1.7 Non Domestic loading/Emissions.

There is no non-domestic loading discharging to the primary treatment systems/discharge points.

A1.8 Infiltration.

There is no volume of infiltration in to the primary sewer network/system.

A1.9 The Nature and Quantity of Foreseeable Emissions.

Cork County Council have no plans to upgrade the Coole East sewer treatment system/network.

A1.10 Environmental Impacts

There are no long term impacts from the discharge of treated effluent from the primary discharge point located at Coole East.

A1.11 Proposed Technology and Other Techniques for Preventing or Where this is Not Possible Reducing Emissions from the Waste Treatment Works.

Cork County Council have no plans to upgrade the Coole East sewer treatment system/network.

A1.12 Further Measures Planned to Comply with the General Principles of the Basic Obligations of the Operator i.e. That No Significant Pollution is Caused.

Routine monitoring of the primary treatment plant and discharge point at Coole East is presently being carried out by the Cobh/Glanmire Water Services Office.

A1.13 Summary

The Coole East housing settlement is mainly serviced by a septic tanks system which discharges to a soakpit.

There is no storm overflows from the waste water treatment system and associated sewer network.

Attachment no A1.

Supporting Information.

Drawing no. A1 Coole East Agglomeration.

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