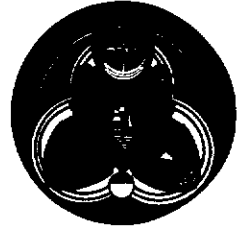


Comhairle Contae Chorcaí Cork County Council

County Hall,
Cork, Ireland.
Tel: (021) 4276891 • Fax: (021) 4276321
Web: www.corkcoco.ie
Halla an Chontae,
Corcaigh, Éire.
Fón: (021) 4276891 • Faics: (021) 4276321
Suíomh Gréasáin: www.corkcoco.ie



Environmental Protection Agency,
P.O.Box 3000,
Johnstown Castle Estate,
County Wexford.

Our Ref.: MS/saleen/1209

22 December 2009

Sub.: Waste Water Discharge License Application for the Agglomeration of Clondrohid Village, County Cork.

Dear Sir/Madam,

Please find enclosed the waste water discharge license application for the agglomeration of Clondrohid Village in County Cork.

The following are the documents enclosed as per the application guide note.

- 1 No. signed hard copies of originals.
- 1 No. copy of the originals.
- 2 No. CD-ROM with documentation in electronic searchable PDF,
- 1 No. CD-ROM with GIS Data, Table D.2, Table E.3. and Table F.2

The content of the electronic files is true copy of the original hard copy.

Yours faithfully,


Patricia Power

Director of Services



This is a draft document and is subject to revision.



Waste Water Discharge Certificate of Authorisation Application Form

EPA Ref. N^o:
(Office use only)

Environmental Protection Agency
PO Box 3000, Johnstown Castle Estate, Co. Wexford
Lo Call: 1890 335599 Telephone: 053-9160600 Fax: 053-9160699
Web: www.epa.ie Email: info@epa.ie



Tracking Amendments to Draft Application Form

| Version No. | Date | Amendment since previous version | Reason |
|--------------------|-------------|---|---------------|
| V. 1. | 23/03/09 | N/A | |

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Environmental Protection Agency
Application for a Waste Water Discharge Certificate of Authorisation
Waste Water Discharge (Authorisation) Regulations, 2007.

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ABOUT THIS APPLICATION FORM

This form is for the purpose of making an application for a Waste Water Discharge Certificate of Authorisation under the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) or for the review of an existing Waste Water Discharge Certificate of Authorisation.

The Application Form **must** be completed in accordance with the instructions and guidance provided in the *Waste Water Discharge Certificate of Authorisation Application Guidance Note*. The Guidance Note gives an overview of Waste Water Certificates of Authorisation, outlines the certification application process (including the number of copies required) and specifies the information to be submitted as part of the application. The Guidance Note and application form are available to download from the licensing page of the EPA's website at www.epa.ie.

A valid application for a Waste Water Discharge Certificate of Authorisation must contain the information prescribed in the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007). Regulation 24 of the Regulations sets out the statutory requirements for information to accompany a Certificate of Authorisation application. The application form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in the Regulations. In order to ensure a legally valid application with respect to Regulation 24 requirements, please complete the Regulation 24 Checklist provided in the following web based tool:
http://78.137.160.73/epa_wwd_licensing/

This Application Form does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Water Discharge (Authorisation) Regulations, 2007. **While every effort has been made to ensure the accuracy of the material contained in the Application Form, the EPA assumes no responsibility and gives no guarantee, or warranty concerning the accuracy, completeness or up-to-date nature of the information provided herein and does not accept any liability whatsoever arising from any errors or omissions.**

Should there be any contradiction between the information requirements set out in the Application Form and any clarifying explanation contained in the accompanying Guidance Note, then the requirements in this Application Form shall take precedence.

PROCEDURES

The procedure for making and processing of applications for waste water discharge Certificates of Authorisation, and for the processing of reviews of such Certificates, appears in the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) and is summarised below. The application fees that shall accompany an application are listed in the Third Schedule to the Regulations.

An application for a Certificate of Authorisation must be submitted on the appropriate form (available from the Agency website – <http://www.epa.ie/whatwedo/licensing/wwda/>) with the correct fee, and should contain relevant supporting documentation as attachments. The application should be based on responses to the form and include supporting written text and the appropriate use of tables and drawings. Where point source emissions occur, a system of unique reference numbers should be used to denote each discharge point. These should be simple, logical, and traceable throughout the application.

The application form is divided into a number of sections of related information. The purpose of these divisions is to facilitate both the applicant and the Agency in the provision of the information and its assessment. **Please adhere to the format as set out in the application form and clearly number each section and associated attachment, if applicable, accordingly.** Attachments should be clearly numbered, titled and paginated and must contain the required information as set out in the application form. Additional attachments may be included to supply any further information supporting the application. Any references made should be supported by a bibliography.

All questions should be answered. Where information is requested in the application form, which is not relevant to the particular application, the words "not applicable" should be clearly written on the form. The abbreviation "N/A" should not be used.

Additional information may need to be submitted beyond that which is explicitly requested on this form. Any references made should be supported by a bibliography. The Agency may request further information (under notices provided for in the Regulations) if it considers that its provision is material to the assessment of the application. Advice should be sought from the Agency where there is doubt about the type of information required or the level of detail.

Information supplied in this application, including supporting documentation will be put on public display and be open to inspection by any person.

Applicants should be aware that a contravention of the conditions of a waste water discharge Certificate of Authorisation is an offence under the Waste Water Discharge (Authorisation) Regulations, 2007.

The provision of information in an application for a waste water discharge Certificate of Authorisation which is false or misleading is an offence under Regulation 35 of the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007).

Note: Drawings. The following guidelines are included to assist applicants:

- All drawings submitted should be titled and dated.
- All drawings should have a unique reference number and should be signed by a clearly identifiable person.
- All drawings should indicate a scale and the direction of north.
- All drawings should, generally, be to a scale of between 1:20 to 1:500, depending upon the degree of detail needed to be shown and the size of the facility. Drawings delineating the boundary can be to a smaller scale of between 1:1000 to 1:10560, but must clearly and accurately present the required level of detail. Drawings showing the waste water treatment plant location, if such a plant exists, can be to a scale of between 1:50 000 to 1:126 720. All drawings should, however, be A3 or less and of an appropriate scale such that they are clearly legible. Provide legends on all drawings and maps as appropriate.
- In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.

It should be noted that it will not be possible to process or determine the application until the required documents have been provided in sufficient detail and to a satisfactory standard.

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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, where applicable, 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^o A.1**

Non-Technical Summary

Clondrohid is a small village in County Cork, located four miles north of Macroom town. Population is estimated to be 250 people living in the village, with a further 100 living nearby.

Local amenities include Clondrohid National School , community hall , number of shops, pubs , Small ware house (furniture business) and services.

The village is situated within an area comprising considerable natural and scenic amenities. In the overall strategy of this Local Area Plan, Clondrohid is designated as a village in East Cork which has experienced significant development in recent years.

The Waste Water Works and the activities carried out therein.

The sewerage networks comprises of two catchments, The Northern Catchment and the Southern Catchment. Waste water from both Catchments flows by gravity to two septic tanks which discharge into the Foherish River, of the River Lee catchment. The Foherish is a tributary of the River Sullane. Both catchments are

served by sewer systems made up of 225 mm believed to be clay pipes .

Both septic tanks are currently operated by Cork County Council.

The system which is serving the village is comprised of the following :

2 Septic Tanks (dimensions 5mx2.5mx2.5m deep)

2 Outlets to the Foherish river

1200 m of 225mm pipe networks covering the main route through the village and operating as two separate networks.

When the tanks were built in 1965 the PE contributing to them was far less than at present. The current PE contributing to the two septic tanks is approximately 250. The passage of sewage through a septic tank helps in the removal of suspended solids but there is very little biological activity and the removal of BOD is not significant.

Both septic tanks currently do not have any sampling regime in place.

The sources of emissions from the waste water works.

The population load for Clondrohid agglomeration arises from the following sources:

Domestic Population

Commercial Premises (2 outlets)

School

Infiltration

They are 22 houses built in 2007 forming the Curra Glen estate, these new houses are served by a new purpose built Waste Treatment Plant, which discharges into a percolation area. The plant is privately run and not yet taken in charge.

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 final discharges of the two catchments are to the Foherish River .The average outflow from the northern Catchment septic tank is in the order of 23 m³/day , which is equivalent to a PE of 100. The average outflow from the Southern Catchment is in the order of 35m³/day , which is equivalent to a PE of 150.

The Proposed Technology and other techniques for preventing or, where this is not possible, reducing emissions from the waste water works.

Storm Holding Tank

Measures planned to monitor emissions into the environment.

Cork County Council Environmental Department, Inniscarra has carried out some ambient monitoring in Clondrohid for the purpose of this application covering both locations.

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SECTION B: GENERAL

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

B.1 Agglomeration Details

| | |
|-------------------------------|------------|
| Name of Agglomeration: | Clondrohid |
|-------------------------------|------------|

Applicant's Details**Name and Address for Correspondence**

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

Provide a drawing detailing the agglomeration to which the Certificate of Authorisation application relates. It should have the boundary of the agglomeration to which the Certificate of Authorisation application relates clearly marked in red ink.

| | |
|-----------------|----------------------------|
| Name*: | Cork County Council |
| Address: | County Hall |
| | Carrigrohane Road |
| | Co. Cork |
| Tel: | 021 4276891 |
| Fax: | 021 4276321 |
| e-mail: | |

*This should be the name of the Water Services Authority in whose ownership or control the waste water works is vested.

*Where an application is being submitted on behalf of more than one Water Services Authority the details provided in Section B.1 shall be that of the lead Water Services Authority.

| | |
|-----------------|---|
| Name*: | Patricia Power |
| Address: | Director of Services: Operational Water Services |
| | Floor 5 (Tower) |
| | County Hall |
| | Cork |
| Tel: | 021 4285285 |
| Fax: | 021 4276321 |
| e-mail: | Patricia.power@corkcoco.ie |

*This should be the name of person nominated by the Water Services Authority for the purposes of the application.

Co-Applicant's Details

| | |
|-----------------|-----------------------|
| Name*: | Not applicable |
| Address: | Not applicable |
| | |

| | |
|----------------|-----------------------|
| Tel: | Not applicable |
| Fax: | Not applicable |
| e-mail: | Not applicable |

*This should be the name of a Water Services Authority, other than the lead authority, where multiple authorities are the subject of a waste water discharge Certificate of Authorisation application.

Design, Build & Operate Contractor Details

| | |
|-----------------|-----------------------|
| Name*: | Not applicable |
| Address: | Not applicable |
| Tel: | Not applicable |
| Fax: | Not applicable |
| e-mail: | Not applicable |

*Where a design, build & operate contract is in place for the waste water works, or any part thereof, the details of the contractor should be provided.

Attachment B.1 should contain appropriately scaled drawings / maps ($\leq A3$) of the agglomeration served by the waste water works showing the boundary clearly marked in red ink. These drawings / maps should also be provided as geo-referenced digital drawing files (e.g., ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. These drawings should be provided to the Agency on a separate CD-Rom containing sections B.2, B.3, B.4, B.5, C.1, D.2, E.3 and F.2.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | x |

B.2 Location of Associated Waste Water Treatment Plant(s)

Give the location of the waste water treatment plant associated with the waste water works, if such a plant or plants exists.

They are 22 houses built in 2007 forming the Curra Glen estate, these new houses are served by a new purpose built Waste Treatment Plant, which discharges into a percolation area. The plant is privately run and not yet taken in charge.

| | | | |
|--------------------------|------------------------|----------------|--|
| Name*: | Faughna Keohane | | |
| Address: | Clondrohid | | |
| | Cork | | |
| Grid ref (6E, 6N) | E | 129,531 | |
| | N | 75,788 | |
| | | | |

| | |
|---------------------------|------------------------------------|
| Level of Treatment | Primary |
| Primary Telephone: | 026 41047 |
| Fax: | 026 42390 |
| e-mail: | Faughna.keohane@corkcoco.ie |

*This should be the name of the person responsible for the supervision of the waste water treatment plant.

Attachment B.2 should contain appropriately scaled drawings / maps ($\leq A3$) of the site boundary and overall site plan, including labelled discharge, monitoring and sampling points. These drawings / maps should also be provided as geo-referenced digital drawing files (e.g., ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. These drawings should be provided to the Agency on a separate CD-Rom containing sections B.1, B.3, B.4, B.5, C.1, D.2, E.3 and F.2.

| | | |
|----------------------------|------------|-----------|
| Attachment included | Yes | No |
| | x | |

B.3 Location of Primary Discharge Point

Give the location of the primary discharge point, as defined in the Waste Water Discharge (Authorisation) Regulation, associated with the waste water works.

| | |
|--------------------------|---|
| Discharge to | Surface Water (The Foberish river) 129560E,74870N |
| Type of Discharge | Open Pipe to river (225mm dia. Clay pipe) |
| Unique Point Code | SW01 CLON |
| Location | The Bank OF Foberish River in Clondrohid |
| Grid ref (6E, 6N) | 129560E,74870N |

Attachment B.3 should contain appropriately scaled drawings / maps ($\leq A3$) of the discharge point, including labelled monitoring and sampling points associated with the discharge point. These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be provided to the Agency on a separate CD-Rom containing the drawings and tabular data requested in sections B.1, B.2, B.4, B.5, C.1, D.2, E.3 and F.2.

| | | |
|----------------------------|------------|-----------|
| Attachment included | Yes | No |
| | x | |

B.4 Location of Secondary Discharge Point(s)

Give the location of **all** secondary discharge point(s) associated with the waste water works. Please refer to Guidance Note for information on Secondary discharge points.

The secondary discharge point is considered as the outfall for the northern septic tank discharging into same River . Exact location could not be found, but estimated.

| | |
|--------------------------|--|
| Discharge to | Surface Water (The Foherish river) |
| Type of Discharge | 225mm pipe outfall |
| Unique Point Code | SW02 CLON |
| Location | The Foherish River in Clondrohid |
| Grid ref (6E, 6N) | 129401E ,075987N |

Attachment B.4 should contain appropriately scaled drawings / maps ($\leq A3$) of the discharge point(s), including labelled monitoring and sampling points associated with the discharge point(s). These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be provided to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.5, C.1, D.2, E.3 and F.2.

| | | |
|----------------------------|------------|-----------|
| Attachment included | Yes | No |
| | x | |

B.5 Location of Storm Water Overflow Point(s)

Give the location of **all** storm water overflow point(s) associated with the waste water works.

Not applicable as there was no SWO's seen during site inspection.

| | |
|--------------------------|-----------------------|
| Type of Discharge | Not applicable |
| Unique Point Code | Not applicable |
| Location | Not applicable |
| Grid ref (6E, 6N) | Not applicable |

Attachment B.5 should contain appropriately scaled drawings / maps ($\leq A3$) of storm water overflow point(s) associated with the waste water works, including labelled monitoring and sampling points associated with the discharge point(s). These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be provided to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.4, C.1, D.2, E.3 and F.2.

| | | |
|----------------------------|------------|-----------|
| Attachment included | Yes | No |
| | | x |

B.6 Planning Authority

Give the name of the planning authority, or authorities, in whose functional area the discharge or discharges take place or are proposed to take place.

| | |
|-----------------|---------------------------------|
| Name: | Cork County Council |
| Address: | Planning Department |
| | County Hall |
| | Carrigrohane Road |
| | Cork |
| Tel: | 021 4276891 |
| Fax: | 021 4867007 |
| e-mail: | planninginfo@corkcoco.ie |

Planning Permission relating to the waste water works which is the subject of this application:- (tick as appropriate)

| | | | |
|-------------------------------|--|---------------------------|----------|
| has been obtained | | is being processed | |
| is not yet applied for | | is not required | x |

| | |
|---|-----------------------|
| Local Authority Planning File Reference N^o: | not applicable |
|---|-----------------------|

Attachment B.6 should contain **the most recent** planning permission, including a copy of **all** conditions, and where an EIS was required, copies of any such EIS and any certification associated with the EIS, should also be enclosed. Where planning permission is not required for the development, provide reasons, relevant correspondence, etc.

| | | |
|----------------------------|------------|-----------|
| Attachment included | Yes | No |
| | | x |

B.7 Other Authorities

B.7 (i) Shannon Free Airport Development Company (SFADCo.) area

The applicant should tick the appropriate box below to identify whether the discharge or discharges are located within the Shannon Free Airport Development Company (SFADCo.) area.

Attachment B.7(i) should contain details of any or all discharges located within the SFADCo. area.

| | | |
|-------------------------------|------------|-----------|
| Within the SFADCo Area | Yes | No |
| | | x |

B.7 (ii) Health Services Executive Region

The applicant should indicate the **Health Services Executive Region** where the discharge or discharges are or will be located.

| | |
|-----------------|---|
| Name: | Health Service Executive Southern Region |
| Address: | North Lee Local Health Office |
| | Floor 2, Abbeycourt House, |
| | George's Quay, Cork |
| Tel: | 021 4965511 |
| Fax: | |
| e-mail: | info@hse.ie |

B. 8(i) Population Equivalent of Agglomeration

Table B.8.1 Population Equivalent of Agglomeration

The population equivalent (p.e.) of the agglomeration to be, or being, served by the waste water works should be provided and the period in which the population equivalent data was compiled should be indicated.

| | |
|------------------------------|---------------------|
| Population Equivalent | 250 |
| Data Compiled (Year) | 2009 |
| Method | house counts |

B.8 (ii) Pending Development: None is recorded

Where planning permission has been granted for development(s), but development has not been commenced or completed to date, within the boundary of the agglomeration and this development is being, or is to be, served by the waste water works provide the following information;

- information on the calculated population equivalent (p.e.) to be contributed to the waste water works as a result of those planning permissions granted,
- the percentage of the projected p.e. to be contributed by the non-domestic activities, and
- the ability of the waste water works to accommodate this extra hydraulic and organic loading without posing an environmental risk to the receiving waters.

B.8 (iii) FEES

State the relevant Class of waste water discharge as per Regulation 5, and the appropriate fee as per Columns 2 or 3 of the Third Schedule of the Waste Water Discharges (Authorisation) Regulations 2007, S.I. No. 684 of 2007.

| | |
|---------------------------------------|-------------------|
| Class of waste water discharge | Fee (in €) |
| <500 | € 3000 |

| Appropriate Fee Included | Yes | No |
|--------------------------|-----|----|
| | | X |

B.9 Capital Investment Programme :

State whether a programme of works has been prioritised for the development of infrastructure to appropriately collect, convey, treat and discharge waste water from the relevant agglomeration. If a programme of works has been prioritised provide details on funding (local or national Water Services Investment Plans) allocated to the capital project. Provide details on the extent and type of work to be undertaken and the likely timeframes for this work to be completed.

The DEHLG has requested that all local authorities prepare a list of assessment of needs. Cork County Council's list is awaiting approval of elected members, The outcome of the department review will not be known before March 2010. Clondrohid is included on the list as part of bundle 3 with contract titled ' Sewerage scheme upgrade'.

Attachment B.9 should contain the most recent development programme, including a copy of any approved funding for the project and a timeframe for the completion of the necessary works to take place.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | X |

B.10 Significant Correspondence

Not applicable

Provide a summary of any correspondence resulting from a Section 63 notice issued by the Agency in relation to the waste water works under the Environmental Protection Agency Acts, 1992 and 2003, as amended by Section 13 of Protection of the Environment Act, 2003.

Attachment B.10 should contain a summary of any relevant correspondence issued in relation to a Section 63 notice.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | X |

B.11 Foreshore Act Licences.

Not applicable

Provide a copy of the most recent Foreshore Act licence issued in relation to discharges from the waste water works issued under the Foreshore Act 1933.

Attachment B.11 should contain the most recent licence issued under the Foreshore Act 1933, including a copy of **all** conditions attached to the licence and any monitoring returns for the previous 12-month period, if applicable.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | |

SECTION C: INFRASTRUCTURE & OPERATION

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

C.1 Operational Information Requirements

Provide a description of the plant, process and design capacity for the areas of the waste water works where discharges occur, to include a copy of such plans, drawings or maps (site plans and location maps, process flow diagrams) and such other particulars, reports and supporting documentation as are necessary to describe all aspects of the area of the waste water works discharging to the aquatic environment. Maps and drawings must be no larger than A3 size.

The sewerage networks comprises of two catchments, The Northern Catchment and the Southern Catchment. Waste water from both Catchments flows by gravity to two septic tanks (Both septic tanks are currently operated by Gork County Council), which discharge into the Foherish River, of the River Lee catchment. The Foherish is a tributary of the River Sullane. Both catchments are served by sewer systems made up of 225 mm believed to be clay pipes .

The system which is serving the village comprise of the following items:

- 2 no. Septic Tanks (dimensions 5mx2.5mx2.5m deep)
- 2 no. Outlets to the Foherish river
- 1200 m of 225mm pipe networks covering the main route through the village and operating as two separate networks.

When the tanks were built in 1965 the PE contributing to them was far less than at present. The current PE contributing to the two septic tanks is approximately 250. The passage of sewage through a septic tank helps in the removal of suspended solids but there is very little biological activity and the removal of BOD is not significant.

C.1.1 Storm Water Overflows:

None is found

For each storm water overflow within the waste water works the following information shall be submitted:

- An assessment to determine compliance with the criteria for storm water overflows, as set out in the DoEHLG 'Procedures and Criteria in Relation to Storm Water Overflows', 1995 and any other guidance as may be specified by the Agency, and
- Identify whether any of the storm water overflows are to be decommissioned, and identify a date by which these overflows will cease, if applicable.

C.1.2 Pumping Stations

None in the scheme

For each pump station operating within the waste water works, provide details of the following:

- Number of duty and standby pumps at each pump station;
- The measures taken in the event of power failure;
- Details of storage capacity at each pump station;
- Frequency and duration of activation of emergency overflow to receiving waters. Clarify the location where such discharges enter the receiving waters.

Attachment C.1 should contain supporting documentation with regard to the plant and process capacity, systems, storm water overflows, emergency overflows, etc., including flow diagrams of each with any relevant additional information. These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be provided to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.4, B.5, D.2, E.3 and F.2.

No additional information can benefit this section of the application . Refer to section B attachments

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | X |

SECTION D: DISCHARGES TO THE AQUATIC ENVIRONMENT

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

Give particulars of the source, location, nature, composition, quantity, level and rate of discharges arising from the agglomeration and, where relevant, the period or periods during which such discharges are made or are to be made.

Details of all discharges of waste water from the agglomeration should be submitted via the following web based link: http://78.137.160.73/epa_wwd_licensing/. The applicant should address in particular all discharge points where the substances outlined in Tables 'Emissions to Surface/Groundwaters and 'Dangerous Substances Emissions' are emitted

Where it is considered that any of the substances listed in Annex X of the Water Framework Directive (2000/60/EC) or any of the Relevant Pollutants listed in Annex VIII of the Water Framework Directive (2000/60/EC) are being discharged from the waste water works or are seen to be present in the receiving water environment downstream of a discharge from the works (as a result of any monitoring programme, e.g., under the Water Framework Directive Programme of Measures) the applicant shall screen the discharge for the relevant substance.

D.1(i) Discharges to Surface Waters

Details of all discharges of waste water from the agglomeration should be supplied via the following web based link: http://78.137.160.73/epa_wwd_licensing/. Tables 'Discharge Point Details', 'Emissions to Surface/ Ground waters and 'Dangerous Substances Emissions', should be completed for the **primary** discharge point from the agglomeration and for **each secondary** discharge point, where relevant. Table 'Discharge Point Details' should be completed for **each** storm water overflow. Individual Tables must be completed for each discharge point.

Where monitoring information is available for the influent to the waste water treatment plant this data should also be provided in response to Section D.1(i).

Supporting information should form **Attachment D.1(i)**

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | ✓ |

D.1(ii) Discharges to Groundwater

Not applicable

Details of all discharges of waste water from the agglomeration should be supplied via the following web based link: http://78.137.160.73/epa_wwd_licensing/. Tables 'Discharge Point Details', 'Emissions to Surface/Ground waters and 'Dangerous Substances Emissions', should be completed for the primary discharge point from the agglomeration and for **each** secondary discharge point, where relevant. Table 'Discharge Point Details' should be completed for **each** storm water overflow. Individual Tables must be completed for each discharge point.

Where monitoring information is available for the influent to the waste water treatment plant this data should also be provided in response to Section D.1(ii).

Supporting information should form **Attachment D.1(ii)**

| | | |
|----------------------------|------------|-----------|
| Attachment included | Yes | No |
| | | ✓ |

D.2 Tabular Data on Discharge Points

Applicants should submit the following information for each discharge point:

Table D.2:

| PT_CD | PT_TYPE | LA_NAME | RWB_TYPE | RWB_NAME | DESIGNATION | EASTING | NORTHING |
|-------------|-----------|---------------------------|----------|-------------------|-------------|------------|----------|
| SW1 CLON | PRIMARY | Cork County Council | River | River Foherish | None | 12956 0 | 074870 |
| SW2 CLON | SECONDARY | Cork County Council | River | River Foherish | None | 12940 1 | 075987 |

An individual record (i.e. row) is required for each discharge point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at www.epa.ie. This data should be submitted to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.4, B.5, C.1, E.3 and F.2.

SECTION E: MONITORING

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

E.1 Waste Water Discharge Frequency and Quantities – Existing & Proposed

Provide an estimation of the quantity of waste water likely to be emitted in relation to all primary and secondary discharge points applied for. This information should be included in Table 'Discharge Point Details' via the following web based link: http://78.137.160.73/epa_wwd_licensing/.

Provide an estimation of the quantity of waste water likely to be emitted in relation to all storm water overflows within the agglomeration applied for. This information should be included in Table 'Discharge Point Details' via the following web based link: http://78.137.160.73/epa_wwd_licensing/.

Indicate if composite sampling or continuous flow monitoring is in place on the primary or any other discharge points. Detail any plans and timescales for the provision of composite sampling and continuous flow monitoring.

E.2. Monitoring and Sampling Points

Programmes for environmental monitoring should be submitted as part of the application. These programmes should be provided as Attachment E.2.

Reference should be made to, provision of sampling points and safe means of access, sampling methods, analytical and quality control procedures, including equipment calibration, equipment maintenance and data recording/reporting procedures to be carried out in order to ensure accurate and reliable monitoring.

In determining the sampling programme to be carried out, the variability of the discharge and its effect on the receiving environment should be considered.

Details of any accreditation or certification of analysis should be included.

Attachment E.2 should contain any supporting information.

No monitoring is taken place , but sampling & testing took place to satisfy the requirement of this application.

General Laboratory Information

The Wastewater Laboratory of Cork County Council is accredited for a number of analytical tests under the Irish National Accreditation Board (INAB) under the ISO 17025 international standard. The details of the Accreditation can be found in Attachment E.2. The Wastewater Laboratory of Cork County Council is currently accredited for the following parameters under the ISO 17025 system:

- pH
- Biochemical Oxygen Demand

- Chemical Oxygen Demand
- Suspended Solids
- Ammonia
- Ortho Phosphates
- Total Phosphates
- Chloride
- Sulphate

The laboratory performs a number of analytical tests e.g. fats, oil , grease and metals using an ICP-OES system and while the Wastewater Laboratory of Cork County Council is not currently accredited for extra tests the same analytical procedures and protocol are adhered to by the laboratory as would be required if the tests were accredited. The laboratory also participates in proficiency testing schemes which measure the accuracy of the results and performance of the laboratory in both the EPA scheme and the WRC Aquacheck scheme from the UK. The performance of the laboratory in these schemes is excellent and the non-accredited tests are within the performance criteria for the schemes as evaluated by the scheme coordinators.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | x | |

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E.3. Tabular data on Monitoring and Sampling Points

Applicants should submit the following information for each monitoring and sampling point:

| PT_CD | PT_TYPE | MON_TYPE | EASTING | NORTHING | VERIFIED |
|--------|-----------|----------|---------|----------|----------|
| aSw01d | Primary, | S | 129,710 | 074650 | N |
| SW2 | Effluent. | S | 129449 | 075976 | N |
| SW1 | Effluent | S | 129911 | 079317 | N |

An individual record (i.e., row) is required for each monitoring and sampling point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at www.epa.ie. This data should be submitted to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.4, B.5, C.1, D.2 and F.2.

E.4 Sampling Data

Regulation 24(i) of the Waste Water Discharge (Authorisation) Regulations 2007 requires all applicants in the case of an existing discharge to specify the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application.

Regulation 24(m) requires applicants to give details of compliance with any applicable monitoring requirements and treatment standards.

Attachment E.4 should contain any supporting information.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | |

SECTION F: EXISTING ENVIRONMENT & IMPACT OF THE DISCHARGE(S)

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

Clear and concise information is required to enable the Agency to assess the existing receiving environment. This section requires the provision of information on the ambient environmental conditions within the receiving water(s) upstream and downstream of any discharge(s) and/or the ambient environmental conditions of the groundwater upgradient and downgradient of any discharges.

Where development is proposed to be carried out, being development which is of a class for the time being specified under Article 24 (First Schedule) of the Environmental Impact Assessment Regulations, the information on the state of the existing environment should be addressed in the EIS. **In such cases, it will suffice for the purposes of this section to provide adequate cross-references to the relevant sections in the EIS.**

F.1. Impact on Receiving Surface water or Groundwater

- Details of monitoring of the receiving surface water should be supplied via the following web based link: http://78.137.160.73/epa_wwd_licensing/. Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details' should be completed for the primary discharge point. Surface water monitoring locations upstream and downstream of the discharge point shall be screened for those substances listed in Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details'. Monitoring of surface water shall be carried out at not less than two points, one upstream from the discharge location and one downstream.
- Details of monitoring of the receiving ground water should be supplied via the following web based link: http://78.137.160.73/epa_wwd_licensing/. Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details' should be completed for the primary discharge point. Ground water monitoring locations upgradient and down gradient of the discharge point shall be screened for those substances listed in Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details'. Monitoring of ground water shall be carried out at not less than two points, one upgradient from the discharge location and one downgradient.
- For discharges from secondary discharge points Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details' should be completed.
- Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Submit a copy of the most recent water quality management plan or catchment management plan in place for the receiving water body. Give details of any designation under any Council Directive or Regulations that apply in relation to the receiving surface or groundwater.

- o Provide a statement as to whether or not emissions of main polluting substances (as defined in the *Dangerous Substances Regulations S.I. No. 12 of 2001*) to water are likely to impair the environment.
- o In circumstances where drinking water abstraction points exist downstream/down gradient of any discharge describe measures to be undertaken to ensure that discharges from the waste water works will not have a significant effect on faecal coliform, salmonella and protozoan pathogen numbers, e.g., *Cryptosporidium* and *Giardia*, in the receiving water environment.
- o Indicate whether or not emissions from the agglomeration or any plant, methods, processes, operating procedures or other factors which affect such emissions are likely to have a significant effect on –
 - (a) a site (until the adoption, in respect of the site, of a decision by the European Commission under Article 21 of Council Directive 92/43/EEC for the purposes of the third paragraph of Article 4(2) of that Directive) –
 - (i) notified for the purposes of Regulation 4 of the Natural Habitats Regulations, subject to any amendments made to it by virtue of Regulation 5 of those Regulations,
 - (ii) details of which have been transmitted to the Commission in accordance with Regulation 5(4) of the Natural Habitats Regulations, or
 - (iii) added by virtue of Regulation 6 of the Natural Habitats Regulations to the list transmitted to the Commission in accordance with Regulation 5(4) of those Regulations,
 - (b) a site adopted by the European Commission as a site of Community importance for the purposes of Article 4(2) of Council Directive 92/43/EEC¹ in accordance with the procedures laid down in Article 21 of that Directive,
 - (c) a special area of conservation within the meaning of the Natural Habitats Regulations, or
 - (d) an area classified pursuant to Article 4(1) or 4(2) of Council Directive 79/409/EEC²;

¹Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora (OJ No. L 206, 22.07.1992)

²Council Directive 79/409/EEC of 2 April 1979 on the conservation of wild birds (OJ No. L 103, 25.4.1979)

Existing Receiving water

There are two septic tanks serving the Clondrohid agglomeration. The receiving water body of these septic tanks is the Foherish River, of the River Lee catchment. The Foherish is a tributary of the River Sullane. All effluent from the septic tanks is discharged via the discharge points into the River Sullane. There are no discharges to ground, or any other media.

The Foherish River rises in the Derrynasaggart Mountains and flows in a mainly Easterly direction for approximately 6.5km before changing direction and travelling south for a further 8-9km where it joins the River Sullane. The Sullane flows adjacent to the main Cork / Killarney road as far as Macroom. The River widens on the western outskirts of Macroom and meets the River Lee at the Two Mile Bridge at the Sullane Delta confluence.

The river is within the catchment drained by the River Lee (Hydrometric Area 19 – Lee, Cork Harbour and Youghal Bay). The Foherish is not a designated Salmonid river, however the River Sullane is an important fishery and is known to support Salmonid fish. According to the Ecological Scoping & Constraints Report commissioned by J.B Barry & Partners Ltd. and carried out by Limosa Environmental, the South Western Regional Fisheries Board confirmed the presence of salmon, brown trout and potentially eels and referred to the Sullane as a 'significant brown trout river' with a good spawning nursery.

The 2008 EPA Water Quality Report indicated that the water quality in the Foherish River has remained satisfactory. The biological water quality data for Station 0300, 4km upstream of the secondary discharge and 6.1km upstream of the primary discharge has a **Q4-5 value** (unpolluted waters) from **1994-2008**. Station 0600, located approximately 1.8km downstream of the primary discharge and 4km downstream of the secondary outfall has a **Q4-5 value** (unpolluted waters) from **2002-2008**.

| Station Nos. | 1990 | 1994 | 1997 | 1999 | 2002 | 2005 | 2008 |
|--------------|------|------|------|------|------|------|------|
| 0300 | 5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 |
| 0600 | 4-5 | 4-5 | 4-5 | 4 | 4-5 | 4-5 | 4-5 |

A biological Quality Rating of Q4 represents satisfactory water quality. Eutrophication is unlikely to occur in water bodies with a biological quality rating of Q4 or higher.

Areas of Conservation

The Department of the Environment, Heritage and Local Government is responsible for the designation of conservation sites in Ireland. It is required under European law and national laws to conserve habitats and species, through designation of conservation areas under Special Areas of Conservation, Natural Heritage Areas and Special Protection Areas.

Special Areas of Conseravtion

Special Areas of Conservation (cSAC) are protected under the European Union (EU) Habitats Directive (92/43/EEC), as implemented in Ireland by the European Communities (Natural Habitats) Regulations, 1997.

There are no designated SACs for the Foherish River.

Natural Heritage Areas

Under the Wildlife Amendment Act 2000, Natural Heritage Areas (NHAs) are legally protected from damage from the date they are formally proposed for designation. National Heritage Areas are the basic designation for wildlife. An NHA is an area considered important for the habitats present or which holds species of plants and animals whose habitat needs protection.

There are no designated NHA for the Foherish River.

Special Protection Area

Special Protection Areas (SPAs) are designated in order to safeguard certain habitats pursuant to EU Directive requirements. The EU Birds Directive (79/409/EEC) requires designation of SPAs for listed rare and vulnerable species, migratory species and wetlands. The Foherish River rises in the Mullaghanish Mountains this area forms part of the Mullaghanish to Musheramore Mountains SPA (Site Code 004162). The site is a Special Protected Area (SPA) under EU Birds Directive, of special conservation interest for Hen Harrier. This SPA is a stronghold for Hen Harrier. A survey in 2005 resulted in 5 confirmed breeding pairs, which represents over 3% of the national total.

The primary and secondary discharge points are both located downstream of this SPA and therefore are not directly affected by the SPA.

Urban Waste Water Treatment Directive

The Urban Waste Water Treatment Regulations, (S.I. 254 of 2001) gives effect to provisions of the Urban Wastewater Treatment Directive (91/271/EEC). The 2001 Irish Regulations in relation to the collection and treatment of urban wastewater.

Article 7 (a) states that *'Member States shall ensure that, by 31 December 2005, urban waste water entering collecting systems shall before discharge be subject to appropriate treatment as defined in Article 2 (9) in the following cases:*

- *for discharges to fresh-water and estuaries from agglomerations of less than 2 000 p.e.,*
- *for discharges to coastal waters from agglomerations of less than 10,000 p.e.'*

Surface Water Directive

The only surface water abstraction on the Foherish River is the Clondrohid water abstraction. The primary discharge and the secondary discharge point for Clondrohid are located downstream of this abstraction point, consequently **the provisions of the Surface Water Directive do not apply.**

Groundwater Directives

The Groundwater Directives (80/778/EEC) **does not apply**, as there are no discharges to ground in the current operation.

Bathing Water Directive

The Bathing Water Regulations 1992 (SI No. 155 of 1992), lay down quality requirements for inland and coastal waters as designated bathing areas. There are no designated inland bathing areas in the Foherish River, therefore Directive 76/160/EEC **does not directly apply.**

Freshwater Fish Directive & Salmonid Regulations

The Foherish River **has not been** designated under the Regulations and it is not expected that they will be designated in the immediate future.

EU Shellfish Waters Directive

EU Shellfish Waters Directive (79/923/EEC) on the quality required by shellfish waters, EU Directive on Health Conditions and the placing of Live Molluscs (91/67/EEC) and the associated Quality of Shellfish Waters Regulations 1994 (SI No. 200 of 1994) specify designated coastal and brackish waters needing protection or improvement in order to support shellfish. **The Foherish River does not discharge to any shellfish designations therefore this directive does not apply.**

Water Framework Directive

EU Directive 2000/60/EC establishing a framework for community action in the field of water policy requires member states to restore the quality of their watercourses by 2015. In order to achieve this objective, Irish local authorities are obliged to prepare river basin management plans. A report is included in **Attachment F1.1 for the Foherish River.**

Assimilative Capacity of the Receiving Water

As no upstream sample was taken the results from the downstream monitoring point were used instead.

Mass Balance Equation for Orthophosphates:

Median flow of River (SWRBD) = $1.7624\text{m}^3/\text{sec}$
Median $\text{OPO}_4\text{-P}$ in River (downstream) = 0.05mg/l
Average volume of discharge = $0.0004\text{m}^3/\text{sec}$
Median value for $\text{OPO}_4\text{-P}$ in discharge = 1.2mg/l

$$C_{\text{final}} = \frac{(1.7624 \times 0.05) + (0.0004 \times 1.2)}{(1.7624 + 0.0004)}$$

$$C_{\text{final}} = 0.0503 \text{mg/l OPO}_4\text{-P}$$

The increase in Orthophosphate due to the discharge at Clondrohid is 0.0003 mg/l.

Mass Balance Equation for BOD:

Flow of River (95%ile) = 0.2842m³/sec
 Median BOD in River (downstream) = 1.0mg/l
 Average volume of discharge = 0.0004m³/sec
 Median value for BOD in discharge = 300.0mg/l

$$C_{\text{final}} = \frac{(0.2842 \times 1.0) + (0.0004 \times 300.0)}{(0.2842 + 0.0004)}$$

$$C_{\text{final}} = 1.42 \text{mg/l BOD}$$

The increase in BOD due to the discharge at Clondrohid is 0.42mg/l.

Mass Balance Equation for Suspended Solids:

Flow of River (95%ile) = 0.2842m³/sec
 Median SS in River (downstream) = 3.0mg/l
 Average volume of discharge = 0.0004m³/sec
 Median value for SS in discharge = 350.0mg/l

$$C_{\text{final}} = \frac{(0.2842 \times 3.0) + (0.0004 \times 350.0)}{(0.2842 + 0.0004)}$$

$$C_{\text{final}} = 3.49 \text{mg/l Suspended Solids}$$

The increase in Suspended Solids due to the discharge at Clondrohid is 0.49mg/l.

Mass Balance Equation for Total Phosphates:

Median Flow of River (SWRBD) = 1.7624m³/sec
 Median TP-P in River (downstream) = 0.05mg/l
 Average volume of discharge = 0.0004m³/sec
 Median value for TPO4-P in discharge = 12.0mg/l

$$C_{\text{final}} = \frac{(1.7624 \times 0.05) + (0.0004 \times 12.0)}{(1.7624 + 0.0004)}$$

$$C_{\text{final}} = 0.0528 \text{mg/l Total Phosphates}$$

The increase in Total Phosphates due to the discharge at Clondrohid is 0.0028mg/l.

Mass Balance Equation for Total Nitrogen:

Flow of River (95%ile) = 0.2842m³/sec

Median Total Nitrogen in River (downstream) = 1.18mg/l

Average volume of discharge = 0.0004m³/sec

Median value for Total Nitrogen in discharge = 85.0mg/l

$$C_{\text{final}} = \frac{(0.2842 \times 1.18) + (0.0004 \times 85)}{(0.2842 + 0.0004)}$$

C_{final} = 1.3mg/l Total Nitrogen

The increase in Total Nitrogen due to the discharge at Clondrohid is 0.12mg/l.

Mass Balance Equation for Sulphates:

Flow of River (95%ile) = 0.2842m³/sec

Median Sulphates in River (downstream) = 30.0mg/l

Average volume of discharge = 0.0004m³/sec

Median value for Sulphates in discharge = 30.0mg/l

$$C_{\text{final}} = \frac{(0.2842 \times 30) + (0.0004 \times 30)}{(0.2842 + 0.0004)}$$

C_{final} = 30.0mg/l Sulphates

The increase in Sulphates due to the discharge at Clondrohid is 0.0mg/l.

Mass Balance Equation for Ammonia-N:

Flow of River (95%ile) = 0.2842m³/sec

Median Ammonia in River (downstream) = 0.1mg/l

Average volume of discharge = 0.0004m³/sec

Median value for Ammonia in discharge = 4.5mg/l

$$C_{\text{final}} = \frac{(0.2842 \times 0.1) + (0.0004 \times 4.5)}{(0.2842 + 0.0004)}$$

C_{final} = 0.1062mg/l Total Ammonia

The increase in Ammonia due to the discharge at Clondrohid is 0.0062mg/l.

- o This section should also contain details of any modelling of discharges from the agglomeration. Any other relevant information on the receiving environment should be submitted as **Attachment F.1**.

| | | |
|----------------------------|------------|-----------|
| Attachment included | Yes | No |
| | x | |

F.2 Tabular Data on Drinking Water Abstraction Point(s):

None, therefore this section is not applicable

Applicants should submit the following information for each downstream or downgradient drinking water abstraction point. The zone of contribution for the abstraction point should be delineated and any potential risks from the waste water discharge to the water quality at that abstraction point identified.

| ABS_CD | AGG_SERVED | ABS_VOL | PT_CD | DIS_DS | EASTING | NORTHING | VERIFIED |
|----------------|----------------|----------------|----------------|---------------------------------|----------------|----------------|----------------|
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable at this location | Not applicable | Not applicable | Not applicable |

Note: Attach any risk assessment that may have been carried out in relation to the abstraction point(s) listed.

An individual record (i.e. row) is required for each abstraction point. Acceptable file formats include Excel, Access or other upon agreement with the Agency. A standard Excel template can be downloaded from the EPA website at www.epa.ie. This data should be submitted to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.4, B.5, C.1, D.2 and E.3.

Attachment F.2 should contain any supporting information.

SECTION G: PROGRAMMES OF IMPROVEMENTS

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

G.1 Compliance with Council Directives

Provide details on a programme of improvements to ensure that emissions from the agglomeration or any premises, plant, methods, processes, operating procedures or other factors which affect such emissions will comply with, or will not result in the contravention of the;

- Dangerous Substances Directive 2006/11/EC,
- Water Framework Directive 2000/60/EC,
- Birds Directive 79/409/EEC,
- Groundwater Directives 80/68/EEC & 2006/118/EC,
- Drinking Water Directives 80/778/EEC,
- Urban Waste Water Treatment Directive 91/271/EEC,
- Habitats Directive 92/43/EEC,
- Environmental Liabilities Directive 2004/35/EC,
- Bathing Water Directive 76/160/EEC, and
- Shellfish Waters Directive (2006/113/EC).

No work is planned at both locations of this agglomeration.

Attachment G.1 should contain the most recent programme of improvements, including a copy of any approved funding for the project and a timeframe for the completion of the necessary works to take place.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | x |

G.2 Compliance with Water Quality Standards for Phosphorus Regulations (S.I. No. 258 of 1998)

Provide details on a programme of improvements, including any water quality management plans or catchment management plans in place, to ensure that improvements of water quality required under the Water Quality Standards for Phosphorous Regulations (S.I. No. 258 of 1998) are being achieved. Provide details of any specific measures adopted for waste water works specified in Phosphorus Measures Implementation reports and the progress to date of those measures. Provide details highlighting any waste water works that have been identified as the principal sources of pollution under the P regulations.

No work is planned at both locations therefore this section is not applicable.

Attachment G.2 should contain the most recent programme of improvements and any associated documentation requested under Section G.3 of the application.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | x |

G.3 Impact Mitigation

Provide details on a programme of improvements to ensure that discharges from the agglomeration will not result in significant environmental pollution.

The DEHLG has requested that all local authorities prepare a list of assessment of needs. Cork County Council's list is awaiting approval of elected members, The

outcome of the department review will not be known before March 2010. Clondrohid is included on the list as part of bundle 3 with contract titled ' Sewerage scheme upgrade'.

Attachment G.3 should contain the most recent programme of improvements, including a copy of any approved funding for the project and a timeframe for the completion of the necessary works to take place.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | x |

G.4 Storm Water Overflows

Provide details on a programme of improvements to ensure that discharges other than the primary and secondary discharges comply with the definition of 'storm water overflow' as per Regulation 3 of the Waste Water Discharge (Authorisation) Regulations, 2007.

No work has been scheduled .

Attachment G.4 should contain the most recent programme of improvements, including a copy of any approved funding for the project and a timeframe for the completion of the necessary works to take place.

| Attachment included | Yes | No |
|---------------------|-----|----|
| | | x |

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SECTION H: DECLARATION


Declaration

I hereby make application for a waste water discharge Certificate of Authorisation/revised Certificate of Authorisation, pursuant to the provisions of the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007).

I certify that the information given in this application is truthful, accurate and complete.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website.

This consent relates to this application itself and to any further information or submission, whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

Signed by : 
(on behalf of the organisation)

Date : 17th Dec 09

Print signature name: P. POWER

Position in organisation: Director of Services

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