

CORK COUNTY COUNCIL WESTERN DIVISION WATER SERVICES

Courthouse, Skibbereen, Co. Cork

APPLICATION FOR WASTE

WATER DISCHARGE CERTIFICATE

TRAGUMNA, CO. CORK.

Application Form 22nd December 2009



CORK COUNTY COUNCIL WESTERN DIVISION WATER SERVICES

Courthouse, Skibbereen, Co. Cork

Re: Waste Water Discharge Certificate Application for the Agglomeration of Tragumna

Dear Sir/Madam,

Please find enclosed Cork County Council's Waste Water Discharge Certificate Application for the agglomeration of Tragumna.

The following documentation is enclosed:

- 1 Nr. Signed original in hardcopy
- 1 Nr. Copy in hardcopy
- 2 Nr. CD-ROM with all cocumentation 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.

Niall O'Mahony, Senior Engineer.

Comhairle Contae Chorcaí Tel. No. (021) 4532700 • Fex No. (021) 4532727 Cork County Council

Environmental Directorate, Inniscarra, Co. Cork. Web: www.corkcoco.ie An Stiúrthóireacht Comhshaoil. Inis Cara, Co. Corcaigh.

Fón: (021) 4532700 • Faics: (021) 4532727 Suíomh Gréasáin: www.corkcoco.ie



Mr. Frank Clinton, Program Manager, Office of Climate, Licensing & Resource Use, **Environment Protection Agency,** Headquarters, PO Box 3000, Johnstown Castle Estate, County Wexford.

16th December. 2009

Re: Waste Water Discharge (Authorisation) Regulations 2007 - fees payable in respect of applications to be submitted by 22nd December, 2009.

Dear Mr. Clinton,

I refer to the 72 certificate applications and 3 discharge authorisation licence applications which will be submitted by the council under the above regulations before the 22nd December next.

I note that the fees payable in respect of these applications amount to €246,000 and refer you to our letter of 7th November 2008 (sent by Ted O'Leary, Senior Executive Officer) seeking a rebate/reduction, as is provided for under Art 38 (3) of the regulations. I note that since that letter the council has paid a further € 570,000 in applications fees meaning that the total amount paid by the council to date amounts to € 1,245,000.

As you will appreciate, in the current economic climate, the amount payable in respect of this final batch of applications is a significant sum that was not budgeted for in 2009. Moreover we have paid a substantial amount in fees already and have made our case for a reduction/rebate. Accordingly, I must advise that we are not submitting payment in respect of these applications as we anticipate the rebate due to the council exceeds the fees payable.

Yours faithfully,

Louis Duffy,

Director of Service,

Environment & Emergency Services Directorate

This is a draft document and is subject to revision.



Waste Water Discharge Certificate of Authorisation Application Form

EPA Ref. Nº:	
(Office use only)	

Environmental Protection Agency

PO Box 3000, Johnstown Castle Estate, Co. Wexford Lo Call: 1890 335599 Telephone: 053-9160600 Fax: 053-9160699

Web: www.epa.ie Email: info@epa.ie



Tracking Amendments to Draft Application Form

Version No.	Date	Amendment since previous version	Reason
V. 1.	12/06/2009	N/A	
V.2.	17/06/2009	Delete reference to Design Build and Operate	To accurately reflect the information required for the small schemes programme
		Delete the requirement to provide contact information for the associated waste water treatment plant	To accurately reflect the information required and the scale of the waste water works
		Replace references to the Water Services investment Programme with the Small Schemes Programme	To accurately reflect the information required for the small schemes programme
		Update references to hew legislation Inclusion the requirement of the submit information on private	To reflect changes in legislation
		Inclusion the requirement to submit information within the agglomeration.	



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

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ABOUT THIS APPLICATION FORM

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

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

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

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

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

PROCEDURES

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

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

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

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

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

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

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

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

Note: <u>Drawings</u>. The following quidelines are included to assist applicants:

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

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

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SECTION A: NON-TECHNICAL SUMMARY

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

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

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

A description of:

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

General

Tragumna is a small coastal resort 6km south of Skibbereen. It has a small popular beach which is a designated bathing area.

The existing sewerage scheme comprises of a small network of sewers gravitating towards the Waste-water Treatment Plant located to the north of the agglomeration. The existing sewerage system serves 2no.houses and Tragumna public toilets.

Tragumna Wastewater Treatment Plant

The wastewater treatment plant consists of primary & secondary treatment. The main elements of the Wastewater Treatment Plant are as follows:

Septic Tank

The 2no. houses and public toilets drain to a septic tank located to the north of the agglomeration. The capacity of the septic tank is 4000 litres.

According to BS 6297 the capacity of the septic tank can cater for a PE of 11.

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%.

From the septic tank the wastewater drains to a small sump where it passes through a screen and pumped up into the Puraflo wastewater treatment system.

Pumping Station

There is one submersible pump on duty. The pump is used to pump the waste water into the Puraflo wastewater treatment system. In the event of pump/power failure there is an emergency overflow in place which discharges to the culvert which in turn discharges to the sea.

Puraflo Wastewater Treatment System

Puraflo wastewater treatment systems are high performance systems, removing 99.9% total and faecal coliforms. A typical module consists of peat fibre with a distribution pipe located near the top of the module. Wastewater percolates down through the peat. A combination of biological, chemical and physical processes treat the wastewater as it filters through the biofibrous peat in the modules. In this case the treated effluent is discharged to the culvert which in turn discharges to the sea.

Because of the high level of treatment, disinfection and ammonia removal Puraflo wastewater treatment systems are ideal for effluent discharging in the vicinity of bathing waters, shellfish wasters, groundwaters/abstraction waters. Bord na Mona suppliers of the Puraflo system claim the following for the treated wastewater quality:

BOD: 15mg/l TSS: 15mg/l

Total Coliforms elimination >99.9% Faecal Coliforms elimination >99.9%

The primary discharge is located in the vicinity of designated bathing waters.

The source of Emissions for the Wastewater Works

The effluent from Tragumna agglomeration is mainly domestic and with no industrial contribution. Wastewater undergoes primary and secondary treatment prior to being discharged by means of a septic tank and a Puraflo Wastwater Treatment System. The Waste water Treatment Plant can cater for a population equivalent of 11.

The nature and quantities of foreseeable emissions from the wastewater works into the receiving aqueous environment as well as identification of significant effects of the emission to the environment

The sources of emissions from the Tragumna agglomeration are considered domestic. The specific zoning objective in the Skibbereen Electoral Area Local Area Plan is "Low density residential development subject to the construction of an adequate sewerage scheme. The general zoning objective is for single individual houses with individual sewerage facilities until an adequate sewerage works is constructed. Thus there will be no impact on the existing Council controlled septic tank and Puraflo treatment system.

The proposed technology and other techniques for preventing or, where this is not possible, reducing emissions form the wastewater works

There is no programme of improvements proposed for the septic tank and Puraflo Wastewater Treatment System in the Tragumna agglomeration. The fact that the effluent being discharge is mainly domestic and with no industrial contribution it is felt that the septic tank and Puraflo Treatment Plant is working satisfactory and that the emissions from the agglomeration will not result in significant environmental pollution.

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

There is no programme of improvements proposed for the septic tank and Puraflo Wastewater Treatment System in the Tragumna agglomeration. The fact that the effluent being discharged is mainly domestic and with no industrial contribution it is felt that the septic tank and Puraflo Treatment Plant is working satisfactory and that the emissions from the agglomeration will not result in significant environmental pollution.

At present all septic tanks under the control of Cork County Council are monitored and maintained by full time Cork County Council personnel and are desludged if necessary thereby ensuring no significant pollution is caused.

The Puraflo Wastewater Treatment system serving this agglomeration is designed to treat waste water to the following standard:

BOD: 15mg/l TSS: 15mg/l

Total Coliforms elimination >99.9% Faecal Coliforms elimination >99.9%

Measures planned to monitor emission into the environment

The emissions from the existing sewage system can be monitored through the sampling point aSW-1 Eff and aSW-1 Coast.

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

Supporting information should form Attachment Nº A.1

SECTION B: GENERAL

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

B.1 Agglomeration Details

Name of Agglomeration: Tragumna

Applicant's Details

Name and Address for Correspondence

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

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

_	
Name*:	Cork County Council
Address:	Water Services (Western Division)
	Courthouse
	Skibbereen
	Co. Cork
Tel:	028-21299
Fax:	028-21995 <u>rpo ji</u> re ^t
e-mail:	niall.omahony@corkcoco.1e.

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

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

	<u> </u>
Name*:	Niall O'Mahony &
Address:	Cork County & uncil
	Courthouse
	Skibbereen
	Co. Cork
Tel:	028-21299
Fax:	028-21995
e-mail:	niall.omahony@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*: Address:	Not Applicable
Address:	
Tel:	
Tel: Fax: e-mail:	
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 waste water discharge Certificate of Authorisation application.

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

Attachment included	Yes	No
	√	

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

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

Name*:	James O'Dwyer
Address:	Rectory
	Cork Road
	Skibbereen
	Co. Cork
Grid ref	E: 112180 N: 028535
(6E, 6N)	aller
Level of	Secondary 3. M
Treatment	- Se of Forth

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

Attachment B.2 should contain appropriately scaled drawings / maps (≤A3) of the site boundary and overall site plan, including labelled discharge, monitoring and sampling points. These drawings / maps should also be provided as georeferenced 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 waste water works.

Discharge	Surface Water
_	Surface Water
to	
Type of	Point source
Discharge	
Unique	SW01 TRAG
Point Code	
Location	Coastal
Grid ref	E: 112189 N: 028528
(6E, 6N)	

Attachment B.3 should contain appropriately scaled drawings / maps (≤A3) of the discharge point, including labelled monitoring and sampling points associated with the discharge point. These drawings / maps should also be provided as georeferenced 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 waste water works. Please refer to Guidance Note for information on Secondary discharge points.

Discharge	Not applicable
to	• •
Type of Discharge	
Unique	r use
Point Code	offet
Location	all all
Grid ref	set Afor
(6E, 6N)	and the state of t

*Where a septic tank is in existence simultaneous to a package plant within an agglomeration, discharges from the septic tank shall be considered as a secondary discharge.

Attachment B.4 should contain appropriately scaled drawings / maps (≤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 waste water works.

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

Attachment B.5 should contain appropriately scaled drawings / maps (≤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	
Address:	Planning Department	
	Norton House	
	Skibbereen	.©.
	Co. Cork	ex 112
Tel:	028-40340	- Jolite
Fax:	028-21660	Orlig all
e-mail:		and the second s

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

has been obtained	23/2	is being processed	
is not yet applied for		is not required	\checkmark

Local Authority Planning File Reference №:	

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.

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
Address:	Area Headquarters
	Hospital Grounds
	Skibbereen
Tel:	028-40400
Fax:	028-21006
e-mail:	info@hse.ie

B. 8(i) Population Equivalent of Agglomeration

TABLE B.8.1 POPULATION EQUIVALENT OF AGGLOMERATION

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

Population Equivalent	aectic wher	11
Data Compiled (Year)	insphi o	2009
Method	i copyrie	Total Capacity of the Septic Tank
- Ent	,	

PE 2 Residential Unit = 6
Public Toilets (in line with water usage) = 5

Total PE = 11

B.8 (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 waste water works to accommodate this extra hydraulic and organic loading without posing an environmental risk to the receiving waters.

There is no planning permission granted for development within the agglomeration.

B.8 (iii) FEES

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

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

Appropriate Fee Included	Yes	No
		√*

^{*}please see copy of attached letter sent by registered post to Mr F. Clinton ,Programme Manager , Licencing Unit EPA on December 18th 2009

B.9 Capital Investment Programme

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

There is no programme of works prioritised for the development of infrastructure to appropriately collect, convey, treat and discharge waste water from Tragumna agglomeration.

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

Attachment included	Yes	No
c official contraction		✓

B.10 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.

No section 63 notice has been issued in relation to the waste water works.

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

Attachment included	Yes	No
		√

B.11 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.

There is no Foreshore Act Licence issued in relation to discharges from the waste water works.

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

Attachment included	Yes	No
		√

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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 waste water works the following information shall be submitted:

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

C.1.2 Pumping Stations

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

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

Description of the existing plant process and design capacity:

The existing sewerage scheme comprises of a small network of sewers gravitating towards the Waste-water Treatment Plant located to the north of the agglomeration. The existing sewerage system serves 2no. houses and Tragumna public toilets.

Tragumna Wastewater Treatment Plant

The wastewater treatment plant consists of primary & secondary treatment. The main elements of the Wastewater Treatment Plant are as follows:

Septic Tank

The 2no. of houses and public toilets drain to a septic tank located to the north of the agglomeration. The capacity of the septic tank is 4000 litres.

According to BS 6297 the capacity of the septic tank can cater for a PE of 11.

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%.

From the septic tank the wastewater drains to a small sump where it passes through a screen and is pumped up into the Puraflo wastewater treatment system.

Pumping Station

There is one submersible pump on duty. The pump is used to pump the waste water into the Puraflo wastewater treatment system. In the event of pump/power failure there is an emergency overflow in place which discharges to the culvert which in turn discharges to the sea.

Puraflo Wastewater Treatment System

Puraflo wastewater treatment systems are high performance systems, removing 99.9% total and faecal coliforms. A typical module is consists of peat fibre with a distribution pipe located near the top of the module. Wastewater percolates down through the peat. In this case the treated effluent is discharged to the culvert which in turn discharges to the sea.

The Puraflo Wastewater Treatment system serving this agglomeration is designed to treat waste water to the following standart:

BOD: 15mg/l TSS: 15mg/l

Puraflo wastewater treatment systems are usually used in sites with either fast or slow percolation rate soil conditions. Because of the high level of treatment, disinfection and ammonia removal Puraflo wastewater treatment systems are ideal for effluent discharging in the vicinity of battning waters, shellfish wasters, groundwaters/abstraction waters.

The primary discharge is located in the vicinity of designated bathing waters.

Frequency & duration of activation of storm overflow to receiving waters: Not applicable

Emergency Overflows:

In the event of pump/power failure and when the pump sump reaches its full capacity, an emergency overflow is in place which discharges wastewater to the culvert.

Frequency & duration of activation of emergency overflow to receiving waters:

According to the Cork County Council's caretaker, who is monitoring the septic tank and Puraflow system, the pump has never failed but when the power fails, which is rare, the sump appears to have enough capacity to deal with the problem until an alternative power supply can be put in place.

Location of discharge entering the receiving waters:

The discharge from the Puraflo wastewater system enters a culvert under a car park which in turn discharges to the sea. The primary discharge point is taken from where this culvert discharges to the sea. The location of which is shown on Drawing No TRAG B3-01.

Table C.1.1: Details of Existing Discharging Outfalls

Discharge	Reference	Location	Design Criteria	Construction Details
Primary	SW01 Trag	E: 112189	Pipe	Discharge to Culvert
		N: 028528	discharging to a	
			culvert	

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
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Consentor		

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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 discharges are made or are to be made.

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

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

D.1(i) Discharges to Surface Waters Title

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

Find details of all discharges of waste water from the agglomeration in the web based link.

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

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

Attachment included	Yes	No
	√	

D.1(ii) Discharges to Groundwater

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

There are no discharges of waste waster to groundwater from the agglomeration.

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

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

Attachment included	Yes	No
		✓

D.1 (iii) Private Waste Water Treatment Plants

Provide information on all independently owned/operated private waste water treatment plants operating within the agglomeration. Submit a copy of the Section 4 discharge licence issued under the Water Pollution Acts 1977 to 1990, as amended for each discharge.

There are no independently owned/operated private waste water treatment plants operating within the agglomeration.

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
SW 01 TRAG	Primary	Cork County Council	Coastal	Tragumna Bay	SAC and Proposed NHA	E 112189	N 028528

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

SECTION E: MONITORING

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

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

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

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

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

No composite sampling or continuous flow monitoring is in place at present on the discharge point. There are presently no plans for provision of composite sampling and continuous flow monitoring.

E.2. Monitoring and Sampling Points

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

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

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

Details of any accreditation or certification of analysis should be included. **Attachment E.2** should contain any supporting information.

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
aSW-1 Eff	Culvert	S	112149	028449	N
aSW-1 Coast	Receiving Waters	S	112072	028345	N

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

E.4 Sampling Data

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

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

Attachment E.4 should contain any supporting information.

Attachment included	Yes	No
a settor	√	

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

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

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

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

F.1. Impact on Receiving Surface water or Groundwater

Details of monitoring of the receiving surface water should be supplied via the following web based link: http://78.137.160.73/epa wwd licensing/. Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details' should be completed for the primary discharge point. Surface water monitoring locations upstream and downstream of the discharge point shall be screened for those substances listed in Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details'. Monitoring of surface water shall be carried out at not less than two points, one upstream from the discharge location and one downstream.

Find details of monitoring of the receiving surface water in the web based link.

Details of monitoring of the receiving ground water should be supplied via the following web based link: http://78.137.160.73/epa wwd licensing/. Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details' should be completed for the primary discharge point. Ground water monitoring locations upgradient and down gradient of the discharge point shall be screened for those substances listed in Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Test Details'. Monitoring of ground water shall be carried out at not less than two points, one upgradient from the discharge location and one downgradient.

Not applicable. There are no groundwater emissions from the existing discharge points pertaining to this application.

 For discharges from secondary discharge points Tables 'Monitoring Details', 'Monitoring Test Details', 'Dangerous Substances Monitoring Details' and 'Dangerous Substances Monitoring Test Details' should be completed. Not applicable. There are no secondary discharge points pertaining to this application.

Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Submit a copy of the most recent water quality management plan or catchment management plan in place for the receiving water body. Give details of any designation under any Council Directive or Regulations that apply in relation to the receiving surface or groundwater.

The primary discharge is located in the vicinity of designated bathing waters and an Special Area of Conservation. South Western River Basin District (SWRBD) has classified Tragumna Bay as "Probably not at significant Risk".

Impact on Sites

The water usage for the summer period of 2008 for Tragumna public toilets was 1.06 m³ per day. Allowing for 2 m³ for the two houses in the agglomeration gives a total daily consumption of 3.06 m³ for water supply. This equates to a peak discharge of approximately 255 litres per hour (taking a 12 hour day).

On the basis of BOD of 15 mg/l and Total Suspended Solids of 15 mg/l from the primary discharge the total BOD and Suspended Solids is 0.004 kgs/hour each.

Even allowing for a population equivalent of 11 for the public toilets equates to a peak BOD and Suspended Solids discharge of 0.01 kgs/hour.

The levels of coliforms in waste water are as follows:

Total Coliforms – 1x10⁸ cfu/100 mt Faecal Coliforms - 4x 10⁷ cfu/100 mt

Reduction by primary treatment – Assume removal rate of 50%

Total Coliforms – $5x10^7$ cfu/100 ml Faecal Coliforms - $2x10^7$ cfu/100 ml

Reduction of 99.9% by Puraflow

Total Coliforms – 50,000 cfu/100 ml Faecal Coliforms - 40,000 cfu/100 ml

Bathing Water Standards

Total Coliforms – 5,000 cfu/100 ml Faecal Coliforms - 1,000 cfu/100 ml

Therefore dilutions required to reach bathing water standards = 40

As the peak discharge is only 255 litres per hour flowing into the sea it can be readily seen that the required dilutions are available.

Considering the small BOD and Suspended Solids load and the dilutions available it can be seen that the effect on the environment and the Sites can be considered negligible.

 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 which have significant effects on the environment. As the load to the WWTP is mainly domestic and tourism with no industrial contribution it can be assumed that the presence of these substances is negligible. The main parameters which impact the receiving environmental are limited to BOD, suspended solid and bacteria (total and faecal Streptococci).

o In circumstances where drinking water abstraction points exist downstream/down gradient of any discharge describe measures to be undertaken to ensure that discharges from the waste water works will not have a significant effect on faecal coliform, salmonella and protozoan pathogen numbers, e.g., Cryptosporidium and Giardia, in the receiving water environment.

No water abstraction points exist down stream of the discharge location.

- o Indicate whether or not emissions from the agglomeration or any plant, methods, processes, operating procedures or other factors which affect such emissions are likely to have a significant effect on
 - (a) a site (until the adoption), in respect of the site, of a decision by the European Commission under Article 21 of Council Directive 92/43/EEC for the purposes of the third paragraph of Article 4(2) of that Directive)
 - (i) notified for the purposes of Regulation 4 of the Natural Habitats Regulations, subject to any amendments made to it by virtue of Regulation 5 of those Regulations,
 - (ii) details of which have been transmitted to the Commission in accordance with Regulation 5(4) of the Natural Habitats Regulations, or
 - (iii) added by virtue of Regulation 6 of the Natural Habitats Regulations to the list transmitted to the Commission in accordance with Regulation 5(4) of those Regulations,
 - 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)

The primary discharge from this agglomeration flows into Tragumna Bay which is part of the following:

- 1. Special Area of Conservation (Lough Hyne Nature Reserve and Environs) Site Code 000097
- 2. Proposed National Heritage Area (Lough Hyne Nature Reserve and Environs) Site Code 000097.

Parts of the lands adjacent to Tragumna Bay are designated Special Protection Area (Sheeps Head to Toe Head SPA) – Site Code 004156.

The sections of the site synopses most pertinent to the Tragumna area are as follows:

Extract from SAC Site Synopsis

The remainder of the site follows the rocky coastline, whose physical features include marine caves, a habitat listed on Annex I of the EU Habitats Directive, cliffs and a blowhole. The cliffs on the eastern edge of Tragumpa Bay are used by small numbers of breeding seabirds, as well as breeding Raven, Peregrine and Chough. The last two species are listed on Annex I of the EU Bride Directive.

Extract from SPA Site Synopsis

The site supports an important Peregrine population (8 pairs in 2002); this species is listed on Annex I of the E.U. Birds Directive. The site also holds a nationally important population of Black Guillemot (137 individuals), as well as smaller populations of other breeding seabirds: Fulmar (57 pairs), Herring Gull (30 pairs), Shag (17 pairs), Kittiwake (20 pairs) and Great Black-backed Gull (1pair) – all seabird data from 1999, 2001 and 2002.

The Sheep's Head to Toe Head SPA is one of the most important sites in the country for Chough. It also supports an important Peregrine population as well as a range of breeding seabirds, including a population of Black Guillemot of national importance. The presence of Chough and Peregrine, both species that are listed on Annex I of the E.U. Birds Directive, is of particular significance.

As can be seen from the above the main emphasis in the Tragumna area is on seabirds as well as Raven, Peregrine and Chough.

Impact on Sites

The water usage for the summer period of 2008 for Tragumna public toilets was 1.06 m³ per day. Allowing for 2 m³ for the two houses in the agglomeration gives a total daily consumption of 3.06 m³ for water supply. This equates to a peak discharge of approximately 255 litres per hour (taking a 12 hour day).

On the basis of BOD of 15 mg/l and Total Suspended Solids of 15 mg/l from the primary discharge the total BOD and Suspended Solids is 0.004 kgs/hour each.

Even allowing for a population equivalent of 11 for the public toilets equates to a peak BOD and Suspended Solids discharge of 0.01 kgs/hour.

The levels of coliforms in waste water are as follows:

Total Coliforms – 1x10⁸ cfu/100 ml Faecal Coliforms - 4x 10⁷ cfu/100 ml

Reduction by primary treatment – Assume removal rate of 50%

Total Coliforms – $5x10^7$ cfu/100 ml Faecal Coliforms - $2x10^7$ cfu/100 ml

Reduction of 99.9% by Puraflow

Total Coliforms – 50,000 cfu/100 ml Faecal Coliforms - 40,000 cfu/100 ml

Bathing Water Standards

Total Coliforms - 5,000 cfu/100 ml Faecal Coliforms - 1,000 cfu/100 ml

Therefore dilutions required to reach bathing water standards = 40

As the peak discharge is only 255 litres per hour flowing into the sea it can be readily seen that the required dilutions are available.

Considering the small BOD and Suspended Solids load and the dilutions available it can be seen that the effect on the environment and the Sites can be considered negligible.

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

Attachment included	Yes	No
		√

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

ABS_CD	AGG_SERVED	ABS_VOL	PT_CD	DIS_DS	EASTING	NORTHING	VERIFIED
Abstraction Code	Agglomeration served	Abstraction Volume in m³/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.

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 ESA.

Not applicable - No water abstraction points exist down gradient of any of the discharge location.

Attachment F.2 should contain any supporting information.

SECTION G: PROGRAMMES OF IMPROVEMENTS

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

G.1 Compliance with Council Directives

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

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

Compliance with Council Directives

At present there is no record of non compliance in relation to the emissions from the agglomeration with the council directives. The influent undergoes secondary treatment at Tragumna Waste Water Treatment Plant prior to being discharged to the Tragumna Bay. As the effluent being discharge is mainly domestic and with no industrial contribution, it can be assumed that the emissions from the agglomeration will not result in the contravention of the Council Directives.

Dangerous Substances Directive 2006/11/EC

The effluent from Tragumna agglomeration is mainly domestic and with no industrial contribution, we can assume that any dangerous substance mentioned in the Dangerous Substances Regulations will not be present in the discharge.

Water Framework Directive 2000/60/EC

Water Framework Directive 2000/60/EC – 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 South Western River Basin District (SWRBD) Risk Assessment of Tragumna Bay has resulted in the SWRBD stating that the bay is "not at significant risk" of pollution. The South Western River Basin District (SWRBD) has classified the Tragumna Bay, where the Waste Water Treatment Plant discharges, as "unassigned".

Effluent being discharged is mainly domestic, with no industrial contribution. As can be seen from Section F.1 above the impact of the discharge on the environment is negligible. Consequently the emissions from the agglomeration will not result in the contravention of the Water Framework Directive.

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

As can be seen from Site Synopses for both the Special Area of Conservation (SAC) covering Tragumna Bay and the Special Protection Area (SPA) covering parts of land adjacent to the Bay the main emphasis is on seabirds as well as Raven, Peregine and Chough. Section F.1 outlines the effects on the sites from the discharge which can be seen to be negligible considering the small volume of discharge and the large dilutions available.

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

Not applicable as all discharges are to the sea.

Drinking Water Directives 80/778/EEC

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

Urban Waste Water Treatment Directive 91/271/EEC

Waste water at the Tragumna WWTP is subject to secondary treatment prior to discharge in order to meet with the required discharge standards as set out under the Urban Waste Water Treatment Regulations 2001. From the sample of the effluent detailed in Attachment E.4 of this application, BOD level is 4mg/l which doesn't exceed the limit for BOD, 25mg/l as set out in these Regulations. Samples from the treatment plant discharge are analysed for BOD, COD, Ammonia, pH, suspended solids, Total Nitrogen, Total Phosphorus, sulphate, Orthophosphate and metals.

The Puraflo Wastewater Treatment system serving this agglomeration is designed to treat waste water to the following standard:

BOD: 15mg/l
TSS: 15mg/l
Total Coliforms elimination >99.9%
Faecal Coliforms elimination \$99.9%

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 all wastewater treatment plants & septic tanks under the control of Cork County Council are monitored and maintained by full time Cork County Council personnel and are desludged if deemed necessary, thus reducing the possibility of environmental damage.

Bathing Water Directive 76/160/EEC

The levels of coliforms in waste water are as follows:

Total Coliforms – 1x10⁸ cfu/100 ml Faecal Coliforms - 4x 10⁷ cfu/100 ml

Reduction by primary treatment – Assume removal rate of 50%

Total Coliforms – $5x10^7$ cfu/100 ml Faecal Coliforms - $2x10^7$ cfu/100 ml

Reduction of 99.9% by Puraflow

Total Coliforms – 50,000 cfu/100 ml Faecal Coliforms - 40,000 cfu/100 ml

Bathing Water Standards

Total Coliforms – 5,000 cfu/100 ml Faecal Coliforms - 1,000 cfu/100 ml

Therefore dilutions required to reach bathing water standards = 40

As the peak discharge is only 255 litres per hour flowing into the sea it can be readily seen that the required dilutions are available to achieve compliance with this directive.

Shellfish Waters Directive 79/923/EEC

There are no waters designated for shells in the vicinity of the discharge.

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 the European Communities Environmental Objectives (Surface Waters) Regulations 2009

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 European Communities Environmental Objectives (Surface Waters) Regulations 2009 are being achieved. Provide details of any specific measures adopted for waste water works specified in Phosphorus Measures Implementation reports and the progress to date of those measures. Provide details highlighting any waste water works that have been previously identified as the principal sources of pollution under the Phosphorous Regulations (S.I. No. 258 of 1998).

Not applicable as discharge is to coastal waters.

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.

There is no programme of improvements proposed for the septic tank and wastewater treatment plant in the Tragumna agglomeration. The fact that the effluent being discharged is mainly domestic and with no industrial contribution it is felt that the waste water treatment plant which has recently been constructed is working satisfactorily and producing effluent to Urban Wastewater Regulations standards that the emissions from the agglomeration will not result in significant environmental pollution.

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	only and Yes	No
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G.4 Storm Water Overflows &

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

Not applicable – There are no storm water overflows pertaining to this application.

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

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

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

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

SECTION I: JOINT DECLARATION

Joint Declaration Note1

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

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

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

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

Lead Authority	Ne.
Signed by :	o ^{litet} Date :
(on behalf of the organisation)	्ड तार्मि : वार्मि <u> </u>
Print signature name:	reditied
Position in organisation:	
Follytis	
Co-Applicants	
Signed by: (on behalf of the organisation)	Date :
Print signature name	
Fillit signature name.	
Signed by: (on behalf of the organisation) Print signature name: Position in organisation: Co-Applicants Signed by: (on behalf of the organisation) Print signature name: Position in organisation)	
Signed by :	Date :
(on behalf of the organisation)	Date i
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.

ANNEX 1 - TABLES / ATTACHMENTS

Section A - Non Technical Summary

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

Section B - General

Attachment B1 - TRAG B1-01 - Tragumna Agglomeration Boundary Map

Attachment B2 - TRAG B2-01 - Site Location of Waste water Treatment Plant

Attachment B2 - TRAG B2-02 - Site Layout of Waste water Treatment Plant

Attachment B3 - TRAG B3-01 - Location of the Primary Discharge Point

Section E - Monitoring

Attachment E2 - Monitoring Programme

Attachment E2 - TRAG E2-01 - Locations of Sampling Points

Attachment E4 - Sampling Data

Tables

Agglomeration Details

Tables D.1 – Emissions to Surface

Table E.1 - Wastewater Frequency and Quantity of Discharge

Table F.1 - Surface Monitoring

ANNEX 2 - Checklist

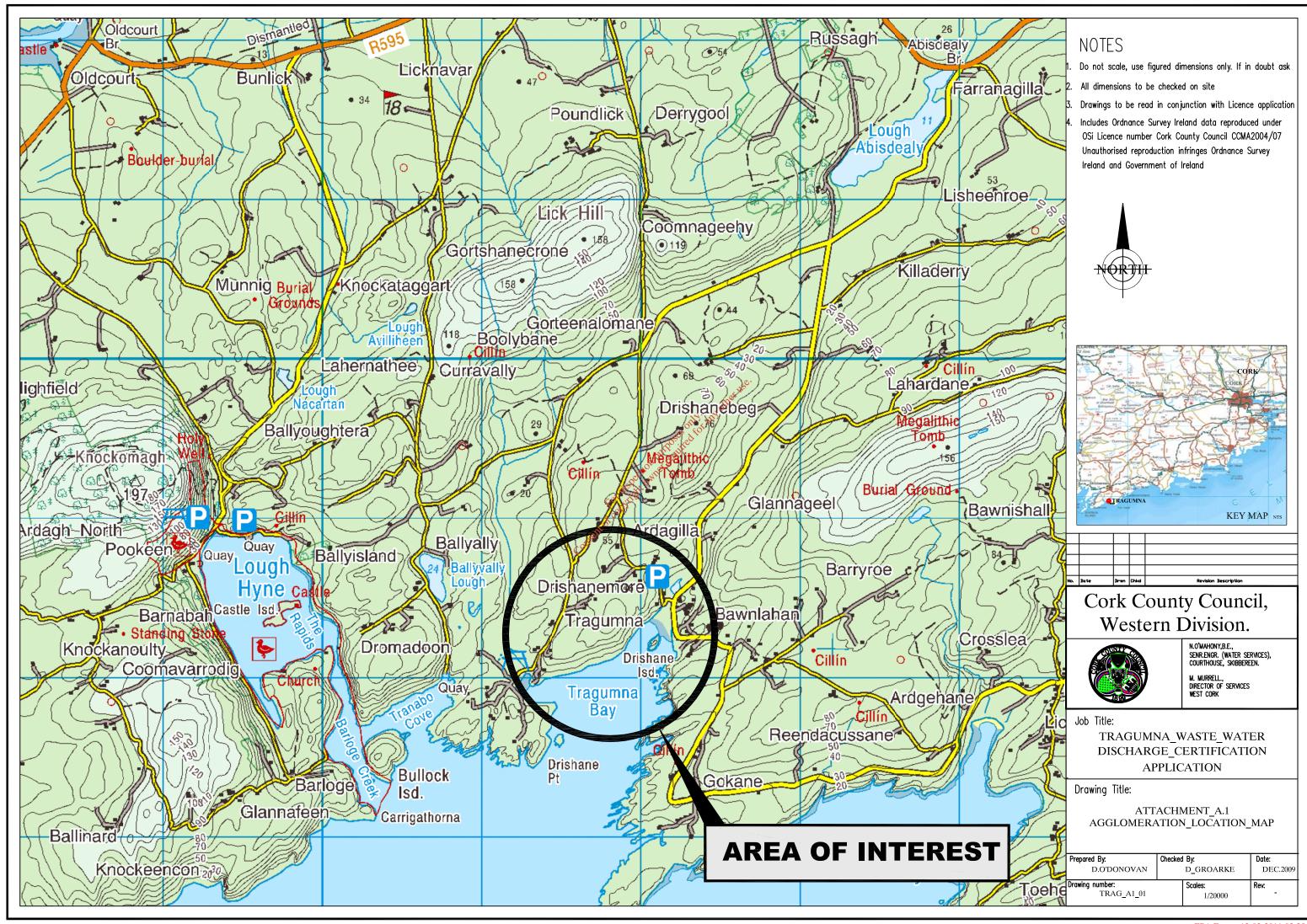
Checklist for Regulation 16/17 Compliance

SECTION A

Attachment A1

Мар:

• TRAG A1-01 - Site Location Map

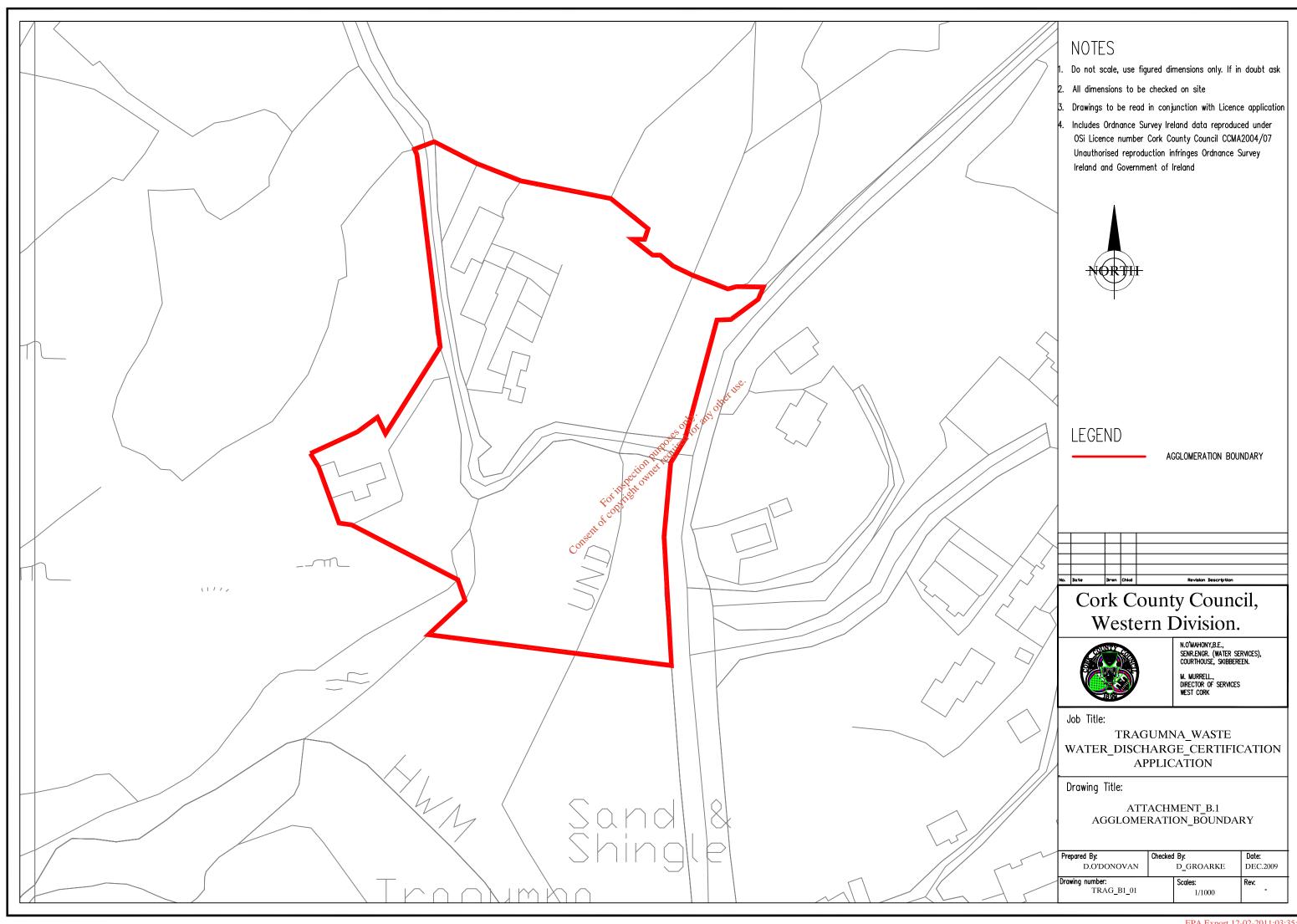


SECTION B

Attachment B1

<u> Map:</u>

• TRAG B1-01 – Tragumna Agglomeration Boundary Map

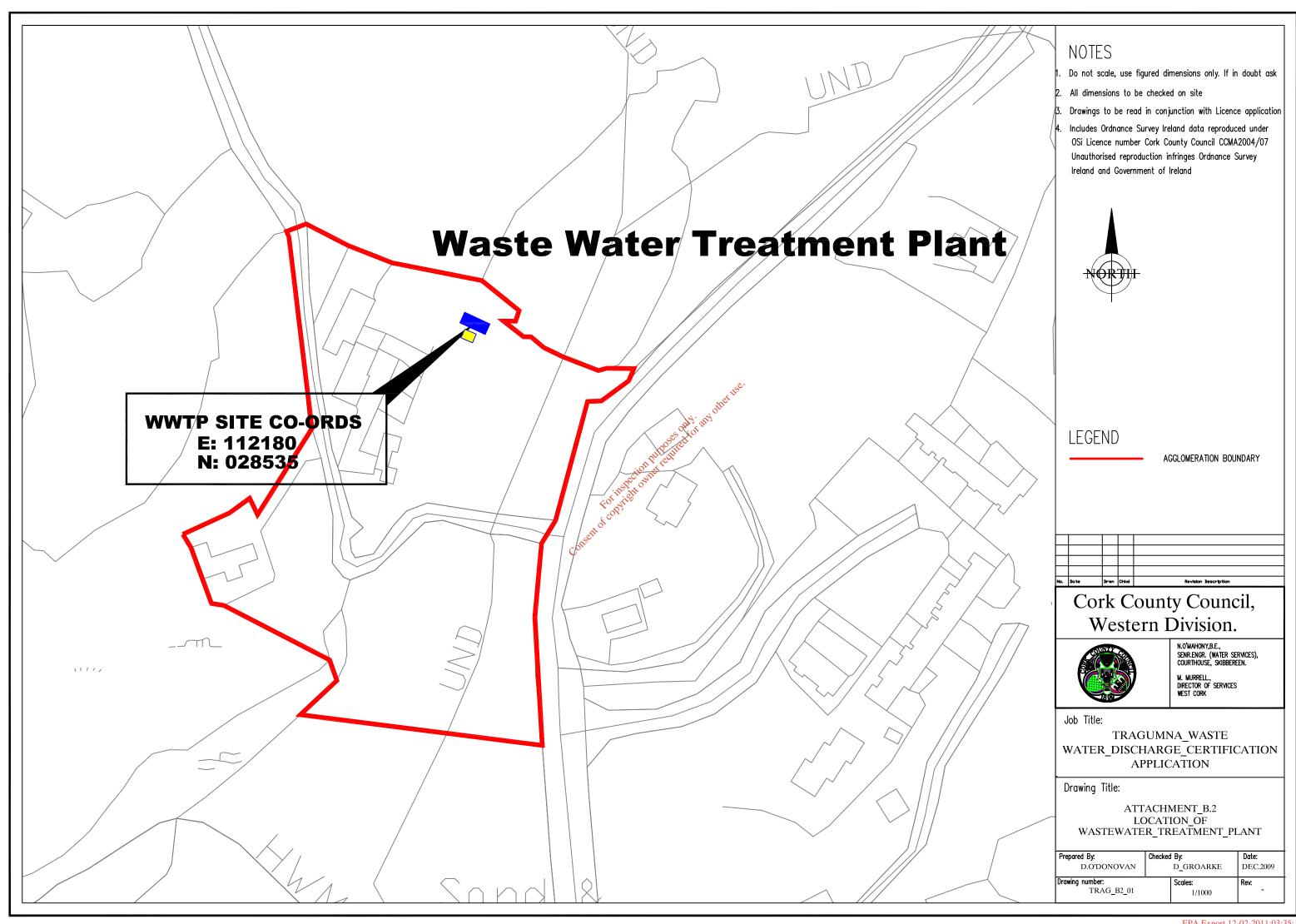


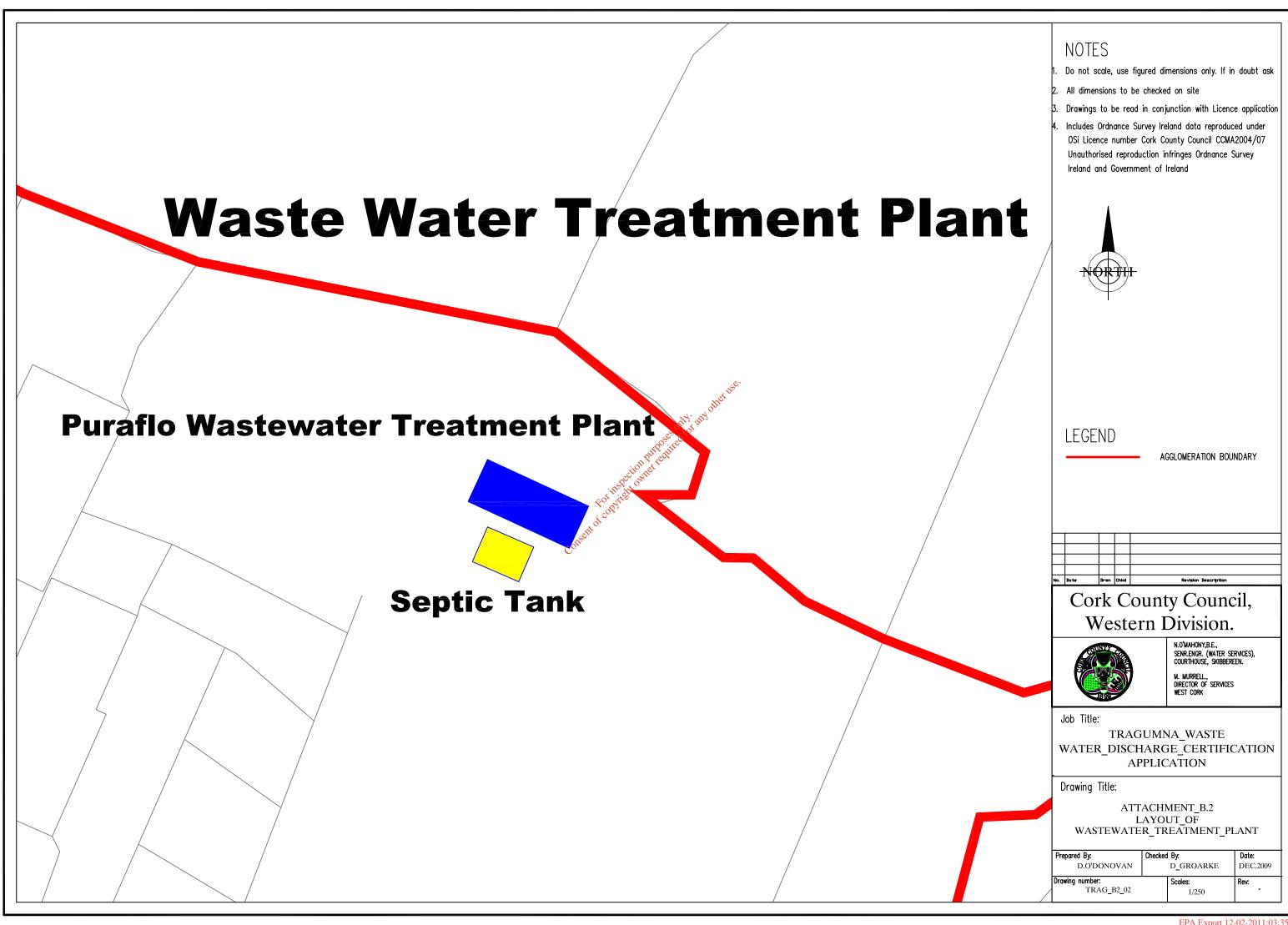
Attachment B.2

Attachment B2

Map:

- TRAG B2-01 Site Location of Wastewater Treatment Plant
- TRAG B2-02 Site Layout of Wastewater Treatment Plant



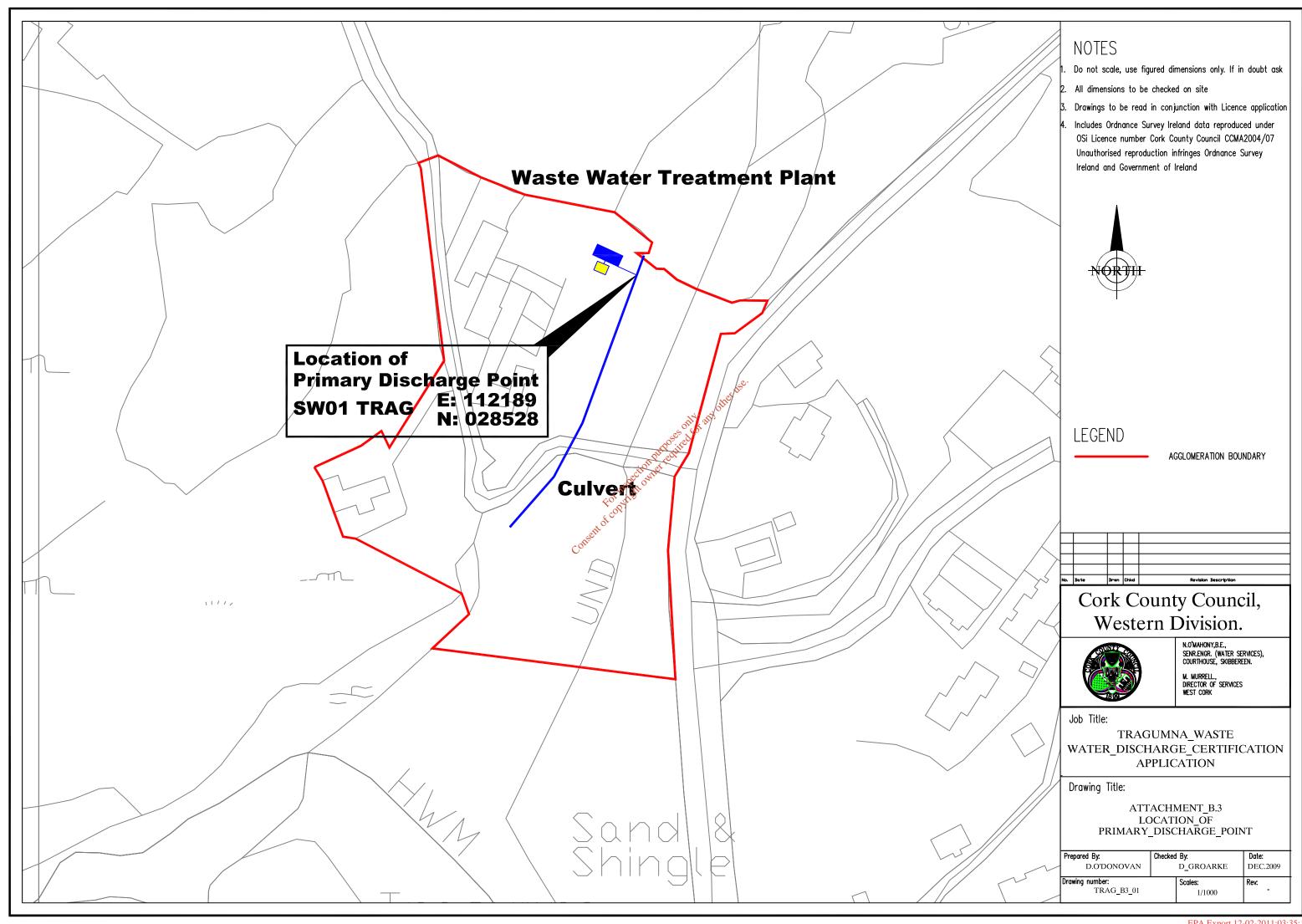


Attachment B.3

Attachment B3

<u>Мар :</u>

• TRAG B3-01 – Location of the Primary Discharge Point



SECTION E

Attachment E2

Supporting Information:

• Monitoring Programme

<u> Map :</u>

TRAG E2-01 – Location of Sampling Points

<u>Attachment E.2 – Tragumna Waste Water Discharge Licence Application – Monitoring and Sampling Points</u>

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.

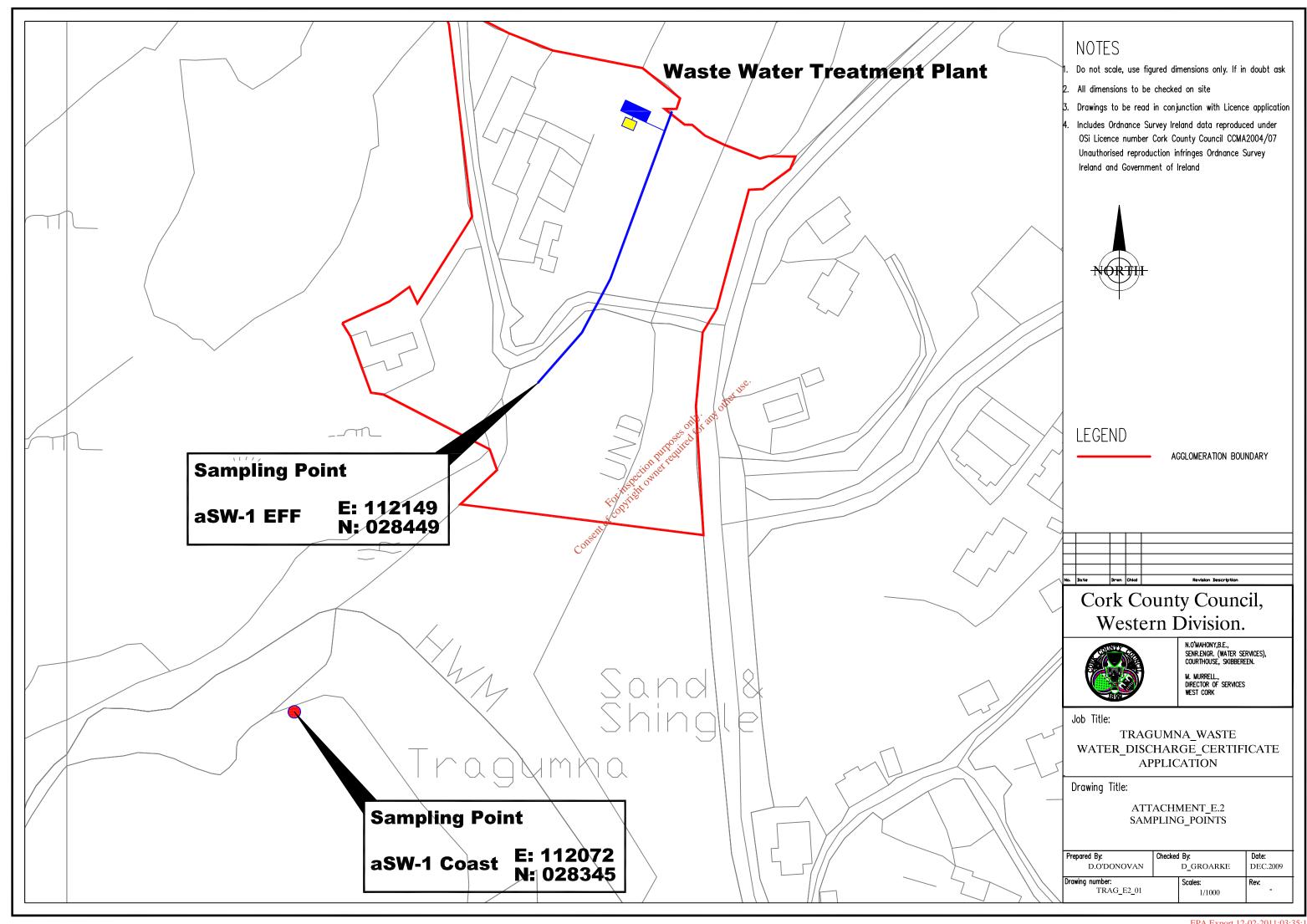
There is no drinking water abstraction point downstream of the discharge point because it is a coastal discharge.

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 primary discharge effluent and receiving waters once a year 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



Attachment E.4

Attachment E4

Supporting Information:

Sampling Data

Attachment E4 Tragumna Table E4					
Sample Date	06/10/2009		06/10/2009		
	Primary Discharge Point				
Sample	Effluent		Coastal d/s Ambient Sample		
Sample Code	GT1227		GT1228		
Flow M ³ /Day					
рН	8.3		8.1		
Temperature °C					
Cond 20°C	29500		47500		
SS mg/L	5		10		
NH ₃ mg/L	0.5*		0.6*		
BOD mg/L	4		<1		
COD mg/L	37		<21		
TN mg/L					
Nitrite mg/L					
Nitrate mg/L					
TP mg/L	0.055		<0.05		
O-PO4-P mg/L	<0.05		<0.05		
SO4 mg/L	saline interference		saline interference		
Phenols µg/L					
Atrazine µg/L	<0.01		, Use.		
Dichloromethane	<1		ather		
Simazine µg/L	<0.01	â	20 20 20 20 20 20 20 20 20 20 20 20 20 2		
Toluene μg/L	<0.28	رن د چې			
Tributyltin µg/L	not required	ut Poi iter	not required		
Xylenes μg/L	<0.73	on Price			
Arsenic µg/L	1.1	Decite Wile.			
Chromium ug/L	<20	the little	<20		
Copper ug/L	<20	Altr	<20		
Cyanide µg/L	<5 consent of the con				
Fluoride μg/L	Esetti.				
Lead ug/L	<20 COM		<20		
Nickel ug/L	<20		<20		
Zinc ug/L	<20		<20		
Boron ug/L	<20		2371		
Cadmium ug/L	<20		<20		
Mercury µg/L	<0.03				
Selenium µg/L	32.8*				
Barium ug/L	<20		<20		

^{*}saline interference

Agglomeration details

Leading Local Authority	Cork County Council
Co-Applicants	
Agglomeration	Tragumna
Population Equivalent	11
Level of Treatment	Secondary
Treatment plant address	Drishanemore, Tragumna, Skibbereen, Co. Cork
Grid Ref (12 digits, 6E, 6N)	112180 / 028535
EPA Reference No:	

Contact details

Contact Name:	Niall O'Mahony
Contact Address:	Water Services West Cork County Councilled Courthouse Skibbereen Co. Cork
Contact Number:	028-21299
Contact Fax:	028-24995
Contact Email:	niall omahony@corkcoco.ie

Consent

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

Discharge Point Code: GW-1

Local Authority Ref No:	SW01 TRAG		
Source of Emission:	Primary Discharge		
Location:	Drishanemore		
Grid Ref (12 digits, 6E, 6N)	112189 / 028528		
Name of Receiving waters:	Tragumna Bay		
Water Body:	Ground Water Body		
River Basin District	South Western RBD		
Designation of Receiving Waters:	SAC		
Flow Rate in Receiving Waters:	0 m³.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)	Receiving waters flow rates zero as discharge is to coastal waters		

Emission Details:

Emission Details.			ruse.		
(i) Volume emitted			other		
Normal/day	2.475 m ³	Maximum/dayon of all all all all all all all all all al	7.43 m³		
Maximum rate/hour	0.31 m³	Period of emission (avg)	60 min/hr	24 hr/day	365 day/yr
Dry Weather Flow	0.0001 m³/sec	ection let			
	Consen	For install to			

WWD Licence Application - Tragumna - Page: 2

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

Discharge Point Code: GW-1

Substance	As discharged				
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day	
рН	рН	Grab	= 9		
Temperature	°C	Grab	= 0		
Electrical Conductivity (@ 25°C)	μS/cm	Grab	= 0		
Suspended Solids	mg/l	Grab	= 35	0.087	
Ammonia (as N)	mg/l	Grab	= 0	0	
Biochemical Oxygen Demand	mg/l	Grab	= 25	0.062	
Chemical Oxygen Demand	mg/l	Grab	= 125	0.31	
Total Nitrogen (as N)	mg/l	Grab	= 35	0.09	
Nitrite (as N)	mg/l	Grab	= 0	0	
Nitrate (as N)	mg/l	Grab	= 0	0	
Total Phosphorous (as P)	mg/l	Grab	= 8	0.02	
OrthoPhosphate (as P)	mg/l	Grab	= 6	0.015	
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. on the standard Method 6240, or equivalent.

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

Discharge Point Code: GW-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 or all	= 0	0		
Barium	μg/l	Grab Grab Grab Grab Grab Grab Grab Grab	= 0	0		

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

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 (m³/annum)
GW-1	365	903.375



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

Identification Code for Discharge point	Frequency of discharge (days/annum)		Complies with Definition of Storm Water Overflow
Politic	(dayorannann)	Disonargea (in /annani)	Trator Otornon



TABLE F.1(i)(a): SURFACE/GROUND WATER MONITORING

Primary Discharge Point

Discharge Point Code:	GW-1
MONITORING POINT CODE:	aGW-1a
Grid Ref (12 digits, 6E, 6N)	112072 / 028345

Parameter	Results (mg/l)		Sampling method	Limit of Quantitation	Analysis method / technique		
	01/01/09	06/10/09					
рН		= 8.1			Grab	2	Electrochemic al
Temperature	= 0				Grab	0.5	Electrochemic al
Electrical Conductivity (@ 25°C)		= 47500			Grab	0.5	Electrochemic al
Suspended Solids		= 10			Grab	0.5	Gravimetric
Ammonia (as N)		= 0.6			Grab	0.02	Colorimetric
Biochemical Oxygen Demand		< 1			Grab	0.06	Electrochemic al
Chemical Oxygen Demand		< 21		, USE.	Grab	8	Digestion & Colorimetric
Dissolved Oxygen	= 0			atheric	Grab	0.2	ISE
Hardness (as CaCO₃)	= 0			1. 4	Grab	1	titrimetric
Total Nitrogen (as N)		= 0	Specific and trained	Kot say	Grab	0.5	Digestion & Colorimetric
Nitrite (as N)		< 0.1	aurpenine		Grab	0.1	Colorimetric
Nitrate (as N)		< 0.5	ion of real		Grab	0.5	Colorimetric
Total Phosphorous (as P)		< 0.05	Petion Purposeriedine		Grab	0.2	Digestion & Colorimetric
OrthoPhosphate (as P)		< 0.05	(1) o	·	Grab	0.02	Colorimetric
Sulphate (SO ₄)		= 0	•		Grab	30	Turbidimetric
Phenols (Sum)	= 0	centor			Grab	0.1	GC-MS2

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

Additional Comments:	default of 01/01/09 and 0 where no results are available, saline interference in ammonia ,sulphate,TN test

TABLE F.1(i)(b): SURFACE/GROUND WATER MONITORING (Dangerous Substances)

Primary Discharge Point

Discharge Point Code:	GW-1
MONITORING POINT CODE:	aGW-1a
Grid Ref (12 digits, 6E, 6N)	112072 / 028345

Parameter		Results (μg/l)		Sampling method	Limit of Quantitation	Analysis method / technique	
	01/01/09	06/10/09					
Atrazine	= 0				Grab	0.96	HPLC
Dichloromethane	= 0				Grab	1	GC-MS1
Simazine	= 0				Grab	0.01	HPLC
Toluene	= 0				Grab	0.02	GC-MS1
Tributyltin	= 0				Grab	0.02	GC-MS1
Xylenes	= 0				Grab	1	GC-MS1
Arsenic	= 0				Grab	0.96	ICP-MS
Chromium		= 20			Grab	20	ICP-OES
Copper		= 20			Grab	20	ICP-OES
Cyanide	= 0			, se.	Grab	5	Colorimetric
Flouride		= 0		ner	Grab	100	ISE
Lead		= 20		1. Volte	Grab	20	ICP-OES
Nickel		= 20	ó	id and other tra	Grab	20	ICP-OES
Zinc		= 20	Gen of	, Ko	Grab	20	ICP-OES
Boron		= 2371	alifeditio		Grab	20	ICP-OES
Cadmium		= 20	Reiton Buttoning		Grab	20	ICP-OES
Mercury	= 0		Dect Wile		Grab	0.2	ICP-MS
Selenium	= 0		15 oly		Grab	0.74	ICP-MS
Barium		= 20			Grab	20	ICP-OES

	TBT value is 0.02ug/l as sin default of 01/01/09 and 0 where no results are available ,saline interference in ammonia and sulphate test	

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.

Regula	tion 16(1) 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,		No
(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,		No
(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,		No
(d)	state the population equivalent of the agglomeration to which the application relates,		No
(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,		No
(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.	g.	No
(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,		No
(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,		No
(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,		No
(j)	give particulars of the nearest downstream drinking water abstraction point or points to the discharge point or points,		No
(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,		No
(I)	give detail of compliance with relevant monitoring requirements and treatment standards contained in any applicable Council Directives of Regulations,		No
(m)	give details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such work.		No
(n)	Any other information as may be stipulated by the Agency.		No
Withou	tion 16(3) t prejudice to Regulation 16 (1) and (2), an application for a licence shall be panied by -	Attachment Number	Checked by Applicant
(a)	a copy of the notice of intention to make an application given pursuant to Regulation 9,	Not applicable	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 -	В	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	B3	Yes
(c) (ii)	the point or points at which monitoring and sampling are undertaken or are to be undertaken,	E3	Yes
(d)	such fee as is appropriate having regard to the provisions of Regulations 38 and 39.		Yes

WWD Licence Application Annex II

An origi docume	ion 16(4) nal application shall be accompanied by 2 copies of it and of all accompanying nts and particulars as required under Regulation 16(3) in hardcopy or in an electronic 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 agancy.		Yes
For the associa	ion 16(5) purpose of paragraph (4), all or part of the 2 copies of the said application and ted documents and particulars may, with the agreement of the Agency, be submitted in ronic 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
subject to 2001, respect stateme	ion 17 a treatment plant associated with the relevant waste water works is or has been to the European Communities (Environmental Impact Assessment) Regulations 1989, in addition to compliance with the requirements of Regulation 16, an application in of the relevant discharge shall be accompanied by a copy of an environmental impact and approval in accordance with the Act of 2000 in respect of the said development by be submitted in an electronic or other format specified by the Agency	Attachment Number	Checked by Applicant
3	2 CD versions of EIS, as PDF files, provided.	Not applicable	Yes
1	EIA provided if applicable	Not applicable	Yes
2	2 hardcopies of EIS provided if applicable.	Not applicable	Yes
Regulat In the ca applicat	ion 24 ase of an application for a waste water discharge certificate of authorisation, the ion 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	B1 2·	Yes
(b)	give the name of the water services authority in whose functional area the relevanted 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 discharge point or points to which the application relates,	B2	Yes
(d)	state the population equivalent of the agglomeration to which the application relates,	B8	Yes
(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,	C,D	Yes
(f)	specify the content and extent of the waste water discharge, the level of treatment provided and the flow and type of discharge,	F.1	Yes
(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,	E.2, E.3	Yes
(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,	E.4	Yes
(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,	G.3	Yes
(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,	F.2	Yes
(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,	F.1	Yes
(I)	give details of any designation under any Council Directive or Regulations that apply in relation to the receiving waters,	E.1, E.4	Yes
(m)	give details of compliance with any applicable monitoring requirements and treatment standards,	G.1	Yes
(n)	give details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such work,	Not applicable	Yes
(o)	give any other information as may be stipulated by the Agency, and	Not applicable	Yes
(p)	be accompanied by such fee as is appropriate having regard to the provisions of Regulations 38 and 39.		Yes