



CORK COUNTY COUNCIL

WESTERN DIVISION

WATER SERVICES

Courthouse, Skibbereen, Co. Cork

**APPLICATION FOR WASTE
WATER DISCHARGE LICENCE
UNION HALL, CO. CORK.**

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**Application Form
22nd June 2009**



CORK COUNTY COUNCIL
WESTERN DIVISION
WATER SERVICES

Courthouse, Skibbereen, Co. Cork

Re: Waste Water Discharge Licence Application for the Agglomeration of Union Hall

Dear Sir/Madam,

Please find enclosed Cork County Council's Waste Water Discharge Licence Application for the agglomeration of Union Hall.

The following documentation is enclosed:

- 1 Nr. Signed original in hardcopy
- 1 Nr. Copy in hardcopy
- 2 Nr. CD-ROM with all documentation in electronic searchable PDF (OCR'd format)
- 1 Nr. CD-ROM with GIS Data, Tabular Data

The content of the electronic files is a true copy of the original hardcopy.



Declan Groarke
Senior Executive Engineer

This is a draft document and is subject to revision.



Waste Water Discharge Licence Application Form

EPA Ref. N^o:

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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.	11/10/07	N/A	
V. 2.	18/10/07	Inclusion of a Note 1 superscript for Orthophosphate in Tables D.1(i)(b) & D.1(ii)(b).	To highlight the requirement for filtered samples in measurement of O-Phosphate for waste water discharges.
V.3.	13/11/07	Amend wording of Section F.2 to include 'abstraction'. Amend wording of Checklist in Annex to reflect wording of Regulation 16(5) of S.I. No. 684 of 2007. Inclusion of unique point code for each point of discharge and storm water overflow.	To accurately reflect the information required To accurately reflect the Regulations and to obtain the application documentation in appropriate format. To aid in cross-referencing of application documentation.
V.4	18/04/08	Inclusion of requirement to provide name of agglomeration to which the application relates. Amend wording of Section B.7. (iii) to reflect the title of Water Services Authority. Addition of new Section B.9 (ii) in order to obtain information on developments yet to contribute to the waste water works. Addition of sub-sections C.1.1 & C.1.2 in order to clarify information required for Storm water overflow and pumping stations within the works. Amend Section D.1 to include a requirement for monitoring data for influent to waste water treatment	To accurately determine the agglomeration to be licensed. To accurately reflect the Water Services Act, 2007. To obtain accurate population equivalent figures for the agglomeration. To obtain accurate information on design and spill frequency from these structures. To acquire information on the population loading onto the plant and to provide information on performance rates within the plant.

		plants, where available. Amend wording of Section E.1 to request information on composite sampling/flow monitoring provisions.	To acquire accurate information on the sampling and monitoring provisions for discharges from the works.
V.5	07/07/2008	Amend wording of B.7 (iii) to include reference to Water Services Authorities. Amend Section G.1 to include Shellfish Waters Directive.	To accurately reflect the Water Services Act, 2007 requirements.
V.6	26/08/2008	Amendments to Section D to reflect new web based reporting. Amended requirements for reporting on discharges under E.1 Waste Water Discharge Frequency and Quantities. Amendment to Section F.1 to specify the type of monitoring and reporting required for the background environment. Removal of Annexes to application form.	To clarify the reporting requirements. To streamline reporting requirements. To clarify the reporting requirements for ambient monitoring. To reflect the new web based reporting requirements.

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Environmental Protection Agency
 Application for a Waste Water Discharge Licence
 Waste Water Discharge (Authorisation) Regulations 2007.

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Waste Water Discharge Authorisation Application Form

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ABOUT THIS APPLICATION FORM

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

The Application Form **must** be completed in accordance with the instructions and guidance provided in the *Waste Water Discharge Licensing Application Guidance Note*. The Guidance Note gives an overview of Waste Water Licensing, outlines the licence 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 Licence must contain the information prescribed in the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007). Regulation 16 of the Regulations sets out the statutory requirements for information to accompany a licence 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 in respect of Regulation 16 requirements, please complete the Regulation 16 Checklist provided in Annex 2.

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 licences, and for the processing of reviews of such licences, appear 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.

Prior to submitting an application the applicant must publish (within the two weeks prior to date of application) in a newspaper circulating in the area, and erect at the point nearest to the waste water treatment plant concerned or, if no such plant exists, at a location nearest the primary discharge point, a notice of intention to apply. An applicant, not being the local authority in whose functional area the relevant waste water discharge, or discharges, to which the relevant application relates, takes place or is to take place, must also notify the relevant Local Authority, in writing, of their intention to apply.

An application for a licence must be submitted on the appropriate form (available from the Agency) 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 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 wastewater discharge licence is an offence under the Waste Water Discharge (Authorisation) Regulations, 2007.

The provision of information in an application for a wastewater discharge licence 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 wastewater 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 wastewater associated with the wastewater works. This description should also indicate the hours during which the wastewater 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**

The Wastewater Works and Activities Carried Out Therein

Introduction

Union Hall is a small fishing village located in County Cork, Ireland. Its nearest neighbour to the west is Castletownshend; to the east, Glandore. It is approximately 10 kilometers east of Skibbereen. According to the last census (2006), 192 people live in Unionhall. This increases substantially in the summer time owing to the influx of tourists and visitors. The village has been developed around a road junction between the road to the Skibbereen Road (N71) in the West, the road to Glandore and Leap to the north and the road to Castletownshend to the south. There is no direct access onto a regional road and there is no public transport to the settlement. All roads meet in the town centre, which is close to the causeway with the bay waters of Glandore Harbour, giving an attractive townscape.

Existing Situation

Existing Waste Water Treatment Plant

The existing wastewater treatment plant in Union Hall is located approximately 200m east of the village and 350m west of Keelbeg Pier on the edge of the shoreline. The treatment process is a primary sedimentation system consisting of a septic tank, which was constructed in the 1970's and has a capacity of 68m³.

The collection system has been extended in a number of areas over the years to incorporate new developments. The new development of 44 houses at Listarkin, west of the village has its own septic tank where wastewater from the dwellings receives primary treatment before entering the public sewer.

The discharge from the WWTP is to Glandore Harbour via a 225mm pipe below low water mark. The location of the existing outfall from the septic tank is shown in Attachment B3, Drawing No. UNION B3.01.

There are two pumping stations (PS's) in the network. The first PS is located adjacent to the Rowing Club at the east side of the village and is maintained by Cork County Council. It collects flows from the village and lifts flows eastward to the WWTP.

The second pump station is located adjacent to Keelbeg Pier and serves the properties in the immediate vicinity. The PS receives and delivers foul flows to the head of the 225mm diameter sewer on Pier Road after which it flows under gravity to the WWTP. Cork County Council also maintains this pump station. Both pumping stations have emergency overflow to discharge points. The location of these discharge points and pumping stations are shown on Attachment B5.

Sources of Emissions from the Waste Water Works

The WWTP handles organic and hydraulic flows from the following sources:

- Domestic Population
- Commercial Sector
- School

The most significant loading in terms of quantity is the domestic population generated load, which can vary due to local tourism and second homeowners.

The existing pe is currently estimated at 634 with a consequent dry weather flow (DWF) of 145.8m³ per day.

In order to cater for future expansion an allowance of 10% for growth in the domestic population is made. In addition, an allowance of 20% for growth in the Commercial/Industrial sections is included. The future pollution load on the works is as follows:

	<u>Population Equivalent (PE)</u>
Current Estimated Load	634
Pending Developments	42
Allow 10% increase in domestic load (i.e. 10% of 634pe) to 2015	63
Allow 20% increase in load for Commercial/Industrial to 2015 (i.e. 20% of 24)	<u>6</u>
Total Future PE Equivalent	<u>745</u>

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 current population of Union Hall is 192 (Ref. 2006 Census Table 5). Sewage is currently treated via a septic tank and thus it is assumed that primary treatment occurs prior to discharge. The EPA Document "Treatment Systems for Small Communities, Business, Leisure Centres and Hotels" (EPA 1999) details wastewater inflow characteristics for domestic and commercial sources.

As Union Hall is considered mainly residential and the amount of industrial / commercial premises in the village is minimal, the only wastewater flow to be considered would be domestic sewage from toilet facilities. Therefore, the following are the inflow characteristics assumed; Suspended Solids 500mg/l, BOD 300mg/l.

Based on a current population equivalent of 634 and a discharge volume of 60gBOD/person/day the total BOD reaching the treatment plant is estimated at 38.0kg/day BOD.

The main function of a septic tank is to act as primary settlement tank removing some of the BOD and the majority of the suspended solids. The EPA publication 'Primary, secondary and tertiary treatment' (EPA 1997) estimates that typically 50-70% of suspended solids are removed in primary settlement tanks; BOD is reduced by 20-50% and the bacterial count by 25-75%. According to the National Urban Waste Water Study (NUWWS) the reduction to the BOD load would be approximately 30% and approximately 50% to the Suspended Solids load.

This would result in a BOD discharge to the bay of 24.7kg/day.

For the purposes of this application the relevant pe chosen for the licence period is 745, being the pe estimated at end of that period.

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

Proposals for upgrading the scheme to include improved treatment and to cater for existing and proposed development are included in the Assessment of Needs. This will hopefully lead to inclusion in the Water Services Investment Programme 2010-2014.

Further measures planned to comply with the general principle of the basic obligations of the operator, i.e., that no significant pollution is caused

Repeated monitoring and sampling at designated locations.

Other technologies proposed would include appropriate telemetry and control techniques to monitor operations of the scheme.

Measures planned to monitor emissions into the environment

The emissions from the existing septic tank can be monitored through the sampling point SW01 Union (see Map UNION B3.01 for location). Samples of the influent and effluent were taken from the septic tank, results of which are attached to this application.

It is proposed to sample once yearly the influent to and effluent from the septic tank.

SECTION B: GENERAL

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

B.1 Agglomeration Details

Name of Agglomeration: Union Hall, Co. Cork
--

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 licence application relates. It should have the boundary of the agglomeration to which the licence application relates clearly marked in red ink.

Name*:	Cork County Council
Address:	Water Services (Western Division)
	Courthouse
	Skibbereen
	Co. Cork
Tel:	028-21299
Fax:	028-21995
e-mail:	declan.groarke@corkcoco.ie

*This should be the name of the water services authority in whose ownership or control the wastewater 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*:	Mr Declan Groarke, S.E.E.
Address:	Water Services, Western Division,
	Cork County Council,
	The Courthouse, Skibbereen
	Co. Cork
Tel:	028-21299
Fax:	028-21995
e-mail:	declan.groarke@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:	
Tel:	
Fax:	
e-mail:	

*This should be the name of a water services authority, other than the lead authority, where multiple authorities are the subject of a wastewater discharge (authorisation) licence application.

Design, Build & Operate Contractor Details

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

*Where a design, build & operate contract is in place for the wastewater 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 wastewater 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
	✓	

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

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

Name*:	Mr. James Dwyer, S.E.E.
Address:	Cork County Council, The Rectory, Skibbereen, Co Cork
Grid ref (6E, 6N)	121147E, 034582N
Level of Treatment	Primary (Septic Tank)
Primary Telephone:	+353 28 28128
Fax:	+353 28 28541
e-mail:	james.dwyer@corkcoco.ie

*This should be the name of the person responsible for the supervision of the wastewater 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
	✓	

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 wastewater works.

Type of Discharge	Open Pipe
Unique Point Code	SW01
Location	WWTP at Union Hall
Grid ref (6E, 6N)	121152E, 034613N

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
	✓	

B.4 Location of Secondary Discharge Point(s)

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

Type of Discharge	Not Applicable.
Unique Point Code	
Location	
Grid ref (6E, 6N)	

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
		✓

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

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

There are no storm water overflows in the sewerage system.

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

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 - Planning Department
Address:	Norton House North Street Skibbereen Co. Cork
Tel:	+353 28 40340
Fax:	+353 28 21660
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	✓

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
		✓

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.

- Not Applicable

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

Within the SFADCo Area	Yes	No
		✓

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 South
Address:	Area Headquarters
	Hospital Grounds
	Skibbereen.
Tel:	+353 28 40400
Fax:	+353 28 21006
e-mail:	info@hse.ie

B.7 (iii) Other Relevant Water Services Authorities

Regulation 13 of the Waste Water Discharge (Authorisation) Regulations, 2007 requires all applicants, not being the water services authority in whose functional area the relevant waste water discharge or discharges, to which the relevant application relates, takes place or is to take place, to notify the relevant water services authority of the said application.

Name:	Not Applicable
Address:	
Tel:	
Fax:	
e-mail:	

Relevant Authority Notified	Yes	No
		✓

Attachment B.7(iii) should contain a copy of the notice issued to the relevant local authority.

Attachment included	Yes	No
		✓

B.8 Notices and Advertisements

Regulations 10 and 11 of the Waste Water Discharge (Authorisation) Regulations, 2007 require all applicants to advertise the application in a newspaper (within two weeks prior to date of application) and by way of a site notice. See *Guidance Note*.

Attachment B.8 should contain a copy of the site notice and an appropriately scaled drawing ($\leq A3$) showing its location. **The original application must include the original page of the newspaper in which the advertisement was placed.** The relevant page of the newspaper containing the advertisement should be included with the original and one (1) copy of the application.

Attachment included	Yes	No
	✓	

B.9 (i) Population Equivalent of Agglomeration

TABLE B.9.1 POPULATION EQUIVALENT OF AGGLOMERATION

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

Current - 2009

Population Equivalent	615
Data Compiled (Year)	2009
Method	House Count

Future - 2015

Population Equivalent	745
Data Compiled (Year)	2009
Method	House Count and Future population trends

For the purposes of this application the relevant pe chosen for the licence period is 745, being the pe estimated at end of that period.

B.9 (ii) Pending Development

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 wastewater works to accommodate this extra hydraulic and organic loading without posing an environmental risk to the receiving water habitat.

Method of Calculating Pending Developments

Planning Permission has been granted for the following developments in Union Hall but construction has not commenced.

- 14 No. Dwellings @ Listarkin

The new development of 14 houses will have its own sewage treatment system to include treatment unit, pumping station and mechanical sand filter (effluent from same will discharge to main public sewer) and all associated site and drainage works.

It is estimated that the current capacity of the septic tank is approximately 400 pe. Existing development amounts to approximately 634 pe. For this reason it is a requirement of Planning that development that is currently taking place in the village provides its own sewage treatment prior to discharge to the public sewerage system.

B.9 (iii) FEES

State the relevant Class of waste water discharge as per Column 1 of the Second Schedule, 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 €)
Discharges from agglomerations with a population equivalent of 500 to 1,000	€10,000

Appropriate Fee Included	Yes	No
	✓	

B.10 Capital Investment Programme

State whether a programme of works has been prioritised for the development of infrastructure to appropriately collect, convey, treat and discharge wastewater from the relevant agglomeration. If a programme of works has been prioritised provide details on funding, (local or national), 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.

Proposals for upgrading the scheme to include improved treatment and to cater for existing and proposed development are included in the Assessment of Needs. This Assessment includes for bundling Leap, Glandore and Union Hall in order to provide for improved treatment by DBO. This then will provide effluent treatment to comply with Urban Wastewater Directive and improve water quality in area used extensively for aquatic activities.

Attachment B.10 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
		✓

B.11 Significant Correspondence

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.

- Not Applicable

Attachment B.11 should contain a summary of any relevant correspondence issued in relation to a Section 63 notice.

Attachment included	Yes	No
		✓

B.12 Foreshore Act Licences

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 included	Yes	No
	✓	

Attachment B.12 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.

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.

C.1.1 Storm Water Overflows

For each storm water overflow within the wastewater 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

For each pump station operating within the wastewater 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.

Description of the existing plant process and design capacity

The existing wastewater treatment plant in Union Hall is located approximately 200m east of the village and 350m west of Keelbeg Pier on the edge of the shoreline. The existing collection system incorporates 2 pumping stations and a septic tank providing primary treatment. The effective capacity of the tank is 63m³. It is estimated that the current capacity of the septic tank is approximately 400 pe (population equivalent units). The sewerage scheme was constructed in the late 1970's. It is a combination of 150mm and 225mm PCC pipe. The collection system has been extended in a number of areas over the years to incorporate new developments. The new development of 44 houses at Listarkin, west of the village has its own septic tank where wastewater from the dwellings receives primary treatment before entering the public sewer.

The primary discharge outfall is located approximately 40m north of the WWTP. This is a 225mm diameter pcc pipe, which runs from the septic tank and discharges into the harbour below the low tide level.

The septic tank provides primary settlement only, which according to the National Urban Waste Water Study (NUWWS) reduces the BOD load by approximately 30% and the Suspended Solids load by approximately 50%. The septic tank is de-sludged every year and the sludge is transported off site for treatment and disposal.

Pumping Stations

There are two pumping stations (PS's) in the network. The first PS is located adjacent the Rowing Club at the east side of the village and is maintained by Cork County Council. It collects flows from the village and lifts flows eastward to the WWTP. It operates with two pumps, one duty – one stand-by. It has a pump sump capacity of 15.2m³ with a pumping capacity of 40m³/hr.

The second pump station is located adjacent to Keelbeg Pier and serves the properties in the immediate vicinity. The PS receives and delivers foul flows to the head of the 225mm diameter sewer on Pier Road after which it flows under gravity to the WWTP. This pump also operates with two pumps, one duty – one stand-by.

Frequency & duration of activation of emergency overflow to receiving waters

Only occurs if there is failure of the pump or a power cut.

Location of discharge entering the receiving waters

The primary discharge is located approximately 40m north of the septic tank, shown on Drawing no. UNION B3.01, where it enters the coastal water of Glandore Harbour.

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.

Attachment included	Yes	No
	✓	

C.2 Outfall Design and Construction

Provide details on the primary discharge point & secondary discharge points and storm overflows to include reference, location, design criteria and construction detail.

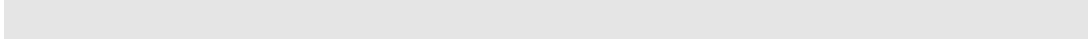
The Primary discharge point is located approximately 40m north of the septic tank and outfalls to below low water mark. The effluent is discharged via a 225mm diameter pipe encased in concrete.

Table C.2.1: Details of Existing Discharging Outfalls

Discharge	Reference	Location	Design Criteria	Construction Details
Primary	SW01 Union	E:121154 N:034584	225mm Discharge pipe	Discharge below Low water mark

Attachment C.2 should contain any supporting documentation on the design and construction of any and all discharge outfalls, including stormwater overflows, from the wastewater works.

Attachment included	Yes	No
		✓



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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 emissions are made or are to be made.

Details of all discharges of wastewater 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 D.1(i), (b) & (c) and D.1(ii), (b) & (c) of Annex 1 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 Discharges to Surface Waters

Details of all discharges of wastewater from the agglomeration should be supplied via the following web based link: http://78.137.160.73/epa_wwd_licensing/. Tables D.1(i)(a), (b) & (c), should be completed for the primary discharge point from the agglomeration and Tables D.1(ii)(a), (b) & (c) should be completed for **each** secondary discharge point, where relevant. Table D.1(iii)(a) 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 plant this data should also be provided in response to Section D.1.

Supporting information should form **Attachment D.1**

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
Point Code Provide label ID's	Point Type (e.g., Primary/ Secondary/ Storm Water Overflow)	Local Authority Name (e.g., Donegal County Council)	Receiving Water Body Type (e.g., River, Lake, Groundwater, Transitional, Coastal)	Receiving Water Body Name (e.g., River Suir)	Protected Area Type (e.g., SAC, candidate SAC, NHA, SPA etc.)	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference

Table D.2:

PT CD	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	DESIGNATION	EASTING	NORTHING
Point Code Provide label ID's	Point Type (e.g., Primary/ Secondary/ Storm Water Overflow)	Local Authority Name (e.g., Donegal County Council)	Receiving Water Body Type (e.g., River, Lake, Groundwater, Transitional, Coastal)	Receiving Water Body Name (e.g., River Suir)	Protected Area Type (e.g., SAC, candidate SAC, NHA, SPA etc.)	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference
SW01	Primary Discharge Point	Cork County Council	Coastal	Glandore Harbour	None	121152	34613

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.



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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 wastewater likely to be emitted in relation to all primary and secondary discharge points applied for. This information should be included in Table E.1(i) via the following web based link: http://78.137.160.73/epa_wwd_licensing/.

Provide an estimation of the quantity of wastewater likely to be emitted in relation to all storm water overflows within the agglomeration applied for. This information should be included in Table E.1(ii) 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 meters.

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 emission 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.

Attachment included	Yes	No
	✓	

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
Point Code Provide label ID's assigned in section E of application	Point Type (e.g., Primary, Secondary, Storm Water Overflow)	Monitoring Type M = Monitoring S = Sampling	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used

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.

PT_CD	PT_TYPE	MON_TYPE	EASTING	NORTHING	VERIFIED
Point Code Provide label ID's assigned in section E of application	Point Type (e.g., Primary, Secondary, Storm Water Overflow)	Monitoring Type M = Monitoring S = Sampling	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used
SW01	Primary	Sampling	121147	034578	Y
aSW-1u	Primary	Sampling	121153	035319	N
aSW-1d	Primary	Sampling	121565	034612	N

E.4 Sampling Data

Regulation 16(1)(h) of the Waste Water Discharge (Authorisation) Regulations 2007 requires all applicants in the case of an existing waste water treatment plant 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 16(1)(l) of the regulations 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.

Detailed 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).

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. Assessment of Impact on Receiving Surface or Ground Water

- Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Existing Primary Discharge Point

The primary discharge point, which is located in Glandore Harbour, discharges effluent via a 225mm diameter pipe. The pipe discharges below the low tide mark. Glandore Harbour is currently not designated as NHA, SAC or Bathing area.

The South Western River Basin District classifies Glandore Harbour as a "Moderate" Transitional Water with an objective to "restore". Under the SWRBD Risk Category it is classified as "probably at risk".

Results of receiving water analysis indicate good quality water considering Molybdate Reactive Phosphorus (MRP) < 0.05 mg/l.

The Draft Water Quality Regulations state that for a transitional water body, BOD should be ≤ 4.0 mg/l (95%ile). From Table E4, the average BOD content of the transitional waters at Glandore Harbour is shown to be 1.5 mg/l.

- Details of all monitoring of the receiving water should be supplied via the following web based link: http://78.137.160.73/epa_wwd_licensing/. Tables F.1(i)(a) & (b) 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 F.1(i)(a) & (b). Monitoring of surface water shall be carried out at not less than two points, one upstream from the discharge location and one downstream.

Tables F.1 (i) (a) & (b) are included in the application form.

- For discharges from secondary discharge points Tables F.1(ii)(a) & (b) should be completed. Furthermore, provide summary details and an assessment of the impacts of any existing or proposed emissions on the surface water or ground (aquifers, soils, sub-soils and rock environment), including any impact on environmental media other than those into which the emissions are to be made.

Not Applicable

- Provide details of the extent and type of ground emissions at the works. For larger discharges to groundwaters, e.g., from Integrated Constructed Wetlands, large scale percolation areas, etc., a comprehensive report must be completed which should include, inter alia, topography, meteorological data, water quality, geology, hydrology, and hydrogeology. The latter must in particular present the aquifer classification and vulnerability. The Geological Survey of Ireland Groundwater Protection Scheme Dept of the Environment and Local Government, Geological Survey of Ireland, EPA (1999) methodology should be used for any such classification. This report should also identify all surface water bodies and water wells that may be at risk as a result of the ground discharge.

There are no groundwater emissions from the existing or proposed discharges to which this licence application pertains.

- 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 water.

Glandore Harbour and its environs are not within a designated area and are not designated as sensitive waters under the Urban Wastewater Treatment Directive.

The South Western River Basin District classifies Glandore Harbour as a "Moderate" Transitional Water with an objective to "restore". Under the SWRBD Risk Category it is classified as "probably at risk".

- 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.

The Dangerous Substances Regulations define the main polluting pesticides, solvents and metals that have significant effects on the environment. As the load to the WWTP is mainly domestic and tourism with little industrial contribution it can be assumed that the presence of these substances is negligible.

- In circumstances where water abstraction points exist downstream 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.

No water abstraction points exists downstream of the discharge location.

- 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)

Not Applicable - None of the above directives apply in this case.

- Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.

Not Applicable

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

Attachment included	Yes	No
		✓

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

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 wastewater discharge to the water quality at that abstraction point identified.

ABS_CD	AGG_SERVED	ABS_VOL	PT_CD	DIS_DS	EASTING	NORTHING	VERIFIED
Abstraction Code	Agglomeration served	Abstraction Volume in m ³ /day	Point Code Provide label ID's	Distance Downstream in meters from Emission Point to Abstraction Point	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used

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

There are no drinking water abstraction points downstream of the discharges from the Union Hall agglomeration.

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 (79/923/EEC).

Dangerous Substances Directive 2006/11/EC

Council Directive 2006/11/EEC recognises the need for action to be taken by member states to protect the aquatic environment from pollution, in particular that caused by certain persistent, toxic and bioaccumulable substances. The WWTP at Union Hall treats wastewater from primarily domestic sources and the industrial contribution can be considered as negligible. For this reason, we can assume that any dangerous substances mentioned in the Dangerous Substances Regulations will not be present in the discharge.

Water Framework Directive 2000/60/EC

The EU Water Framework Directive (WFD) came into force in December 2000 and serves as a major impetus for improved water management. The objectives of the Water Framework Directive (WFD) are to protect all high status waters, prevent further deterioration of all waters and to restore degraded surface and ground waters to good status by 2015. The Directive requires the co-ordination of measures for water management in relation to all waters - inland surface waters, estuarine and coastal waters and groundwater.

Glandore Harbour has a number of beneficial uses including:

- **Amenity:** The harbour offers attractive scenic views of the coastline.
- **Fishing/Angling:** The port of Union Hall is well known for its maritime trade and active fishing fleet. The waters off Union Hall and Glandore are clean and unspoilt and ideal for sea angling. The area is well sheltered from the prevailing westerly winds, thereby ensuring a mild climate and abundant fish life.

- **Swimming:** The harbour is used for swimming at the east of the Pier.

- **Receiving Water:** The harbour is the receiving water for discharges from Union Hall septic tank.

The quality of estuarine and coastal waters is usually monitored by a number of government and regulatory agencies, including EPA, Coastal Local Authorities, the Marine Institute's Fisheries Research Centre (FRC), various arms of the Department of the Marine and Natural Resources and the Radiological Protection Institute of Ireland.

The South Western River Basin District has designated status of Glandore Harbour as "Moderate" with an objective of "Restore". Similarly it has designated the harbour to be "not at significant risk".

Groundwater Directives 80/68/EEC & 2006/118/EC

Not Applicable.

Drinking Water Directives 80/778/EEC

This Directive concerns standards for water intending for human consumption. As there is no drinking water abstraction point in the vicinity of any of the discharge points, this directive is not applicable.

Urban Waste Water Treatment Directive 91/271/EEC

As stated in the S.I. No. 254 of 2001, Urban Waste Water Treatment Regulation, 2001:

"A sanitary authority shall ensure by 31 December 2005 that urban waste water entering a collection system shall before discharge be subject to appropriate treatment in the following cases:

- (a) in respect of discharge to freshwater and estuaries from agglomerations with a population equivalent of less than 2,000.

"Appropriate treatment" to be provided is defined as treatment which after discharge allows the receiving water to meet the relevant quality objectives and the relevant provisions of this and other Community Directives.

The treated effluent quality standard for the Union Hall Waste Water Treatment Plant is to comply with the E.U. Urban Waste Water Treatment Directive Standards which are as follows:

- BOD 25mg/l
- COD 125mg/l
- Total Suspended Solids 35mg/l

The proposal to upgrade the WWTP under the Assessment of Needs will improve waste water quality in order to achieve compliance with these standards.

Habitats Directive 92/43/EEC & Birds Directive 79/409/EEC

The area around Union Hall is well known for its hills, woodlands, rivers and islands. There are many small inlets and bays and secluded sandy beaches. Grey Seals are known to bask in and around the harbour with regular sightings on High and Low Islands about one mile off shore.

But, Glandore Harbour is not a designated SAC, NHA or SPA so therefore these Directives do not apply.

Environmental Liabilities Directive 2004/35/EC

The Environmental Liabilities Directive is about preventing and remedying environmental damage. It aims to hold operators whose activities have caused environmental damage financially liable for remedying this damage. At present Union Hall Sewerage Scheme is maintained by Cork County Council and the septic tank is desludged regularly to prevent environmental damage. The scheme has also been included in the Assessment of Needs 2006 and it is proposed to improve treatment thus further reducing the possibility of environmental damage.

Bathing Water Directive 76/160/EEC

In Ireland the legislation governing the quality of bathing waters is set out in the Quality of Bathing Waters Regulations, 1992 (S.I. 155 of 1992) and amendments which transpose the EU Directive 76/160/EC concerning the quality of bathing water.

The Directive, which came into force over thirty years ago, is intended to protect public health and the environment at locations where bathing is not prohibited and is traditionally practised by a large number of bathers, by enforcing the achievement of a number of standards, chemical, physical and microbiological.

While Glandore Harbour is not a designated bathing area, it is prudent to comply with regulations since the area is used for bathing and leisure activities during the summer. Unfortunately, monitoring results are not available at present to confirm this.

Shellfish Waters Directive (79/923/EEC)

Glandore Harbour is not designated, "Shellfish Waters", under the Quality of Shellfish Waters Regulations 2006.

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
		✓

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 wastewater works specified in Phosphorus Measures Implementation reports and the progress to date of those measures. Provide details highlighting any wastewater works that have been identified as the principal sources of pollution under the P regulations.

Not Applicable for Discharges into the sea.

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
		✓

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.

Union Hall Sewerage Scheme has been included in the Assessment of Needs 2006 and it is proposed to improve treatment by grouped DBO project along with Leap and Glandore Sewerage Schemes. This will ensure the provision of effluent treatment to comply with Urban Wastewater Directive and improve water quality in areas used extensively for aquatic activities. The assessments are necessary as an input to the National Development Plan that will cover the period 2007 – 2013 and to optimise project selection in future phases of the Water Services Investment Programme.

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
		✓

G.4 Storm Water Overflow

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.

- Not applicable as there aren’t any storm overflows in Union Hall.

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
		✓

SECTION H: DECLARATION

Declaration

I hereby make application for a wastewater discharge licence/revised licence, 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 : Niall O'Mahony **Date :** 18/6/09
(on behalf of the organisation)

Print signature name: NIALL O'MAHONY

Position in organisation: SENIOR ENGINEER

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SECTION I: JOINT DECLARATION

Joint Declaration ^{Note1}

I hereby make application for a wastewater discharge licence/revised licence, 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.

Lead Authority

Signed by : _____ **Date :** _____
(on behalf of the organisation)

Print signature name: _____

Position in organisation: _____

Co-Applicants

Signed by : _____ **Date :** _____
(on behalf of the organisation)

Print signature name: _____

Position in organisation: _____

Signed by : _____ **Date :** _____
(on behalf of the organisation)

Print signature name: _____

Position in organisation: _____

Note 1: In the case of an application being lodged on behalf of more than a single water services authority the following declaration must be signed by all applicants.

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ANNEX 1 – TABLES / ATTACHMENTS

Section A - Non Technical Summary

Attachment A1 – UNION A1-01 – Site Location Map of Agglomeration

Section B - General

Attachment B1 – UNION B1-01 – Union Hall Agglomeration Boundary Map

Attachment B2 – UNION B2-01 – Site Location of Existing Waste Water Treatment Plant

Attachment B2 – UNION B2-02 – Site Layout of Existing Waste Water Treatment Plant

Attachment B3 – UNION B3-01 – Existing Primary Discharge Point

Attachment B8 – UNION B8-01 – Location of Site Notices

- Site Notice
- Press Notice

Attachment B9 – Application Fee

Attachment B12 – Foreshore Licence

Section C – Infrastructure & Operation

Attachment C1 - UNION C1-01 – Waste Water Treatment Plant Site Layout

Section E – Monitoring

Attachment E2 - Monitoring Programme

Attachment E3 - Tabular Data on Monitoring and Sampling Points

Attachment E4 - Sampling Data

Tables

Agglomeration Details

Tables D.1 – Emissions to Surface/Ground Waters

Table E.1 - Wastewater Frequency and Quantity of Discharge

Table F.1 - Surface/Ground Water Monitoring

Annex II

Checklist for Regulation 16/17 Compliance

Attachment A.1

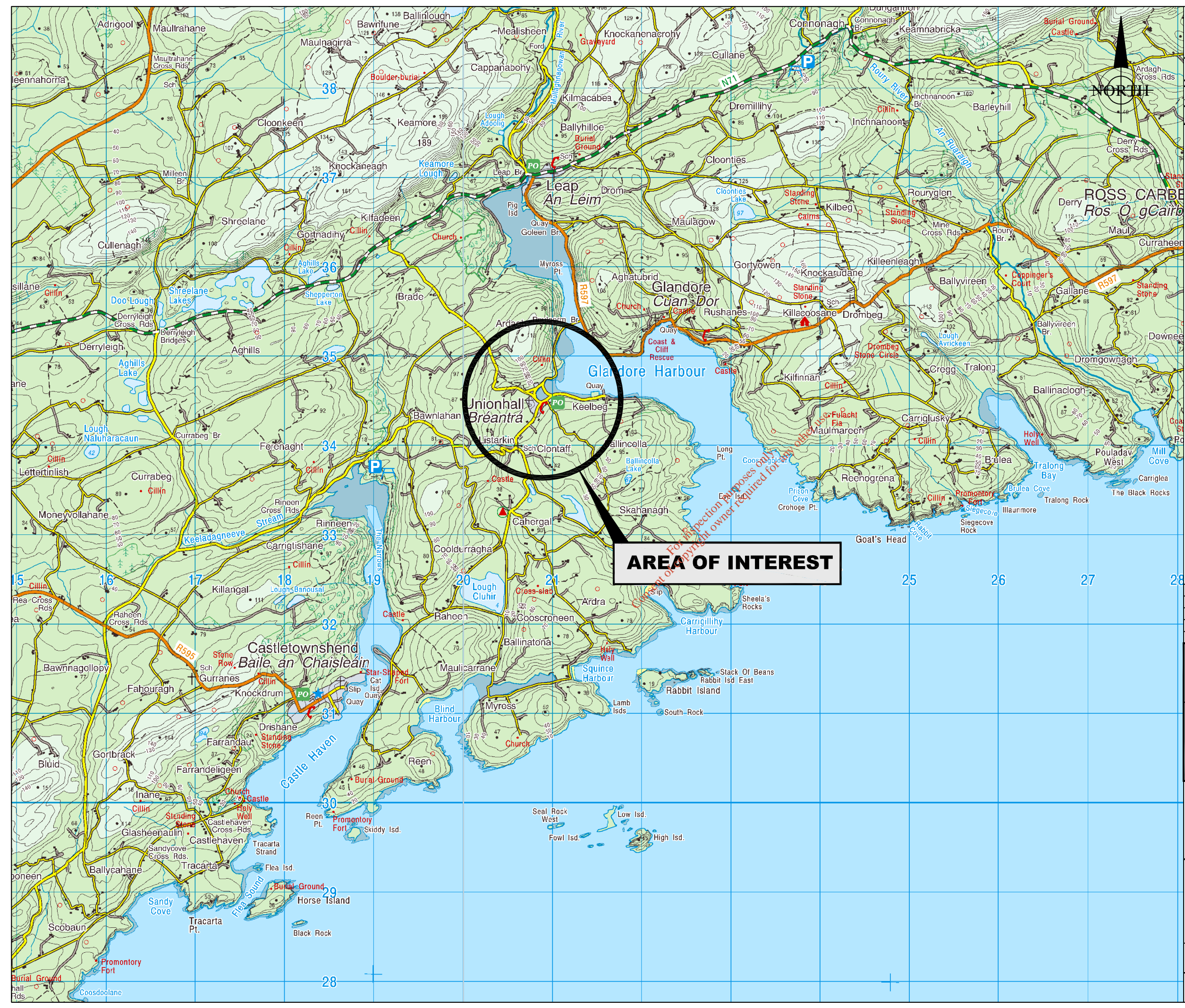
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Attachment A1

Map:

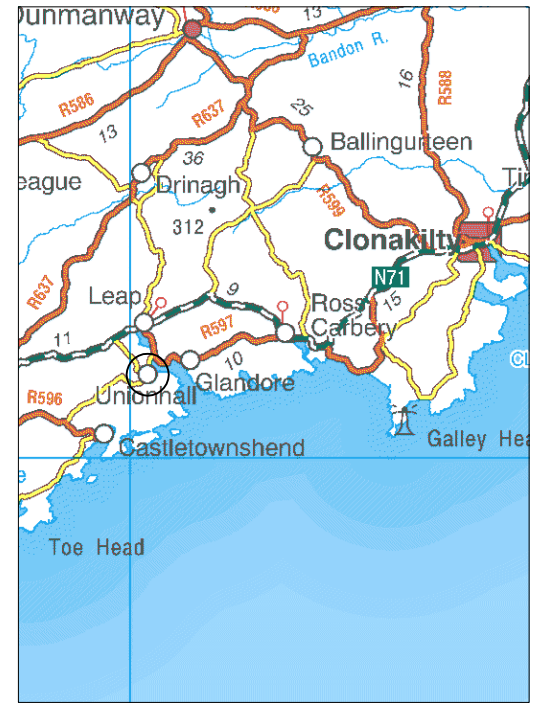
- UNION A1.01 - Site Location Map

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KEY MAP

AREA OF INTEREST

No.	Date	Drawn	Chkd	Revision Description

**Cork County Council
Western Division.**



N. O'MAHONY, B.E.,
SEN. ENGR. (WATER SERVICES),
COURTHOUSE, SKIBBEREEN.

M. MURRELL,
DIRECTOR OF SERVICES
WEST CORK

Job Title:
**WASTE WATER DISCHARGE
LICENCE APPLICATION
UNION HALL AGGLOMERATION**

Drawing Title:
**ATTACHMENT A.1
SITE LOCATION MAP**

Prepared By: A. O'BRIEN	Checked By: D. GROARKE	Date: JUN. 2009
Drawing number: UNION_A1-01	Scales: NTS	Rev: -

Attachment B.1

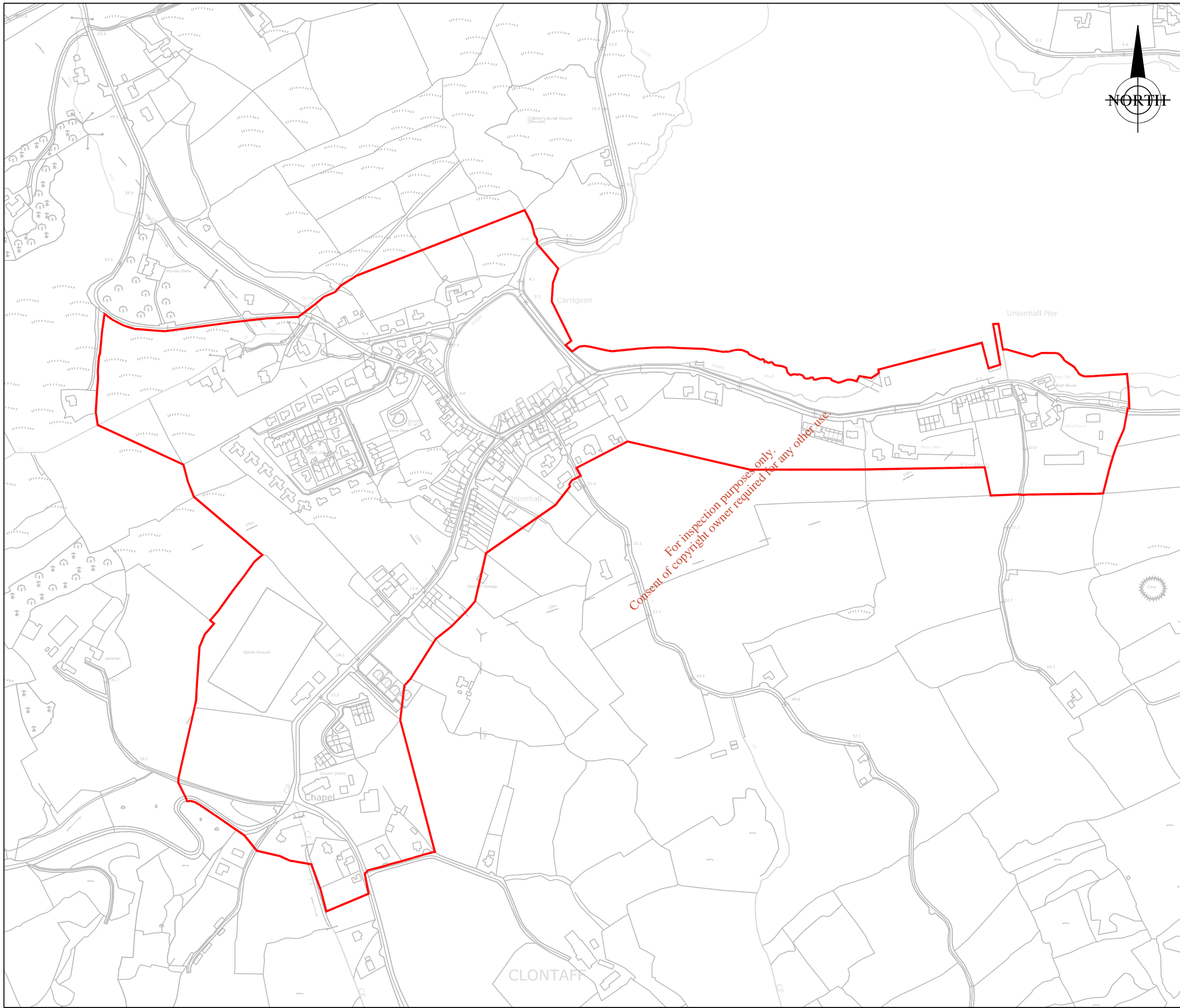
*For inspection purposes only.
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Attachment B1

Map:

- UNION B1.01 – Union Hall Agglomeration Boundary Map

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No.	Date	Drwn	Chkd	Revision Description

**Cork County Council,
Western Division.**



N.O'MAHONY, B.E.,
SENR. ENGR. (WATER SERVICES),
COURTHOUSE, SKIBBEREEN.

M. MURRELL,
DIRECTOR OF SERVICES
WEST CORK

Job Title:
**WASTE WATER DISCHARGE
LICENCE APPLICATION
UNION HALL AGGLOMERATION**

Drawing Title:
**ATTACHMENT B.1
AGGLOMERATION BOUNDARY**

Prepared By: A.O'BRIEN	Checked By: D.GROARKE	Date: JUN.2009
Drawing number: UNION_B1-01	Scales: 1:5000	Rev: -

Attachment B.2

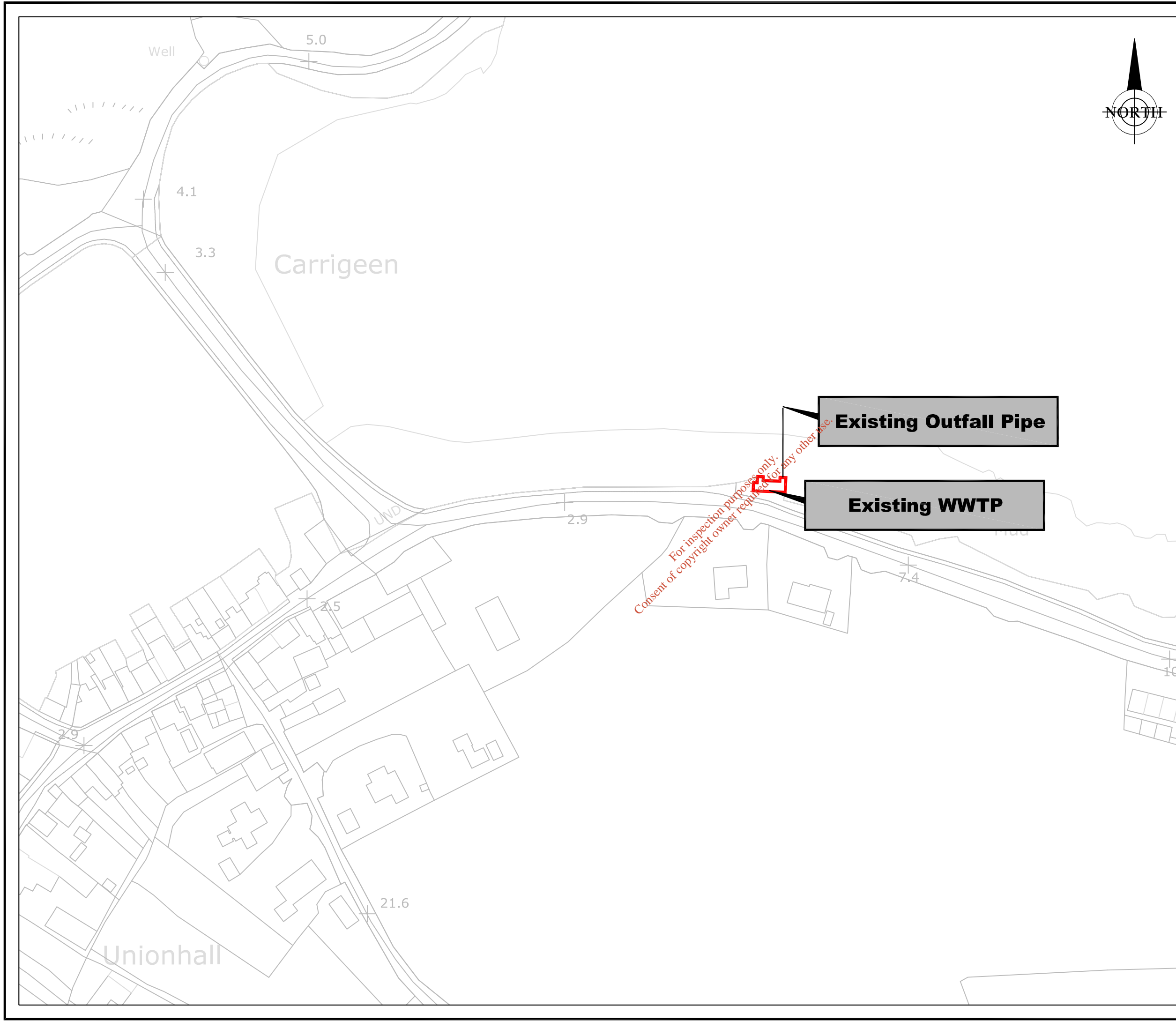
*For inspection purposes only.
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Attachment B2

Map:

- **Union B2-01** – Site Location of Existing Wastewater Treatment Plant

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Existing Outfall Pipe

Existing WWTP

No.	Date	Drwn	Chkd	Revision Description

**Cork County Council,
Western Division.**



N.O'MAHONY, B.E.,
SENR. ENGR. (WATER SERVICES),
COURTHOUSE, SKIBBEREEN.

M. MURRELL,
DIRECTOR OF SERVICES
WEST CORK

Job Title:
**WASTE WATER DISCHARGE
LICENCE APPLICATION
UNION HALL AGGLOMERATION**

Drawing Title:
**ATTACHMENT B.2
SITE LOCATION PLAN
EXISTING WWTP**

Prepared By: A.O'BRIEN	Checked By: D.GROARKE	Date: JUN.2009
Drawing number: UNION_B2-01	Scales: 1:1000	Rev: -

Attachment B.3

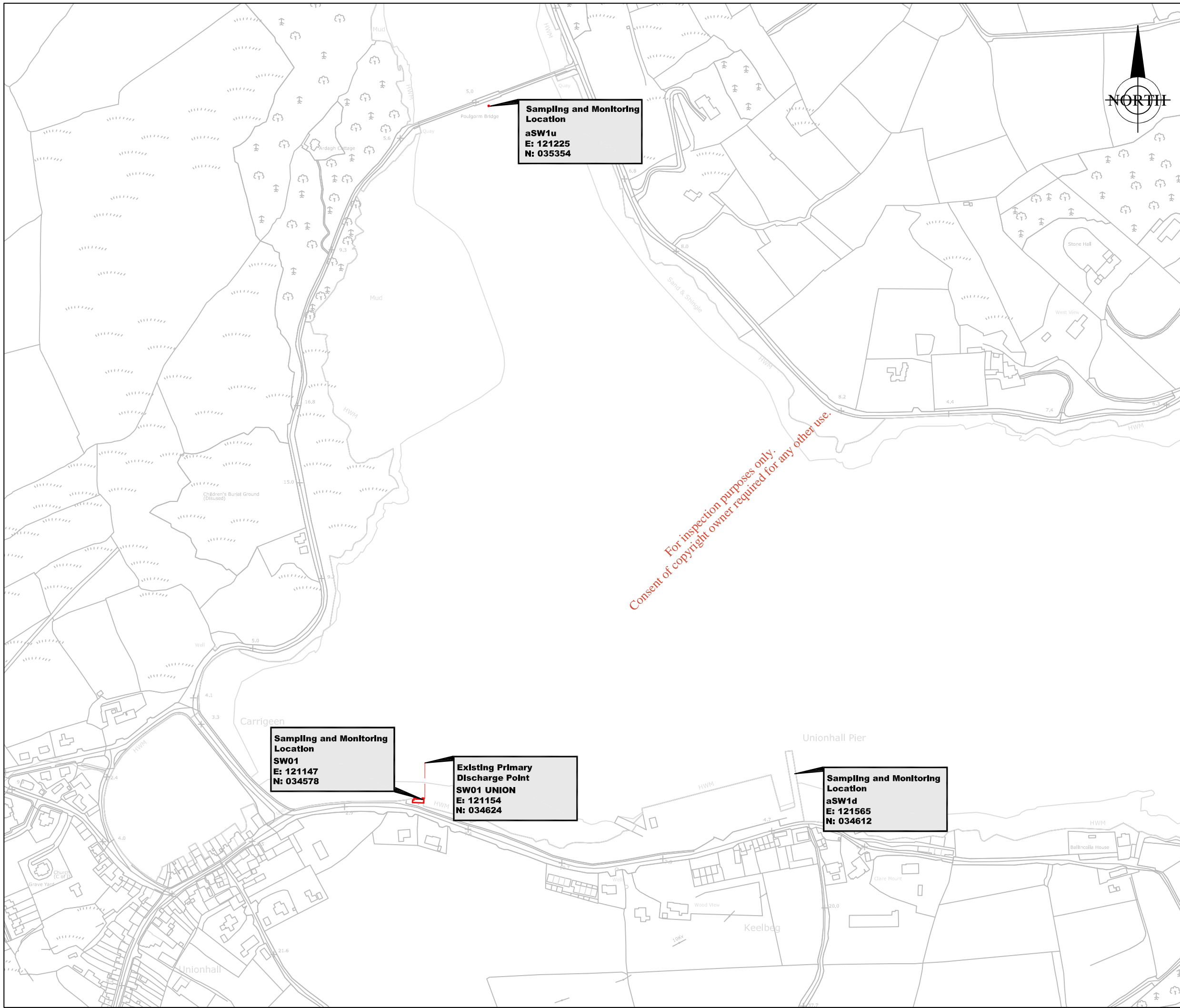
*For inspection purposes only.
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Attachment B3

Map :

- **UNION B3.01** – Existing Primary Discharge Point

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Sampling and Monitoring Location
aSW1u
E: 121225
N: 035354

Sampling and Monitoring Location
SW01
E: 121147
N: 034578

Existing Primary Discharge Point
SW01 UNION
E: 121154
N: 034624

Sampling and Monitoring Location
aSW1d
E: 121565
N: 034612


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No.	Date	Drwn	Chkd	Revision Description

**Cork County Council,
 Western Division.**



**N.O'MAHONY, B.E.,
 SENR.ENGR. (WATER SERVICES),
 COURTHOUSE, SKIBBEREEN.**

**M. MURRELL,
 DIRECTOR OF SERVICES
 WEST CORK**

Job Title:
**WASTE WATER DISCHARGE
 LICENCE APPLICATION
 UNION HALL AGGLOMERATION**

Drawing Title:
**ATTACHMENT B.3
 EXISTING PRIMARY
 DISCHARGE POINT LOCATION**

Prepared By: A.O'BRIEN	Checked By: D.GROARKE	Date: JUN.2009
Drawing number: UNION_B3-01	Scales: 1:1000	Rev: -

Attachment B.8

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Attachment B8

- Copy of Site Notice
- Copy of Press Notice

MAP:

- UNION B8.01 - Location of Site Notice

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CORK COUNTY COUNCIL

SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE WATER DISCHARGE LICENCE

In accordance with the Waste Water Discharge (Authorisation) Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen is applying to the Environmental Protection Agency for a Waste Water Discharge Licence for Union Hall agglomeration at the following locations:

Plant Name	Location	National Grid Ref.
Union Hall WWTP	Union Hall	121147E, 034582N

Discharge	Function	Townland	Receptor	Grid Reference
Primary	Main	Ballincolla	Glandore Bay	121152E, 034613N

A copy of the application for the Waste Water Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall as soon as is practicable after receipt by the Agency be available for inspection or purchase at the

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

and at

- Cork County Council Water Services (Western Division), Courthouse, Skibbereen, Co. Cork ; Telephone: 028-21299 Fax: 028-21995.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

CORK COUNTY COUNCIL

COMHAIRLE CHONTAE CHORCAÍ

PUBLIC NOTICES

NORTHERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork County Council, Annabella, Mallow is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the agglomeration of Bweeng at the following locations:

Plant Name	Location	National Grid Ref.
Bweeng WWTP	Beennamweel, Bweeng	E150293 N088061

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Beennamweel	Cummen Stream	E150251 N088034

A copy of the application for the Wastewater Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the:

Environmental Protection Agency, PO Box 3000,
Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599;
Tel: 053-9160600; Fax: 053-9160699; Email: info@epa.ie

and at
Cork County Council Offices, Annabella, Mallow, Co. Cork.
Tel: 022-21123; Fax: 022-21893.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork County Council, Annabella, Mallow is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the agglomeration of Castlelyons Cork at the following locations:

Plant Name	Location	National Grid Ref.
Castlelyons WWTP	Kill St. Anne, Castlelyons	E184050 N092719

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Kill St. Anne	Shanowennadrimina	E184018 N092680

A copy of the application for the Wastewater Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the:

Environmental Protection Agency, PO Box 3000,
Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599;
Tel: 053-9160600; Fax: 053-9160699; Email: info@epa.ie

and at
Cork County Council Offices, Annabella, Mallow, Co. Cork.
Tel: 022-21123; Fax: 022-21893.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork County Council, Annabella, Mallow is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the agglomeration of Churchtown, Cork at the following locations:

Plant Name	Location	National Grid Ref.
Churchtown WWTP	Ballyadam, Churchtown	E150273 N113258

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Ballyadam	Percolation Area	E150281 N113298

A copy of the application for the Wastewater Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the:

Environmental Protection Agency, PO Box 3000,
Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599;
Tel: 053-9160600; Fax: 053-9160699; Email: info@epa.ie

PUBLIC NOTICES

NORTHERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork County Council, Annabella, Mallow is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the agglomeration of Conna at the following locations:

Plant Name	Location	National Grid Ref.
Conna WWTP	Conna Village	E192575 N093434

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Conna	River Bride	E192689 N093500

A copy of the application for the Wastewater Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the:

Environmental Protection Agency, PO Box 3000,
Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599;
Tel: 053-9160600; Fax: 053-9160699; Email: info@epa.ie

and at
Cork County Council Offices, Annabella, Mallow, Co. Cork.
Tel: 022-21123; Fax: 022-21893.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork County Council, Annabella, Mallow is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the agglomeration of Glanworth at the following locations:

Plant Name	Location	National Grid Ref.
Glanworth WWTP	Glanworth Village	E175812 N103927

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Glanworth	River Funshion	E175870 N103919

A copy of the application for the Wastewater Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the:

Environmental Protection Agency, PO Box 3000,
Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599;
Tel: 053-9160600; Fax: 053-9160699; Email: info@epa.ie

and at
Cork County Council Offices, Annabella, Mallow, Co. Cork.
Tel: 022-21123; Fax: 022-21893.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Northern Division, Cork County Council, Annabella, Mallow is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the agglomeration of Clondulane at the following locations:

Plant Name	Location	National Grid Ref.
Clondulane WWTP	Clondulane North	E185341 N98981

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Clondulane	Careysville stream	E188362

PUBLIC NOTICES

WESTERN DIVISION

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Glengarriff agglomeration at the following locations:

Plant Name	Location	National Grid Ref.
Glengarriff WWTP	Glengarriff	E093292 N056304

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Major	Monteensudder	Glengarriff Harbour	E093358 N056263

A copy of the application for the Wastewater Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the:

Environmental Protection Agency, PO Box 3000,
Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599;
Tel: 053-9160600; Fax: 053-9160699; Email: info@epa.ie

and at
Cork County Council Water Services (Western Division),
Courthouse, Skibbereen, Co. Cork.
Tel: 028-21299; Fax: 028-21995.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, Water Services Western Division, Cork County Council, Courthouse, Skibbereen is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for Union Hall agglomeration at the following locations:

Plant Name	Location	National Grid Ref.
Union Hall WWTP	Union Hall	E121147 N034582

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Ballincolla	Glandore Harbour	E121152 N034613

A copy of the application for the Wastewater Discharge Licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application shall, as soon as is practicable after receipt by the Agency, be available for inspection or purchase at the:

Environmental Protection Agency, PO Box 3000,
Johnstown Castle Estate, Co. Wexford, Lo Call 1890 335 599;
Tel: 053-9160600; Fax: 053-9160699; Email: info@epa.ie

and at
Cork County Council Water Services (Western Division),
Courthouse, Skibbereen, Co. Cork.
Tel: 028-21299; Fax: 028-21995.

Submissions in relation to the application may be made to the Environmental Protection Agency at its headquarters described above.

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTEWATER DISCHARGE LICENCE

In accordance with the Wastewater Discharge (Authorisation) Regulations 2007, S.I. No. 684 of 2007, Water Services (Western Division), Cork County Council, Courthouse, Skibbereen, Co. Cork is applying to the Environmental Protection Agency for a Wastewater Discharge Licence for the Ballineen/Enniskeane Agglomeration at the following locations:

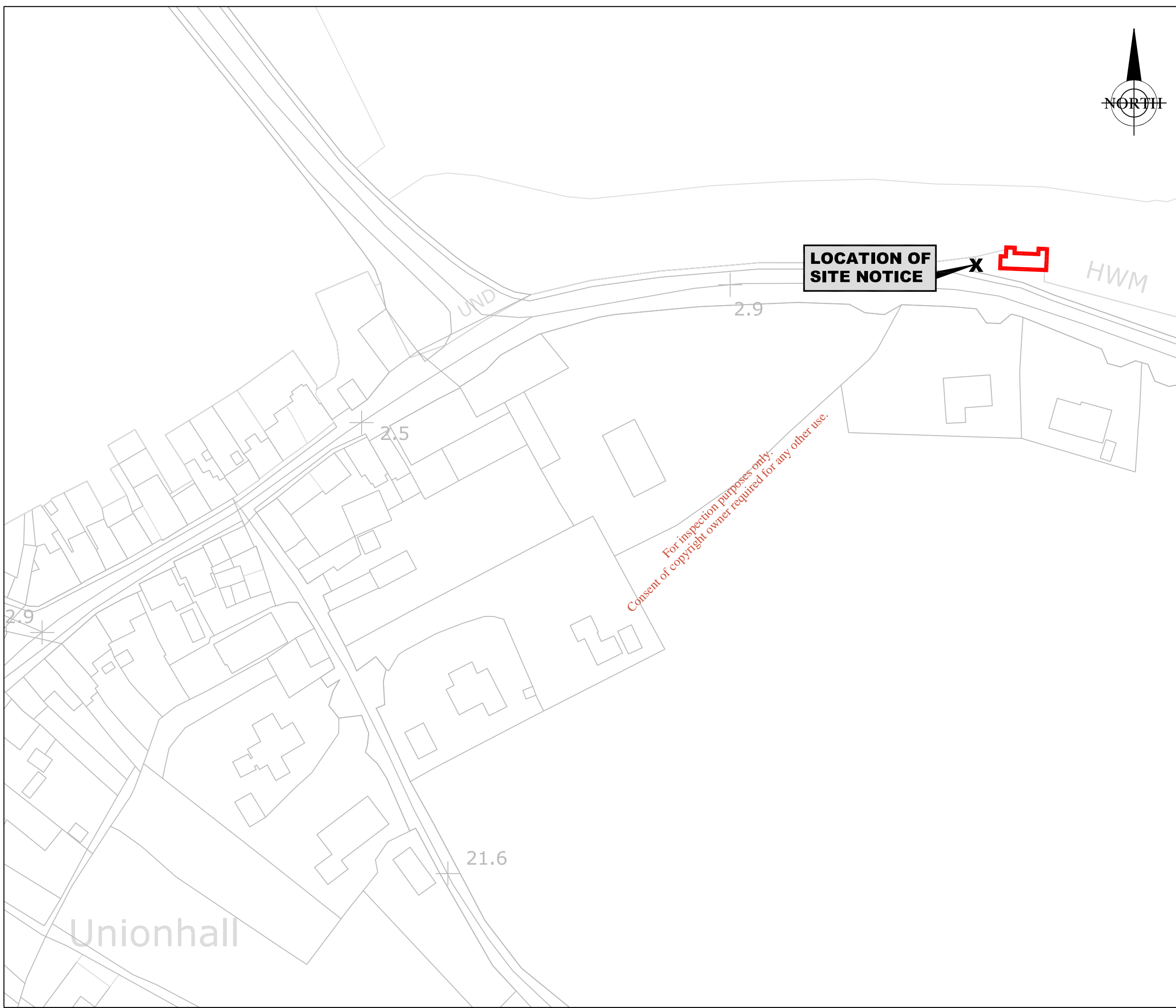
Plant Name	Location	National Grid Ref.
Ballineen WWTP	Derrigra	E134640 N053975

Discharge	Function	Townland	Receptor	Grid Ref.
Primary	Main	Derrigra	Enniskeane	E134640



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**LOCATION OF
SITE NOTICE**



HWM

UND

2.9

2.5

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2.9

21.6

Unionhall

No.	Date	Drwn	Chld	Revision Description

**Cork County Council,
Western Division.**



N.O'MAHONY, B.E.,
SENR. ENGR. (WATER SERVICES),
COURTHOUSE, SKIBBEREEN.

M. MURRELL,
DIRECTOR OF SERVICES
WEST CORK

Job Title:
**WASTE WATER DISCHARGE
LICENCE APPLICATION
UNION HALL AGGLOMERATION**

Drawing Title:
**ATTACHMENT B.8
SITE NOTICE LOCATION**

Prepared By: A.O'BRIEN	Checked By: D.GROARKE	Date: JUN.2009
Drawing number: UNION_B8-01	Scales: 1:1000	Rev: -

Attachment B.9

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Attachment B9

- Fees – Copy of Payment

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Comhairle Contae Chorcaí Cork County Council

Courthouse,
Skibbereen, Co. Cork.
Tel (028) 21299 • Fax (028) 21995
Web: www.corkcoco.ie
Teach na Cúirte,
An Sciobairín, Co. Chorcaí.
Fón: (028) 21299 • Faics: (028) 21995
Suíomh Gréasáin: www.corkcoco.ie



Mr. Declan Groarke,
Senior Executive Engineer,
Cork County Council,
Courthouse,
Skibbereen.

27th May 2009

Re:- Waste Water Discharge Regulations 2007.

Dear Declan,

With regard to the application to the EPA for Discharge Licences for the agglomerations with P.E.s of 500 to 1,000 listed below, I confirm the following in relation to the application fee of €70,000 (being €10,000 for each agglomeration).

Transferred to EPA Bank Account:- **Account No. 23507098**

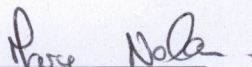
Date Transferred to EPA Bank Account:- **21st May, 2009.**

Electronic Fund Transfer Reference No.:- **1080937.**

**Agglomerations: Ballydehob
Castletownshend
Drimoleague
Glengarriff
Timoleague
Union Hall
Ballineen/Enniskeane**

This information should be included with the application to the EPA.

Yours faithfully,


Mary Nolan,
Staff Officer.



Attachment B.12

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Attachment B12

- Foreshore Licence – Specific Conditions

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7

COMHAIRLE CHONTAE CHORCAI

J. B. HICKEY
COUNTY SOLICITOR
CORK COUNTY COUNCIL
COUNTY HALL CORK
TELEPHONE 021-26891

MM/GO'D/WF



16th November, 1979

Administrative Officer,
Housing & Sanitary Dept.,
Cork County Council,
Emmet Square,
Clonakilty,
Co. Cork.

re: Foreshore at Union Hall, Clonakilty.
Minister for Tourism & Transport to Council.

With reference to this matter I now return you
Licence herein which has been registered in the Registry
of Deeds.

Licence in safe

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COUNTY SOLICITOR



AGREEMENT made the

First day of February

One thousand nine hundred and Seventy-nine

BETWEEN THE MINISTER FOR TOURISM AND TRANSPORT (hereinafter

called "the Minister") of the one part and Cork County

Council, Emmet Square, Clonakilty, Co. Cork (hereinafter

called "the Licensee" which expression shall include its

successors or assigns where the context so admits or

requires) of the Other part WHEREAS the Licensee has

applied to the Minister to grant it permission to use and

occupy that part of the foreshore and bed of the sea below

high water mark at Union Hall, Cork hereinafter described

for the purpose of constructing a public convenience and for

a sewerage scheme AND WHEREAS the Minister has agreed to

grant such permission subject as herein NOW THEREFORE THIS

AGREEMENT WITNESSETH that the Minister in exercise of the

powers vested in him by the Foreshore Act, 1933, hereby

grants to the Licensee licence to use and occupy that part

of the foreshore and bed of the sea at Union Hall, Cork, as

more particularly delineated and shown in red on the map

annexed hereto for the purpose aforesaid AND IT IS HEREBY

AGREED by and between the Minister and the Licensee as

follows that is to say

1. This Licence shall remain in force for the term of Ninety-nine years from the date hereof.

2. The Licensee shall at all times during the continuance of this Licence keep the said works in a good and proper state of repair and in proper condition to the satisfaction of the Minister and so as to ensure that it will not be injurious to navigation the adjacent lands or the public interest.

3. The Licensee shall indemnify and keep indemnified the State, the Minister, their officers, agents and employees

REGISTERED IN THE REGISTRY OF DEEDS, (DUBLIN) AT

30 MINUTES AFTER 11 O'CLOCK ON THE 7 DAY OF

November 1979 BOOK 107 NO. 130 Stanton att

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against all actions loss claims damages costs expenses and demands arising in any manner whatsoever in connection with the construction maintenance and user of the said works or in the exercise of the permission hereby granted.

4. In the case of the breach non-performance or non-observance by the Licensee of any of the covenants and conditions contained herein the Minister shall have power forthwith to terminate this licence.

5. Any Notice to be given to the Licensee in pursuance of this Licence may be transmitted through the Post Office addressed to the Licensee.

IN WITNESS WHEREOF the Minister and the Licensee have caused their respective seals to be hereunto affixed the day and year first herein written.

PRESENT when the Seal of Office of the Minister for Tourism and Transport was affixed and was authenticated by the signature of:



SIGNATURE: Kathie O'Leary
ADDRESS: Dept of Tourism & Transport
Kildare St. Dublin 2
OCCUPATION: Civil Servant

A person authorised under Sec. 15 (1) of the Ministers and Secretaries Act, 1924 to authenticate the Seal of the said Minister.

PRESENT when the Corporate Seal of the Licensee was affixed
Noel Collins
Chairman or Nominated Member.

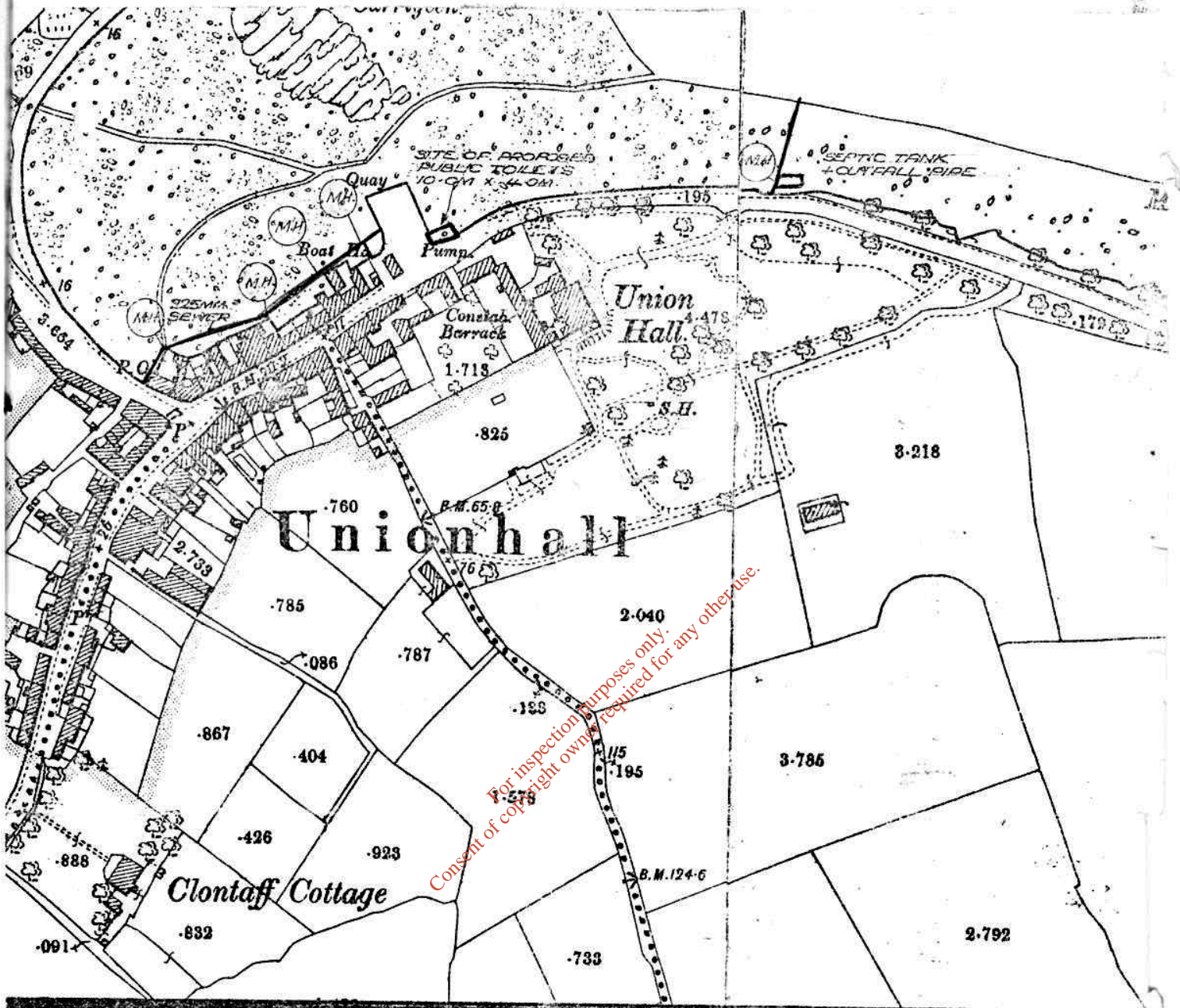
G. Moran
County Manager.

Assistant

~~County Secretary.~~

Bernadine Bagnay
Clinical Officer G. Hall
Catherine Lynch
Clinical Officer G. Hall

2 witnesses



WICK CO. COUNCIL WEST DIVISION
UNIONHALL SEWERAGE SCHEME

VIEW OF SEWERAGE SCHEME IN RELATION TO
RESHORE SHOWN IN RED

BY MATSON, B.E. C.A.C.E. (H+S)
WICK, CO. COUNCIL

SCALE: 1:2500

SEPT 1978 OSS 142/7+8

- 9 OCT 1979

DATED THIS 1st DAY OF July 1979

BETWEEN/

THE MINISTER FOR TOURISM AND
TRANSPORT

and

CORK COUNTY COUNCIL

6 NOV 1979

CLARLANN NA nGNIOMHAS
 [REGISTRY OF DEEDS]
 104
 B - 7 SAMH 1979 No. 130
 BAILE ATHA CLIATH
 [DUBLIN] £4

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L I C E N C E

F.B. Hickey *Lead*

LOUIS J. DOCKERY
CHIEF STATE SOLICITOR
51, ST. STEPHEN'S GREEN EAST
DUBLIN 2.

JL/AM.

175

AM

175

Attachment C.1

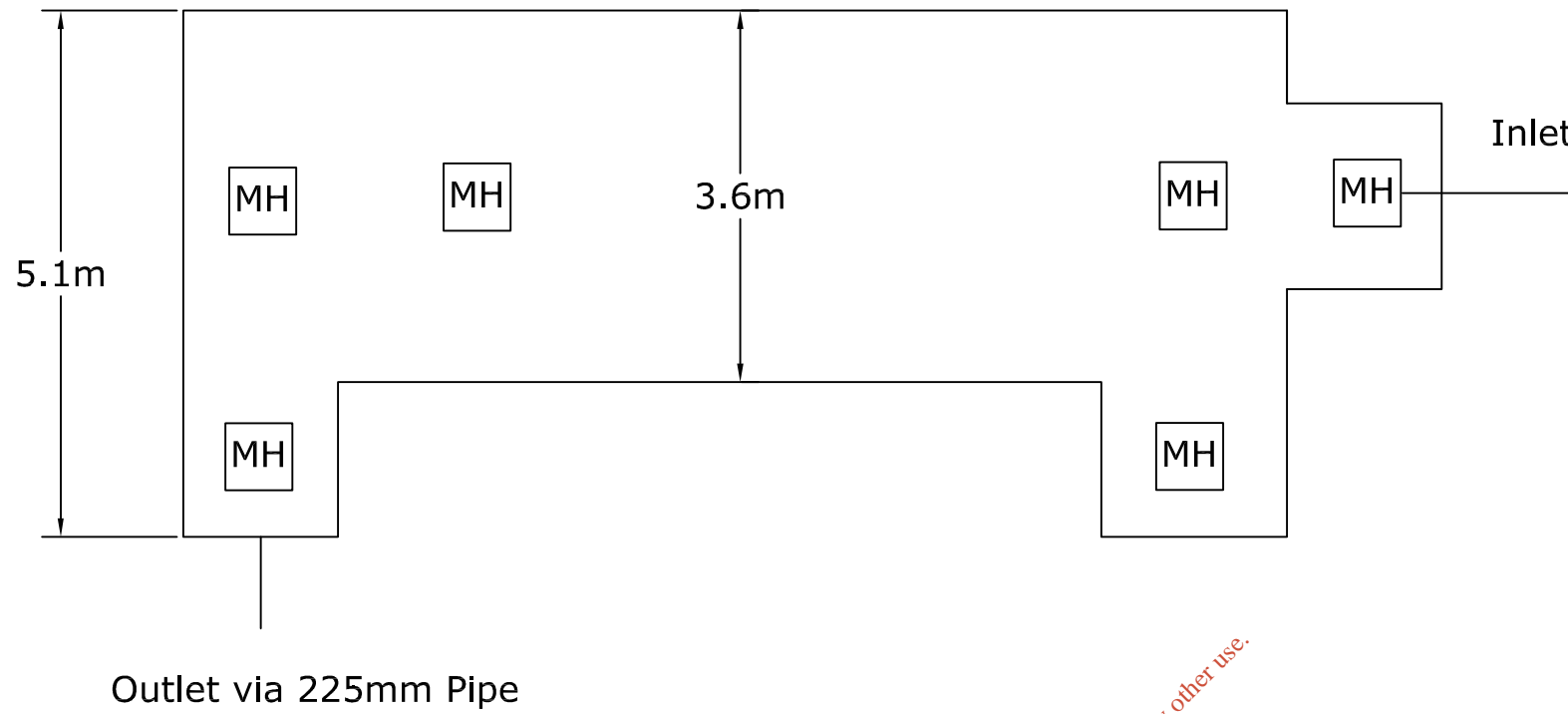
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Attachment C.1

Drawing:

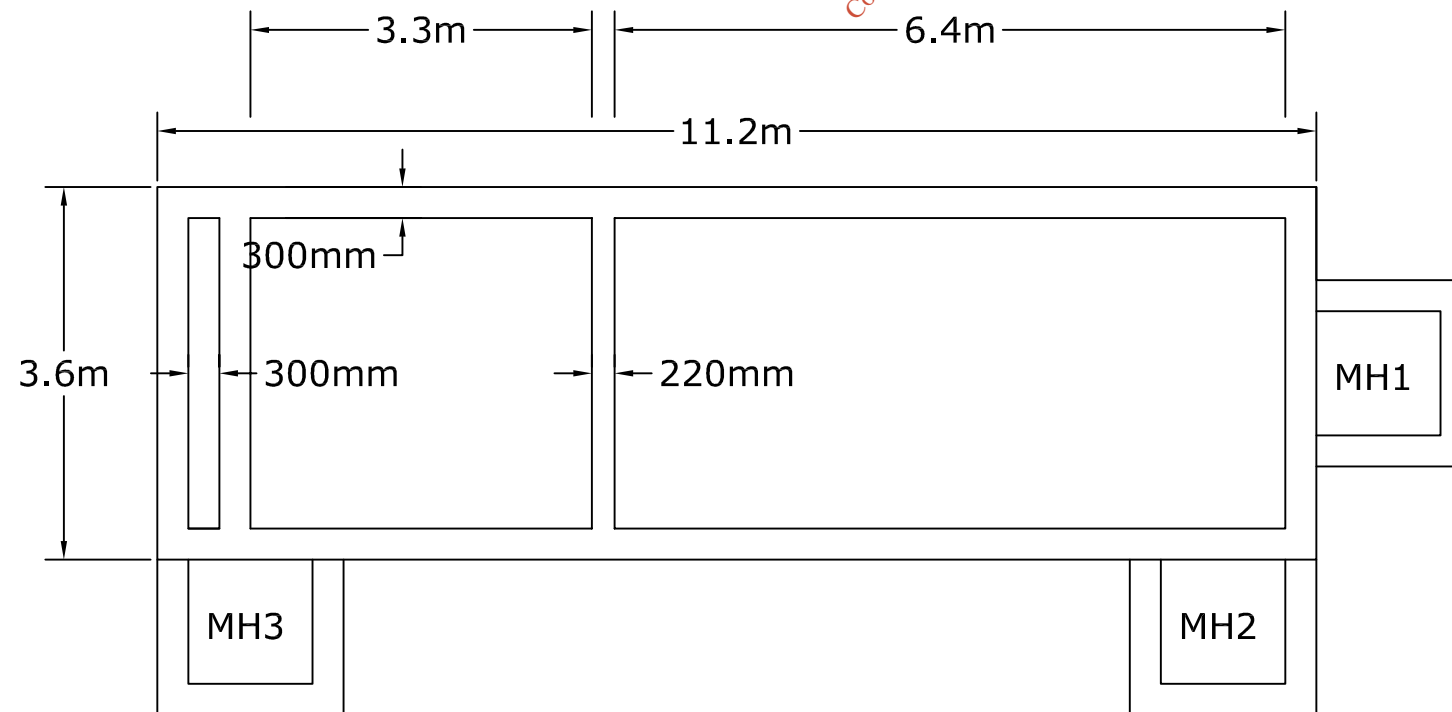
- **Schull C1.01** – Layout of Existing WWTP

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Plan of WWTP

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Internal Plan of WWTP

NOTES

1. Do not scale, use figured dimensions only. If in doubt ask.
2. All dimensions to be checked on site.
3. Drawings to be read in conjunction with Licence application.
4. Includes Ordnance Survey Ireland data reproduced under OSi Licence number Cork County Council CCMA2004/07. Unauthorised reproduction infringes Ordnance Survey Ireland and Government of Ireland.

No.	Date	Drwn	Chkd	Revision Description

**Cork County Council,
Western Division.**



N.O'MAHONY, B.E.,
SENR. ENGR. (WATER SERVICES),
COURTHOUSE, SKIBBEREEN.
M. MURRELL,
DIRECTOR OF SERVICES
WEST CORK

Job Title:
**WASTE WATER DISCHARGE
LICENCE APPLICATION
UNIONHALL AGGLOMERATION**

Drawing Title:
**ATTACHMENT C.1
EXISTING WWTP LAYOUT**

Prepared By: A.O'BRIEN	Checked By: D.GROARKE	Date: JUN.2009
Drawing number: UNION_C1-01	Scales: N.T.S.	Rev: -

Attachment E.2

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Attachment E.2

- Monitoring Programme

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Attachment E.2 – Union Hall Waste Water Discharge Licence Application **– Monitoring and Sampling Points**

Grab samples have been collected recently of the effluent from the primary discharge as well as receiving waters and the results are included in Attachments E.4 and F.1 of this application.

Upstream and downstream samples were also carried out in Glandore Harbour.

There are no drinking water abstraction points in the vicinity of the WWTP.

The recent sample analysis has been carried out by the Laboratory of Cork County Council which is accredited for a number of analytical tests under the Irish National Accreditation Board (INAB) under the ISO 17025 international standard. It is currently accredited for the following parameters under that standard system:

- pH
- Biochemical Oxygen Demand
- Chemical Oxygen Demand
- Suspended Solids
- Ammonia
- Ortho Phosphate
- Total Phosphate
- Chloride
- Sulphate

It is proposed to sample the influent and effluent from treatment plants where accessible and receiving waters once a year in the future for the following parameters at the Cork County Council Laboratory in Skibbereen:

- pH
- Biochemical Oxygen Demand
- Chemical Oxygen Demand
- Suspended Solids
- Ammonia
- Ortho Phosphate
- Total Nitrogen

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Attachment E.4

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Attachment E.4

- Sampling Data

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Attachment E4 Union Hall Inlet Table E4		
Sample Date	28/05/2009	
Sample	Influent	Average
Sample Code	GT773	
Flow M ³ /Day	*	
pH	8.2	
Temperature °C	*	
Cond 20 °C	7230	7230
SS mg/L	87	87
NH ₃ mg/L	8.6	8.6
BOD mg/L	162	162
COD mg/L	327	327
TN mg/L	18.5	18.5
Nitrite mg/L	<0.10	<0.10
Nitrate mg/L	<0.50	<0.50
TP mg/L	1.69	1.69
O-PO4-P mg/L	0.89	0.89
SO4 mg/L	373.5	373.5
Phenols µg/L	<0.10	<0.10
Atrazine µg/L	<0.01	<0.01
Dichloromethane µg/L	<1	<1
Simazine µg/L	<0.01	<0.01
Toluene µg/L	<0.28	<0.28
Tributyltin µg/L	*	*
Xylenes µg/L	<1	<1
Arsenic µg/L	1.9	1.9
Chromium ug/L	<20	<20
Copper ug/L	<20	<20
Cyanide µg/L	<5	<5
Fluoride µg/L	423	423
Lead ug/L	<20	<20
Nickel ug/L	<20	<20
Zinc ug/L	36.6	36.6
Boron ug/L	<20	<20
Cadmium ug/L	<20	<20
Mercury µg/L	<0.2	<0.2
Selenium µg/L	69.8	69.8
Barium ug/L	<20	<20

Attachment E4 Union Hall Discharge Outlet Table E4

Sample Date	28/05/2009							
Sample	Effluent	Average	Kg/Day	Kg/year				
Sample Code	GT774							
Flow M ³ /Day	*							
pH	7.1	7.1						
Temperature °C	*	*						
Cond 20°C	10780	10780						
SS mg/L	99	99						
NH ₃ mg/L	9.8	9.8						
BOD mg/L	83	83						
COD mg/L	347	347						
TN mg/L	18.8	18.8						
Nitrite mg/L	<0.10	<0.10						
Nitrate mg/L	<0.50	<0.50						
TP mg/L	1.7	1.7						
O-PO4-P mg/L	0.91	0.91						
SO4 mg/L	544.8	544.8						
Phenols µg/L	*	*						
Atrazine µg/L	*	*						
Dichloromethane	<1	<1						
Simazine µg/L								
Toluene µg/L	<0.28	<0.28						
Tributyltin µg/L	*	*						
Xylenes µg/L	<1	<1						
Arsenic µg/L	*	*						
Chromium ug/L	<20	<20						
Copper ug/L	<20	<20						
Cyanide µg/L	<5	<5						
Fluoride µg/L	460	460						
Lead ug/L	<20	<20						
Nickel ug/L	<20	<20						
Zinc ug/L	<20	<20						
Boron ug/L	<20	<20						
Cadmium ug/L	<20	<20						
Mercury µg/L	*	*						
Selenium µg/L	*	*						
Barium ug/L	<20	<20						

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Attachment E4 Union Hall Upstream Table E4

Sample Date	28/05/2009		
Sample	River	Comments	Average
Sample Code	GT770		
Flow M ³ /Day	*		
pH	8.1		8.1
Temperature °C	*		*
Cond 20°C	47800		47800
SS mg/L	35		35
NH ₃ mg/L	0.5"	"saline interference	0.5"
BOD mg/L	1		1
COD mg/L	28		28
TN mg/L	0.26		0.26
Nitrite mg/L	<0.10		<0.10
Nitrate mg/L	<0.50		<0.50
TP mg/L	<0.05		<0.05
O-PO4-P mg/L	<0.05		<0.05
SO4 mg/L	*	"saline interference	*
Phenols µg/L	<0.10		<0.10
Atrazine µg/L	<0.01		<0.01
Dichloromethane	<1		<1
Simazine µg/L	<0.01		<0.01
Toluene µg/L	<0.28		<0.28
Tributyltin µg/L	*		*
Xylenes µg/L	<1		<1
Arsenic µg/L	<0.96		<0.96
Chromium ug/L	<20		<20
Copper ug/L	<20		<20
Cyanide µg/L	<5		<5
Fluoride µg/L	791	"saline interference	791
Lead ug/L	<20		<20
Nickel ug/L	<20		<20
Zinc ug/L	<20		<20
Boron ug/L	2159		2159
Cadmium ug/L	<20		<20
Mercury µg/L	<0.2		<0.2
Selenium µg/L	3.2		3.2
Barium ug/L	<20		<20

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Attachment E4 Union Hall Downstream Table E4

Sample Date	28/05/2009		
Sample	River	Comments	Average
Sample Code	GT771		
Flow M ³ /Day	*		
pH	8.1		8.1
Temperature °C	*		*
Cond 20°C	48400		48400
SS mg/L	17		17
NH ₃ mg/L	0.5	"saline interference	0.5
BOD mg/L	2		2
COD mg/L	27		27
TN mg/L	0.24		0.24
Nitrite mg/L	<0.10		<0.10
Nitrate mg/L	<0.50		<0.50
TP mg/L	<0.05		<0.05
O-PO4-P mg/L	<0.05		<0.05
SO4 mg/L	*	"saline interference	*
Phenols µg/L	<0.10		<0.10
Atrazine µg/L	<0.01		<0.01
Dichloromethane	<1		<1
Simazine µg/L	<0.01		<0.01
Toluene µg/L	<0.28		<0.28
Tributyltin µg/L	*		*
Xylenes µg/L	<1		<1
Arsenic µg/L	2.8		2.8
Chromium ug/L	<20		<20
Copper ug/L	<20		<20
Cyanide µg/L	<5		<5
Fluoride µg/L	765	"saline interference	765
Lead ug/L	<20		<20
Nickel ug/L	<20		<20
Zinc ug/L	<20		<20
Boron ug/L	107.1		107.1
Cadmium ug/L	<20		<20
Mercury µg/L	<0.2		<0.2
Selenium µg/L	1766		1766
Barium ug/L	<20		<20

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Agglomeration details

Leading Local Authority	Cork County Council
Co-Applicants	
Agglomeration	Union Hall
Population Equivalent	745
Level of Treatment	Primary
Treatment plant address	Unionhall WWTP, Ballincolla, Unionhall, Co.Cork.
Grid Ref (12 digits, 6E, 6N)	121147 / 034582 (Verified using GPS)
EPA Reference No:	

Contact details

Contact Name:	Declan Groarke
Contact Address:	Water Services Section Cork County Council Western Division The Courthouse Skibbereen Co Cork
Contact Number:	028-21299
Contact Fax:	028-21295
Contact Email:	declan.groarke@corkcoco.ie

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Table D.1(i)(a): EMISSIONS TO SURFACE/GROUND WATERS (Primary Discharge Point)

Discharge Point Code: SW-1

Local Authority Ref No:	SW01 UNION	
Source of Emission:	Treated Effluent - Open Pipe	
Location:	BALLINCOLLA	
Grid Ref (12 digits, 6E, 6N)	121152 / 034613 (Verified using GPS)	
Name of Receiving waters:	Glandore Harbour	
Water Body:	Transitional Body	
River Basin District	South Western RBD	
Designation of Receiving Waters:	None	
Flow Rate in Receiving Waters:	0	m ³ .sec ⁻¹ Dry Weather Flow
	0	m ³ .sec ⁻¹ 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	Where zero flow indicated, flow rate not applicable as receiving waters tidal. Otherwise, where zero indicated information not available.	

Emission Details:

(i) Volume emitted			
Normal/day	186.3 m ³	Maximum/day	558.8 m ³
Maximum rate/hour	23.3 m ³	Period of emission (avg)	60 min/hr 24 hr/day 365 day/yr
Dry Weather Flow	0.004 m ³ /sec		

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Table D.1(i)(b): EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Primary Discharge Point)

Discharge Point Code: SW-1

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
pH	pH	Grab	= 9	
Temperature	°C	Grab	= 25	
Electrical Conductivity (@ 25°C)	µS/cm	Grab	= 0	
Suspended Solids	mg/l	Grab	= 250	46.6
Ammonia (as N)	mg/l	Grab	= 0	0
Biochemical Oxygen Demand	mg/l	Grab	= 210	39.1
Chemical Oxygen Demand	mg/l	Grab	= 460	85.7
Total Nitrogen (as N)	mg/l	Grab	= 50	9.3
Nitrite (as N)	mg/l	Grab	= 0	0
Nitrate (as N)	mg/l	Grab	= 0	0
Total Phosphorous (as P)	mg/l	Grab	= 12	2.2
OrthoPhosphate (as P)	mg/l	Grab	= 10	1.9
Sulphate (SO ₄)	mg/l	Grab	= 0	0
Phenols (Sum)	µg/l	Grab	= 0	0

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper
 For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

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Table D.1(i)(c): DANGEROUS SUBSTANCE EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of The Emission (Primary Discharge Point)

Discharge Point Code: SW-1

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
Atrazine	µg/l	Grab	= 0	0
Dichloromethane	µg/l	Grab	= 0	0
Simazine	µg/l	Grab	= 0	0
Toluene	µg/l	Grab	= 0	0
Tributyltin	µg/l	Grab	= 0	0
Xylenes	µg/l	Grab	= 0	0
Arsenic	µg/l	Grab	= 0	0
Chromium	µg/l	Grab	= 0	0
Copper	µg/l	Grab	= 0	0
Cyanide	µg/l	Grab	= 0	0
Flouride	µg/l	Grab	= 0	0
Lead	µg/l	Grab	= 0	0
Nickel	µg/l	Grab	= 0	0
Zinc	µg/l	Grab	= 0	0
Boron	µg/l	Grab	= 0	0
Cadmium	µg/l	Grab	= 0	0
Mercury	µg/l	Grab	= 0	0
Selenium	µg/l	Grab	= 0	0
Barium	µg/l	Grab	= 0	0

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper

For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

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TABLE E.1(i): WASTE WATER FREQUENCY AND QUANTITY OF DISCHARGE – Primary and Secondary Discharge Points

Identification Code for Discharge point	Frequency of discharge (days/annum)	Quantity of Waste Water Discharged (m ³ /annum)
SW-1	365	67999.5

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TABLE E.1(ii): WASTE WATER FREQUENCY AND QUANTITY OF DISCHARGE – Storm Water Overflows

Identification Code for Discharge point	Frequency of discharge (days/annum)	Quantity of Waste Water Discharged (m ³ /annum)	Complies with Definition of Storm Water Overflow
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TABLE F.1(i)(a): SURFACE/GROUND WATER MONITORING

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1d
Grid Ref (12 digits, 6E, 6N)	121565 / 034612

Parameter	Results (mg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	28/05/09					
pH		= 8.1			Grab	2	Electrochemical
Temperature	= 0				Grab	0.5	electrochemical
Electrical Conductivity (@ 25°C)		= 48400			Grab	0.5	Electrochemical
Suspended Solids		= 17			Grab	0.5	Gravimetric
Ammonia (as N)		= 0.5			Grab	0.02	Colorimetric
Biochemical Oxygen Demand		= 2			Grab	0.06	Electrochemical
Chemical Oxygen Demand		= 27			Grab	8	Digestion & Colorimetric
Dissolved Oxygen	= 0				Grab	0	ISE
Hardness (as CaCO ₃)	= 0				Grab	0	titrimetric
Total Nitrogen (as N)		= 0.24			Grab	0.5	Digestion & Colorimetric
Nitrite (as N)		< 0.1			Grab	0.013	colorimetric
Nitrate (as N)		< 0.5			Grab	0.5	Colorimetric
Total Phosphorous (as P)		< 0.05			Grab	0.2	Digestion & Colorimetric
OrthoPhosphate (as P)		< 0.05			Grab	0.02	Colorimetric
Sulphate (SO ₄)	= 0				Grab	30	Turbidimetric
Phenols (Sum)		< 0.1			Grab	0.1	GC-MS2

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper

For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Additional Comments:	default settings of 01/01/09 and 0 where results are not available Default setting of 01/01/09 and 0 where results are not available.
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TABLE F.1(i)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1d
Grid Ref (12 digits, 6E, 6N)	121565 / 034612

Parameter	Results (µg/l)			Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	28/05/09				
Atrazine		< 0.01		Grab	0.96	HPLC
Dichloromethane		< 1		Grab	1	GC-MS1
Simazine		< 0.01		Grab	0.01	HPLC
Toluene		< 0.28		Grab	0.02	GC-MS1
Tributyltin	= 0			Grab	0.02	GC-MS1
Xylenes		< 1		Grab	1	GC-MS1
Arsenic		= 2.8		Grab	0.96	ICP-MS
Chromium		< 20		Grab	20	ICP-OES
Copper		< 20		Grab	20	ICP-OES
Cyanide		< 5		Grab	5	Colorimetric
Flouride		= 765		Grab	100	ISE
Lead		< 20		Grab	20	ICP-OES
Nickel		< 20		Grab	20	ICP-OES
Zinc		< 20		Grab	20	ICP-OES
Boron		= 107.1		Grab	20	ICP-OES
Cadmium		< 20		Grab	20	ICP-OES
Mercury		< 0.2		Grab	0.2	ICP-MS
Selenium		= 1766		Grab	0.74	ICP-MS
Barium		< 20		Grab	20	ICP-OES

Additional Comments:	TBT value is 0.02ug/l as Sn Default on 01/01/09 and 0 where results are not available yet. Results for TBT to follow.
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TABLE F.1(i)(a): SURFACE/GROUND WATER MONITORING

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1u
Grid Ref (12 digits, 6E, 6N)	121153 / 035319

Parameter	Results (mg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	28/05/09					
pH		= 8.1			Grab	2	Electrochemical
Temperature	= 0				Grab	0.5	electrochemical
Electrical Conductivity (@ 25°C)		= 47800			Grab	0.5	Electrochemical
Suspended Solids		= 35			Grab	0.5	Gravimetric
Ammonia (as N)		= 0.5			Grab	0.02	Colorimetric
Biochemical Oxygen Demand		= 1			Grab	0.06	Electrochemical
Chemical Oxygen Demand		= 28			Grab	8	Digestion & Colorimetric
Dissolved Oxygen	= 0				Grab	0	ISE
Hardness (as CaCO ₃)	= 0				Grab	0	titrimetric
Total Nitrogen (as N)		= 0.26			Grab	0.5	Digestion & Colorimetric
Nitrite (as N)		< 0.1			Grab	0.013	colorimetric
Nitrate (as N)		< 0.5			Grab	0.04	Colorimetric
Total Phosphorous (as P)		< 0.05			Grab	0.2	Digestion & Colorimetric
OrthoPhosphate (as P)		< 0.05			Grab	0.02	Colorimetric
Sulphate (SO ₄)	= 0				Grab	30	Turbidimetric
Phenols (Sum)		< 0.1			Grab	0.1	GC-MS2

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper

For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

Additional Comments:	Default value of 01/01/09 and 0 used where results are not available. Sulphate results not available due to saline interference.
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TABLE F.1(i)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1u
Grid Ref (12 digits, 6E, 6N)	121153 / 035319

Parameter	Results (µg/l)			Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	28/05/09				
Atrazine		< 0.01		Grab	0.96	HPLC
Dichloromethane		< 1		Grab	1	GC-MS1
Simazine		< 0.01		Grab	0.01	HPLC
Toluene		< 0.28		Grab	0.02	GC-MS1
Tributyltin	= 0			Grab	0.02	GC-MS1
Xylenes		< 1		Grab	1	GC-MS1
Arsenic		< 0.96		Grab	0.96	ICP-MS
Chromium		< 20		Grab	20	ICP-OES
Copper		< 20		Grab	20	ICP-OES
Cyanide		< 5		Grab	5	Colorimetric
Flouride		= 791		Grab	100	ISE
Lead		< 20		Grab	20	ICP-OES
Nickel		< 20		Grab	20	ICP-OES
Zinc		< 20		Grab	20	ICP-OES
Boron		< 2159		Grab	20	ICP-OES
Cadmium		< 20		Grab	20	ICP-OES
Mercury		< 0.2		Grab	0.2	ICP-MS
Selenium		= 3.2		Grab	0.74	ICP-MS
Barium		< 20		Grab	20	ICP-OES

Additional Comments:	TBT value is 0.02ug/l as Sn Default on 01/01/09 and 0 where results are not available yet. Results for TBT to follow.
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Annex 2: Check List For Regulation 16 Compliance

Regulation 16 of the waste water discharge (Authorisation) Regulations 2007 (S.I. No. 684 of 2007) sets out the information which must, in all cases, accompany a discharge licence application. In order to ensure that the application fully complies with the legal requirements of regulation 16 of the 2007 Regulations, all applicants should complete the following.

In each case, refer to the attachment number(s), of your application which contains(s) the information requested in the appropriate sub-article.

Regulation 16(1) In the case of an application for a waste water discharge licence, the application shall -		Attachment Number	Checked by Applicant
(a)	give the name, address, telefax number (if any) and telephone number of the applicant (and, if different, of the operator of any treatment plant concerned) and the address to which correspondence relating to the application should be sent and, if the operator is a body corporate, the address of its registered office or principal office,	B.1	Yes
(b)	give the name of the water services authority in whose functional area the relevant waste water discharge takes place or is to take place, if different from that of the applicant,	Not Applicable	Yes
(c)	give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the location of the waste water treatment plant and/or the waste water discharge point or points to which the application relates,	B.2	Yes
(d)	state the population equivalent of the agglomeration to which the application relates,	B.9(i)	Yes
(e)	specify the content and extent of the waste water discharge, the level of treatment provided, if any, and the flow and type of discharge,	C,D	Yes
(f)	give details of the receiving water body, including its protected area status, if any, and details of any sensitive areas or protected areas or both in the vicinity of the discharge point or points likely to be affected by the discharge concerned, and for discharges to ground provide details of groundwater protection schemes in place for the receiving water body and all associated hydrogeological and geological assessments related to the receiving water environment in the vicinity of the discharge.	F.1	Yes
(g)	identify monitoring and sampling points and indicate proposed arrangements for the monitoring of discharges and, if Regulation 17 does not apply, provide details of the likely environmental consequences of any such discharges,	E.3	Yes
(h)	in the case of an existing waste water treatment plant, specify the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application,	E.4	Yes
(i)	describe the existing or proposed measures, including emergency procedures, to prevent unintended waste water discharges and to minimise the impact on the environment of any such discharges,	G.3	Yes
(j)	give particulars of the nearest downstream drinking water abstraction point or points to the discharge point or points,	Not Applicable	Yes
(k)	give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than those into which the emissions are, or are to be made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit any pollution caused in such discharges,	F.1	Yes
(l)	give detail of compliance with relevant monitoring requirements and treatment standards contained in any applicable Council Directives of Regulations,	E.1,E.4	Yes
(m)	give details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such work.	G.1	Yes
(n)	Any other information as may be stipulated by the Agency.	Not Applicable	Yes
Regulation 16(3) Without prejudice to Regulation 16 (1) and (2), an application for a licence shall be accompanied by -		Attachment Number	Checked by Applicant
(a)	a copy of the notice of intention to make an application given pursuant to Regulation 9,	B.8	Yes
(b)	where appropriate, a copy of the notice given to a relevant water services authority under Regulation 13,	Not Applicable	Yes
(c)	Such other particulars, drawings, maps, reports and supporting documentation as are necessary to identify and describe, as appropriate -	B	Yes
(c) (i)	the point or points, including storm water overflows, from which a discharge or discharges take place or are to take place, and	B.3, B.5	Yes
(c) (ii)	the point or points at which monitoring and sampling are undertaken or are to be undertaken,	E.3	Yes
(d)	such fee as is appropriate having regard to the provisions of Regulations 38 and 39.	B.9(iii)	Yes

Regulation 16(4) An original application shall be accompanied by 2 copies of it and of all accompanying documents and particulars as required under Regulation 16(3) in hardcopy or in an electronic or other format as specified by the Agency.		Attachment Number	Checked by Applicant
1	An Original Application shall be accompanied by 2 copies of it and of all accompanying documents and particulars as required under regulation 16(3) in hardcopy or in electronic or other format as specified by the agency.		Yes
Regulation 16(5) For the purpose of paragraph (4), all or part of the 2 copies of the said application and associated documents and particulars may, with the agreement of the Agency, be submitted in an electronic or other format specified by the Agency.		Attachment Number	Checked by Applicant
1	Signed original.		Yes
2	2 hardcopies of application provided or 2 CD versions of application (PDF files) provided.		Yes
3	1 CD of geo-referenced digital files provided.		Yes
Regulation 17 Where a treatment plant associated with the relevant waste water works is or has been subject to the European Communities (Environmental Impact Assessment) Regulations 1989 to 2001, in addition to compliance with the requirements of Regulation 16, an application in respect of the relevant discharge shall be accompanied by a copy of an environmental impact statement and approval in accordance with the Act of 2000 in respect of the said development and may be submitted in an electronic or other format specified by the Agency		Attachment Number	Checked by Applicant
1	EIA provided if applicable	Not Applicable	Yes
2	2 hardcopies of EIS provided if applicable.	Not Applicable	Yes
3	2 CD versions of EIS, as PDF files, provided.	Not Applicable	Yes
Regulation 24 In the case of an application for a waste water discharge certificate of authorisation, the application shall –		Attachment Number	Checked by Applicant
(a)	give the name, address, telefax number (if any) and telephone number of the applicant and the address to which correspondence relating to the application should be sent and, if the operator of the waste water works is a body corporate, the address of its registered office or principal office		
(b)	give the name of the water services authority in whose functional area the relevant waste water discharge takes place or is to take place, if different from that of the applicant,		
(c)	give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the location of the discharge point or points to which the application relates,		
(d)	state the population equivalent of the agglomeration to which the application relates,		
(e)	in the case of an application for the review of a certificate, specify the reference number given to the relevant certificate in the register,		
(f)	specify the content and extent of the waste water discharge, the level of treatment provided and the flow and type of discharge,		
(g)	give details of the receiving water body, its protected area status, if any, and details of any sensitive areas or protected areas, or both, in the vicinity of the discharge point or points or likely to be affected by the discharge concerned,		
(h)	identify monitoring and sampling points and indicate proposed arrangements for the monitoring of discharges and of the likely environmental consequences of any such discharges,		
(i)	in the case of an existing discharge, specify the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application,		
(j)	describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected waste water discharges and to minimise the impact on the environment of any such discharges,		
(k)	give particulars of the location of the nearest downstream drinking water abstraction point or points to the discharge point or points associated with the waste water works,		
(l)	give details of any designation under any Council Directive or Regulations that apply in relation to the receiving waters,		
(m)	give details of compliance with any applicable monitoring requirements and treatment standards,		
(n)	give details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such work,		
(o)	give any other information as may be stipulated by the Agency, and		
(p)	be accompanied by such fee as is appropriate having regard to the provisions of Regulations 38 and 39.		