

CORK COUNTY COUNCIL WESTERN DIVISION WATER SERVICES

Courthouse, Skibbereen, Co. Cork

APPLICATION FOR WASTE

WATER DISCHARGE CERTIFICATE

CROOKHAVEN, CO. CORK.

Application Form 22nd December 2009



CORK COUNTY COUNCIL WESTERN DIVISION WATER SERVICES

Courthouse, Skibbereen, Co. Cork

Re: Waste Water Discharge Licence Application for the Agglomeration of Crookhaven

Dear Sir/Madam,

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

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.

Niall O'Mahony, Senior Engineer.

WASTE Application Form

Comhairle Contae Chorcaí Tel No. (021) 453/2700 + Bo No. (021) 453/2727 Cork County Council

Environmental Directorate, Inniscares, Co. Cork. Webs we manufactured in An Stittethóireacht Comhshaoil, Inis Cars, Co. Corcaigh. Péte (021) 4532700 a Paiss (021) 4532727 Sutamb Gréndjej warsonderwade



Mr. Frank Clinton, Program Manager, Office of Climate, Licensing & Resource Use, Environment Protection Agency, Headquarters, PG 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 22 no December next.

I note that the fees payable in respect of these applications amount to 6245,000 and refer you to our letter of 7^h November 2008 (sent by Tedo). Yeary, Senior Executive Officer) seeking a rebate/reduction, as is provided for under Act 38 (3) of the regulations. I note that since that letter the council has paid a further \$370,000 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, Louist advise that we are not submitting payment in respect of these applications as we anticipate the rebate due to the council exceeds the fecs 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	Date	Amendment since	Reason
No.		previous version	
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 frogramme
		Update references to hew legislation	To reflect changes in legislation
		Update references to new legislation Inclusion the requirement of submit information on with the way within the agglomeration.	To obtain an overview of all discharges within the agglomeration.



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

CONTENTS

		Page
ABOUT THIS A	APPLICATION FORM	7
PROCEDURES		8
SECTION A:	NON-TECHNICAL SUMMARY	10
SECTION B:	GENERAL OHRETUSE.	13
SECTION C:	INFRASTRUCTURE & OPERATION	20
SECTION D:	DISCHARGES TO THE ACCUATIC ENVIRONMENT MONITORING INTERCEPTION OF THE PROPERTY OF THE PROPERT	22
SECTION E:	MONITORING HEAD OF THE PROPERTY OF THE PROPERT	24
SECTION F: DISCHARGE(S	EXISTING ENVIRONMENT & IMPACT OF THE	26
SECTION G:	PROGRAMMES OF IMPROVEMENTS	29
SECTION H:	DECLARATION	33
SECTION I:	JOINT DECLARATION	34



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 <u>must</u> 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 following Checklist provided in the web based http://78.137.160.73/epa wwd licensing/\$\sqrt{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 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 guidelines 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.

Page 9 of 34

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, wher0e 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 Nº A.1

The Wastewater Works and Activities Carried Out Therein

Introduction

Crookhaven is a small village situated five miles from the Mizen Head, Irelands most southerly point. The village lies on the sheltered side of a narrow neck of land, which creates a deep inlet - the 'crooked haven' that gave the village its name. The village benefits from this beautiful natural harbour and is a popular sailing and holiday resort.

Crookhaven is situated within the defined Scenic and Coastal Area and designated as an Area of Geological Interest for its former mines.

The village has a church, post office/shop, pub and restaurants.

Existing Situation

Existing Waste Water Treatment Plant

Crookhaven village is served by a sewer collection network, which falls under gravity to a septic tank located on the shoreline. The sewer has two branches. One serves the main road into the village from the church to the pier. The second serves the village houses immediately behind the main street to the south, joining the mainline where an overflow manhole is constructed.

It has twin chambers each $6.1 \text{m} \times 2.1 \text{m} \times 0.9 \text{m}$ to 1.5 m deep. Each chamber is fitted with a sludge plug to enable it to be scoured by water pressure as required.

The effluent discharges via a 150mm cast iron pipe to the ocean. The volume of the tank is approximately 31m^3 with a design capacity of (31,000-2000)180 = 160PE There is one storm overflow manhole located in the village adjacent to the crossroads near the quay. This manhole has a 225mm concrete overflow pipe discharging to a culvert, which in turn discharges to coastal waters.

Sources of Emissions from the Waste Water Works

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

- Domestic Population
- Commercial Sector

The sources of emissions from this agglomeration are mainly domestic with commercial activities ranging from pubs, restaurants and a grocery store.

The existing peak summer PE is currently estimated at 275 with a consequent dry weather flow (DWF) of 60.5m³ per day however the winter PE is significantly less at 30 PE.

For the purposes of this application the relevant peak PE chosen for the licence period is 400 being the peak PE estimated at end of that period.

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 Winter population of Crookhayen is 30. Sewage is currently treated via a septic tank and thus 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 Crookhayen is considered mainly residential and the amount of industrial / commercial premises in the village are small, therefore, the following are the inflow characteristics assumed: Suspended Solids 500mg/I, BOD 300mg/I.

Based on a peak summer population equivalent of 275 and a discharge volume of 60gBOD/person/day the total BOD reaching the treatment plant is estimated at 16.5kg/day BOD in the peak summer and 1.8kg/day in the winter.

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 peak BOD discharge to the bay of 11.6kg/day.

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

During the peak summer period the design capacity of the septic tank can be exceeded. Regular desludging of the tank is carried out to ensure proper operation. We will be seeking funding during the licence period to increase the capacity of the septic tank to cater for the summer peak.

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

Regular desludging of the tank is carried out to ensure proper operation. 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 regularly desludged thereby ensuring that no significant pollution is caused.

Measures planned to monitor emissions into the environment

The emissions from the existing septic tank can be monitored through the sampling point SW01 CROO (see Map CROO B3.01 for location). Samples were taken from the septic tank, results of which are attached to this application. consent of copyright owner required for any of It is proposed to sample the influent and effluent from treatment plant and receiving waters once a year in the future for the following parameters:

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

Page 12 of 34

SECTION B: GENERAL

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

B.1 Agglomeration Details

Name of Agglomeration: Crookhaven

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 85' 85'
	Skibbereen
	Co. Cork Notifed
Tel:	028-21299
Fax:	028-21995 <u>cittat</u>
e-mail:	niall.omahony@corkcoco.ie

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

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

Name*:	Mr. Niall O'Mahony, S.E.
Address:	Water Services, Western Division,
	Cork County Council,
	The 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*:	Not Applicable
Address:	
Tel:	
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 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*:	Billy Horgan, A/S.E.E.	
Address:	Cork County Council	%.
	Crookhaven	of 118
	Co. Cork	, offe
Grid ref	080312E, 025472N	ally, any
(6E, 6N)		es Alor
Level of	Primary	itt ⁰ iite
Treatment		at the red

^{*}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 (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 to	Coastal Water
Type of Discharge	150mm cast iron pipe to the ocean
Unique Point Code	SW01 CROO
Location	Crookhaven
Grid ref (6E, 6N)	080320E, 025480N

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.5.1, D.2, E.3 and F.2.

Attachment included	Oses of For	Yes	No
	an purperilite	✓	

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 suidance Note for information on Secondary discharge points.

There are no secondary discharge points on this scheme

Discharge	Surface Water or Groundwater
to	
Type of	E.g. Diffuser, Lunar Valve, Non-return flap valve, Point source, via
Discharge	Percolation area, via Soakaways etc.
Unique	
Point Code	
Location	
Grid ref	
(6E, 6N)	

^{*}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
		\checkmark

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	Open Culvert
Discharge	
Unique	SW02 CROO
Point Code	
Location	Crookhaven
Grid ref	080152E, 025372N
(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	ction of ree	Yes	No
	Fitts att own	✓	

B.6 Planning Authority

Give the name of the planting 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
Tel:	028-40340
Fax:	028-21660
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*	✓

^{*} pre Part 8 Planning legislation.

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
	ally, any all	✓

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.

	1 31
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.

Existing

Population Equivalent	275
Data Compiled (Year)	2006
Method	House Count

Proposed

Population Equivalent	400
Data Compiled (Year)	2009
Method House Count,	
	Planning + Future
	Zoning

For the purposes of this application the relevant PE chosen for the licence period is 400 being the peak PE estimated at end of that period.

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.

A recent search of Cork County Council planning database indicated that there are no major developments planned for Crookhaven. No houses are pending construction.

B.8 (iii) FEES

State the relevant Class of waste water discharge as per Regulation 5, and the appropriate fee as per Columns 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 €)
Agglomeration <500 pe	3,000

Appropriate Fee Included	Yes	No
		√ *

*See covering letter attached to entire certification applications from **Cork County Council**

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.

We will be seeking funding during the licence period to increase the capacity of the septic tank to cater for the summer peak.

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

Attachment included	Yes	No
		✓

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
	otherit	√

B.11 Foreshore Act Licences.

Provide a copy of the most recent dependent of the control of the discharges from the waste water works issued under the Foreshore Act 1933.

A copy of the Foreshore Licence is attached.

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

Attachment included	Yes	No
	✓	

SECTION C: INFRASTRUCTURE & OPERATION

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

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.

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

• Number of duty:

- 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 present treatment system in Crookhaven is a primary treatment plant (septic tank) located on the shoreline as indicated on Drawing No. CROO B2.01

Crookhaven is served by a sewer collection network, which falls under gravity to a septic tank located on the shoreline. The sewer has two branches. One serves the main road into the village from the church to the pier. The second serves the village houses immediately behind the main street to the south, joining the main line where an overflow manhole is constructed.

The septic tank is located to the north east of the village. It has twin chambers each 6.1m x 2.1m x 0.9m to 1.5m deep. Each chamber is fitted with a sludge plug to enable it to be scoured by water pressure as required. The volume of the tank is approximately 31m^3 with a design capacity of (31,000-2000)180 = 160PE. Treated effluent from the septic tank outfalls to Crookhaven coastal waters via a 150mm cast iron outfall pipe.

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%.

(Please refer to Drg. No. CROO-C1-01 for details of WwTP.)

Stormwater Overflows

There is one storm overflow manhole located in the village adjacent to the crossroads near the quay.

This manhole has a 225mm concrete overflow pipe discharging to a culvert, which in turn discharges to coastal waters.

Table C.1.1.

Type of	Unique Point	Receiving Water	Receiving Water	Grid Reference
Discharge	Code	Body Type	Body Name	
Culvert	SW02 CROO	Coastal	Crookhaven	E:080152
				N:025372

Pump Station

There are no pump stations in the Crookhaven Agglomeration.

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 selevant 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 section 8.1, B.2, B.3, B.4, B.5, D.2, E.3 and F.2.

Attachment included	Yes	No
Colle		✓

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

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

Supporting information should form Attachment D.1(i)

Attachment included	Yes	No
	√	

Find details of all discharges of wastewater from the agglomeration in the attached tables.

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.

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_NAM E	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 CROO	Primary	Cork County Council	Coastal	Crook Haven	SAC, pNHA but not directly affected	080320E	025480N
SW02 CROO	Storm water Overflow	Cork County Council	Coastal	Crook Haven	SAC, pNHA but not directly affected	080152E	025372N

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

SECTION E: MONITORING

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

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

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

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

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

E.2. Monitoring and Sampling Points

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

Reference should be made to, provision sampling points and safe means of access, sampling methods, analytical and quality control procedures, including equipment calibration, equipments 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
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
PT_CD	PT_TYPE	MON_TYPE	EASTING	NORTHING	VERIFIED
aSW-1	Primary	S	080498	026048	N
SW-01	Primary Discharge	S	080312	025474	N

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

E.4 Sampling Data

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

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

Attachment E.4 should contain any supporting information.

Attachment included	Yes	No
	✓	

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

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

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

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

F.1. Impact on Receiving Surface water or Groundwater

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

Not Applicable

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 South Western River Basin District status data is "Unassigned" with an objective to "Restore" for Roaring Water Bay. On a risk assessment basis the SWRBD classify Roaring Water Bay as "not at significant risk".

o Provide a statement as to whether or not emissions of main polluting substances (as defined in the *Dangerous Substances Regulations S.I. No. 12 of 2001*) to water are likely to impair the environment.

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 touristic with little industrial contribution it can be assumed that the presence of these substances is negligible. The main parameters, which impact the receiving environment, are limited to BOD, suspended solids and bacteria.

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 contorm, salmonella and protozoan pathogen numbers, e.g., Cryptosportum and Giardia, in the receiving water environment.

No water abstraction points exists downstream of the discharge location.

- o Indicate whether or notogical significant 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 (untitche 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
- 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)

Crookhaven lies in a location adjacent to the Barleycove to Ballyrisode Point candidate Special Area of Conservation. The nearest body of water within the Barleycove to Ballyrisode Point candidate Special Area of Conservation lies approximately 0.6 km away from the primary discharge at Lamb's Island and considering the dilutions available should have little impact on the Area.

 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.

No Marine Survey or modelling of discharges was carried out for this agglomeration.

Attachment included	in ited to	Yes	No
	tion purredu		✓

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

Applicants should submit the solowing information for each downstream or downgradient drinking water solvential. 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.

There are no drinking water abstraction points downstream of the discharges from the Crookhaven 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 (2006/113/EC).

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 Crookhaven, 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) entered 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.

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 Crookhaven Harbour and the surrounding Roaringwater Bay as "Unassigned" with an objective of "Restore". Similarly it has designated them 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 collecting system shall before discharge be subject to appropriate treatment in the following cases:
- (a) in respect of discharges to freshwater and estuaries from agglomerations with a population equivalent of less than 2,000;
- (b) in respect of discharges to coastal waters from agglomerations with a population equivalent of less than 10,000."

The septic tank at Crookhaven is appropriate treatment as the discharge is to coastal waters with consequent high dilutions.

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

Roaringwater Bay's western boundary ends at about Castle Point in terms of SAC, or pNHA and thus is not affected by Crookhaven discharge. The Barleycove to Ballyrisode SAC and pNHA lies near Crookhaven but does not directly cover all the harbour.

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 septic tanks under the control of Cork County Council are monitored and maintained by full time Cork County Council personnel and are desludged as required, thus 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.

The nearest designated bathing area is at Barley Cove to the southwest approximately 10km along the coastline from the discharge point. Therefore, the discharge has negligible effect on the quality of bathing water at Barleycove

Shellfish Waters Directive (79/923/EEC)

Crookhaven Harbour is part of Roaring Water Bay, which is listed in the Second Schedule of the "Quality of Shellfish Water Regulation 1994 (S.I. No. 200 of 1994)". Therefore, Crookhaven Harbour has to reach the standard set out in this directive.

(The shellfish areas designated under the Quality of Shellfish Water Regulations is different to that outlined in SWRBD Browser –"That part of inner Roaringwater Bay that lies east of an imaginary line southeast from a point $c.1 \, \mathrm{km}$ east of Coosheen Point on the mainland to the northwest of Castle Island, and from the southeast of Castle Island west to the northwest of Skeam West to Skeam East and on to the westerly point of Cunnamore, north of Coolim and Goose Island, to the high water mark, but not including Ballydehob Bay.")

The following are excerpts from the EC (Quality of Shellfish Waters) Regulations 2006 Regulation 6 Action Programme Roaringwater Bay:

- Roaringwater Bay is classified 'B' for mussels in accordance with the European Communities (Live Bivalve Molluscs) (Health Conditions for Production and Placing on the Market) Regulations, 1996 (S.I. No. 147 of 1996).
- Results from sampling over the past 12 months shows that the area is in compliance for parameters 1-9. Organohalogen levels have been below the limit of detection.
- Over the past 2 years 100% of samples taken for the purposes of the Directive recorded levels of faecal conforms of less than 300 fcs per 100ml of flesh. The designated waters are therefore compliant.
- Discharges designated as the having an impact on water quality in designated area

Discharge ref.	Type	Reason for Disco	ounting
Crookhaven WWTP	Septic Tank	Distance	from
	Cor	Designated Area	1

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 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
	్డు.	✓

G.3 Impact Mitigation

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

We will be seeking funding during the licence period to increase the capacity of the septic tank to cater for the summer peak.

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
		\checkmark

G.4 Storm Water Overflows

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

No programme of improvements is planned at present.

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
		\checkmark

SECTION H: DECLARATION

Declaration

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

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

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

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

Signed by:

(an behalf of the organisation)

Print signature name:

Position in organisation:

Position in organisation:

The transfer of the organisation of the orga

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.

<u>Lead Authority</u>	use.
Signed by :	other Date:
(on behalf of the organisation)	Orly and
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:	opsetied for redeficient and the second seco
Position in organisation:	
Co-Applicants	
Signed by :	Date :
Print signature name:	
Position in organisation:	
Signed by :	Date :
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.

TABLES / ATTACHMENTS

Section A - Non Technical Summary

Attachment A1 - CROO A1-01 - Site Location Map of Agglomeration

Section B - General

Attachment B1 - CROO B1-01 - Crookhaven Agglomeration Boundary Map

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

Attachment B3 - CROO B3-01 - Existing Primary Discharge Point

Attachment B5 - CROO B5-01 - Storm Water Overflow Location

Attachment B12 - Foreshore Licence

Section C - Infrastructure & Operation

Attachment C1 - CROO C1-01 - WwTP Site Layout

Attachment C1 - CROO C1-02 - WwTP Plan

Attachment C1 - CROO C1-03 - WwTP Sections

Attachment C1 - CROO C1-04 - Stormwater Overflow Manhole Details

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

Consent of copyright owner required for any other use.

Attachment A1

Map:

• CROO A1.01 - Site Location Map



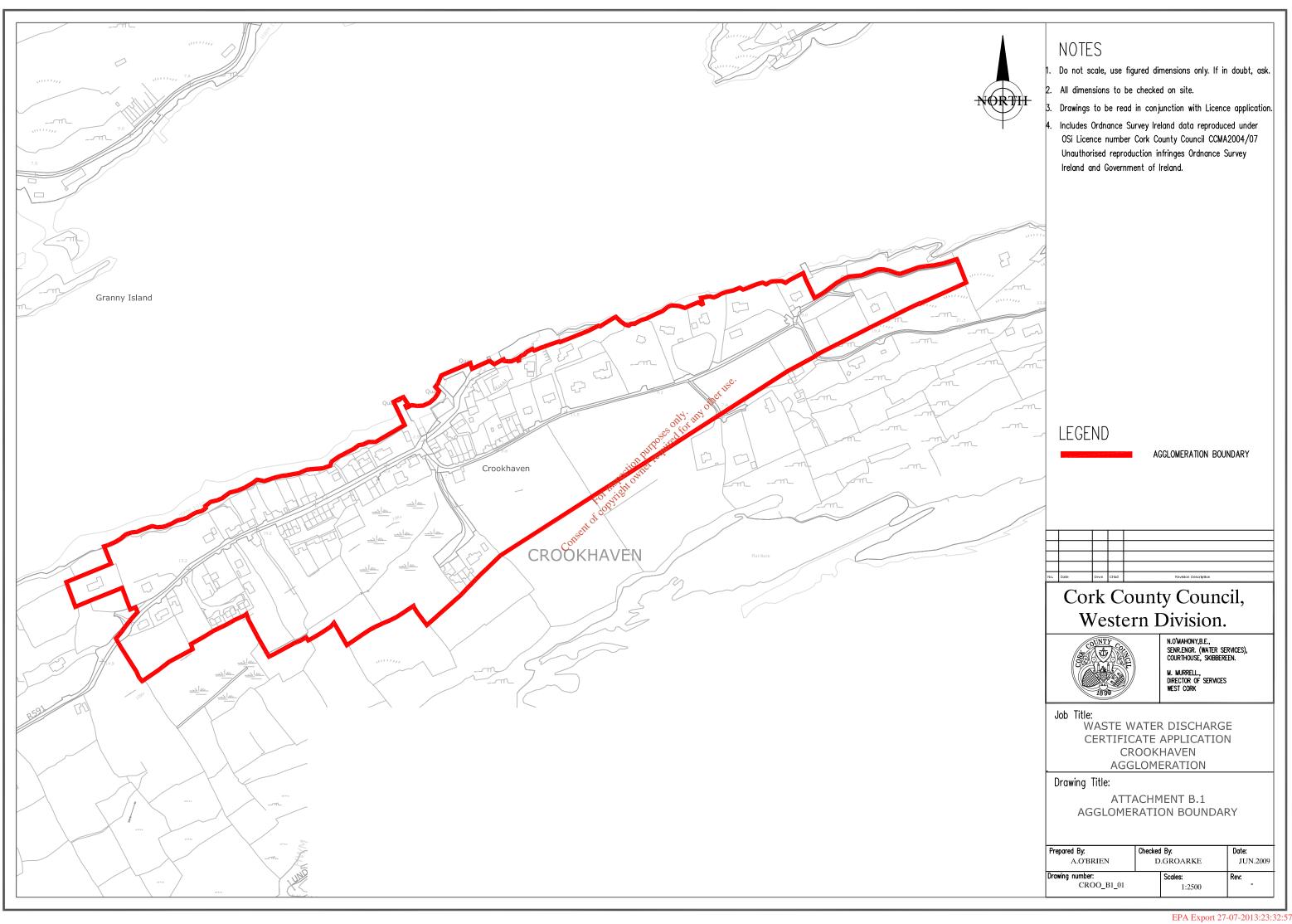
Attachment B.1

Attachment B1

Map:

• CROO B1.01 – CROOKHAVEN Agglomeration Boundary Map





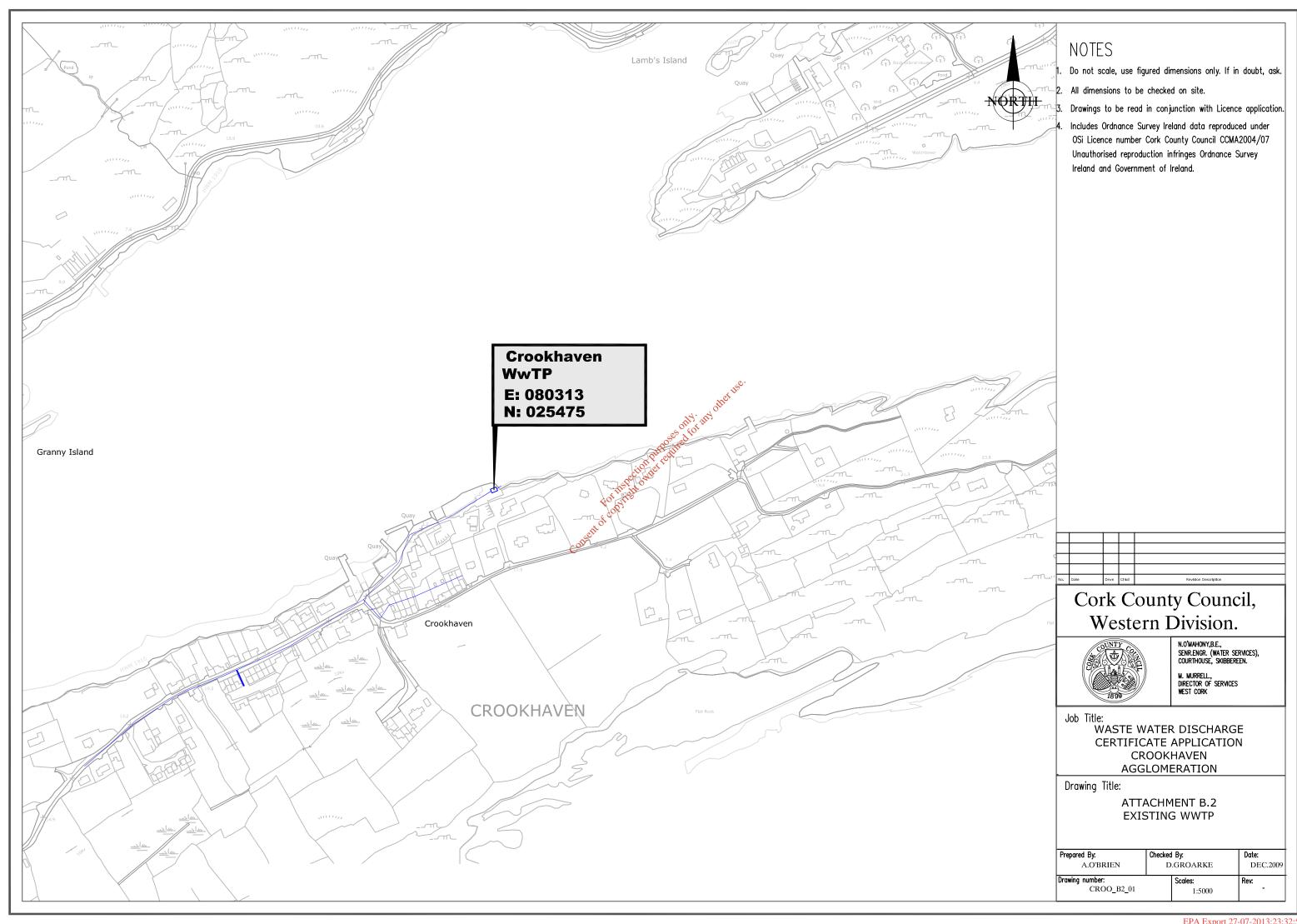
Attachment B.2

Attachment B2

<u>Map:</u>

• **CROO B2.01** - Site Location Map of Existing Wastewater Treatment Plant





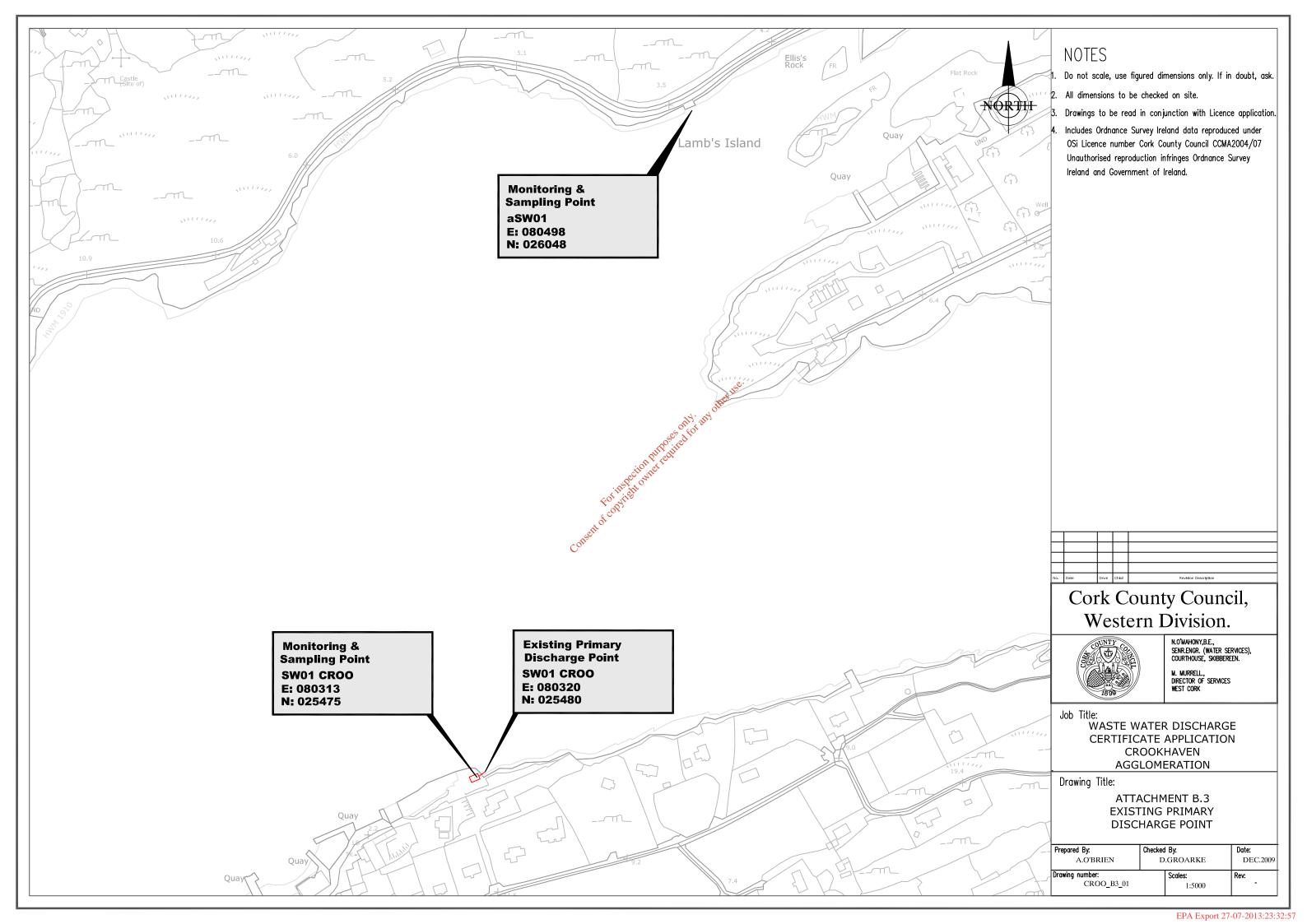
Attachment B.3

Attachment B3

<u> Map :</u>

• **CROO B3.01** – Existing Primary Discharge Point





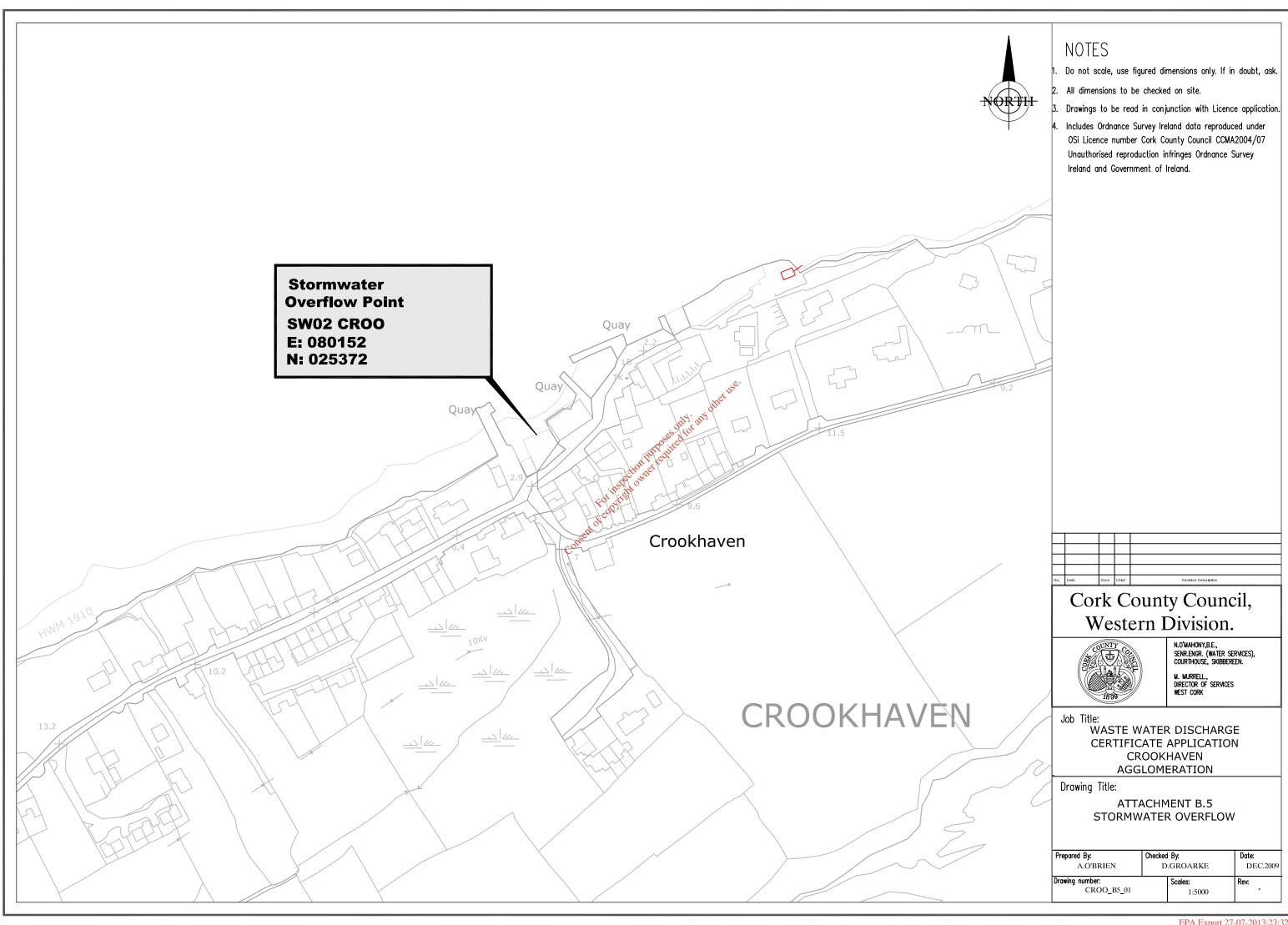
Attachment B.5

Attachment B5

<u> Map :</u>

• **GOLE B5.01** – Stormwater Overflow Locations





Attachment B.11

Attachment B11

• Foreshore Licence – Specific Conditions

Dated the 22-4 day of April. 1968 THE MINISTER FOR TRANSPORT AND POWER CORK COUNTY COUNCIL. LICENCE. 8700. BASIL DOYLE,
FINANCE SOLICITOR,
51, ST.STEPHEN'S GREEN, EAST,
DUBLIN, 2.

HIGH COURT

THE 2nd DAY OF MAY 1968
Awaldion Registran



AGREEMENT) made the Juenty- second day of April. One Thousand

Nine Hundred and Sixty-eight BETWEEN THE MINISTER FOR

TRANSPORT AND POWER (hereinafter called "the Minister") of the One Part and CORK COUNTY COUNCIL (hereinafter called "the Licensees" which expression shall include their successors where the context so admits or requires) of the Other Part WHEREAS the Licensees have applied to the Minister to grant them permission to use and occupy that part of the foreshore at Crookhaven County Cork hereinafter described for the purpose of laying, maintaining and using a sewer and two outfall sewage pipes and for constructing, maintaining and using a septic tank in connection with Crookhaven Sewage 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 Licensees licence to use and occupy that part of the foreshore at Crookhaven County Cork as more particularly delineated and shown in red colour on the map annexed hereto for the purposes aforesaid AND IT IS HEREBY ATREED by and between the Minister and the Licensees as follows that waito say: - -----

- 1. ... This Licence shall remain in force for the term of Ninety-nine Years from the date hereof.
- 2. ... The Licensees shall at all times during the continuance of this Licence keep the said sewer and outfall sewage pipes and septic tank in a good and proper state of repair and in proper condition to the satisfaction of the Minister and so as to ensure that they will not be injurious to navigation, the adjacent lands or the public interest.
- 3. ... The Licensees shall cause the said sewer and outfall sewage pipes to be marked by a sign to the satisfaction of the Minister to indicate the presence of the said sewer and pipes at all stages of the tide.
- 4. ... The Licensees shall indemnify and keep indemnified the Minister and the State against all actions loss claims damages cost expenses and demands arising in any manner whatsoever in connection with the laying user and maintenance of the said sewer and outfall sewage pipes and the construction user and maintenance of the said septic tank or in the exercise of the permission hereby granted.
- 5. ... In the case of the breach non-performance or non-observance by the Licensees of any of the covenants and conditions contained herein the Minister shall have power forthwith to terminate this Licence.
- 6. ... Any Notice to be given to the Licensees in pursuance of this Licence may be transmitted through the Post Office addressed to the Licensee.
- 7. ... This Licence shall be enrolled by the Minister at the Licensees'

/expense

expense in the Central Office of the High Court.

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

not to college, not it to deed plant then and it enceptates are then

and the constitued and to controlled and denote out to page on the are all

"angeness" not be unseined and yet believes so there as wolf after a

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

Signature:

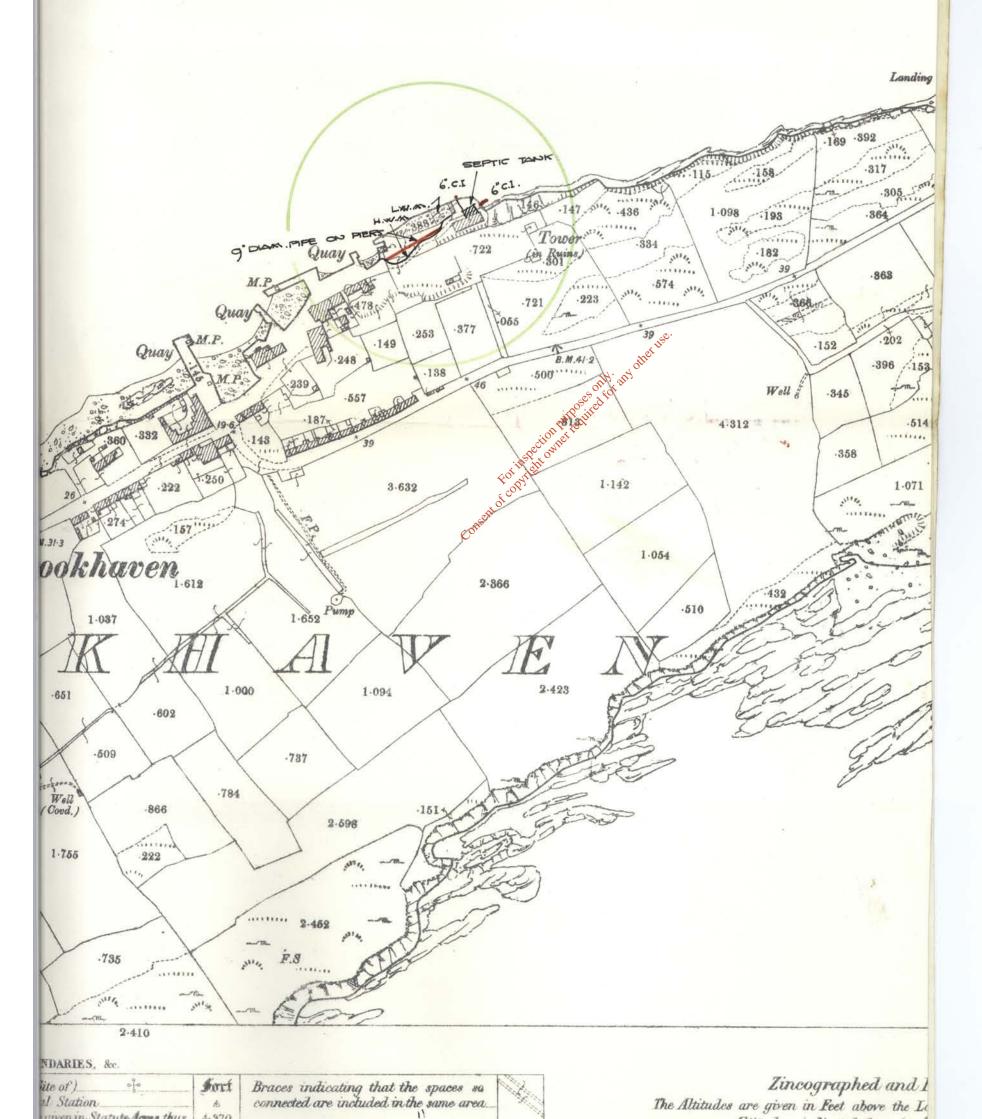
PRESENT when the Corporate Seal of the Licensees was affixed hereto

Chairman or Nominated Member

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

1

R K



given in Statute Acres, thus.

4-370

Altitudes indicated thus (B.M.

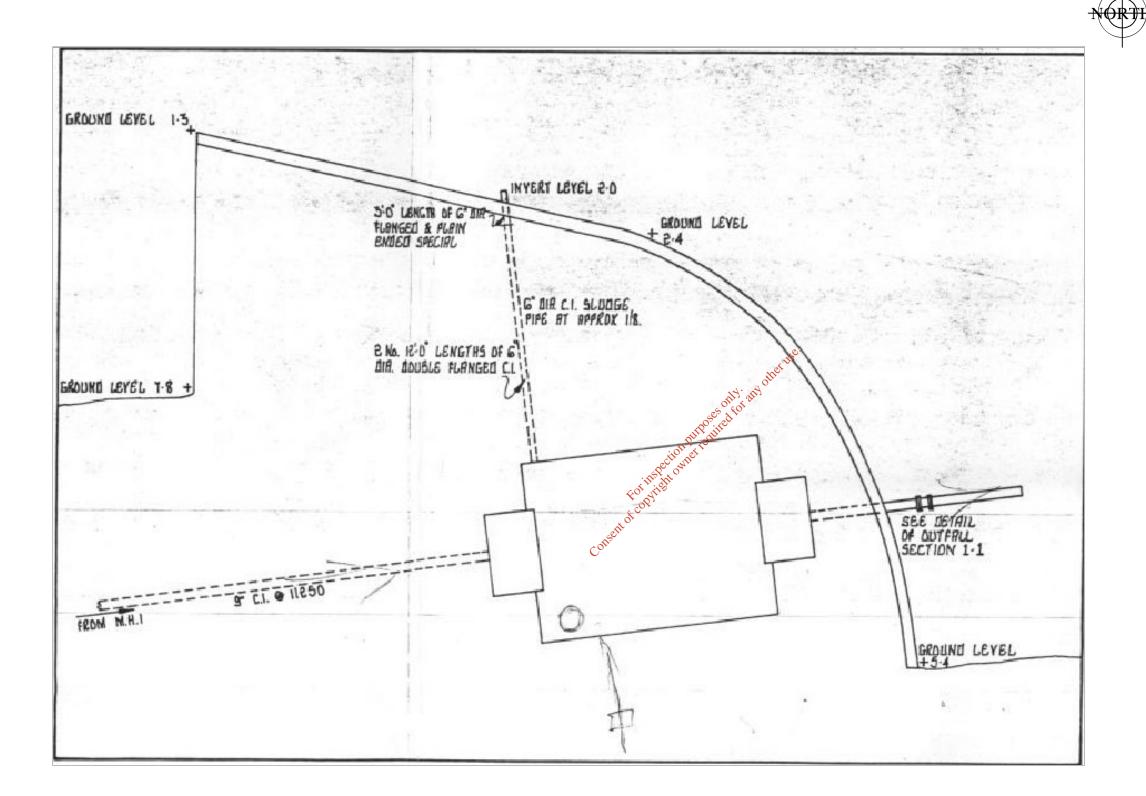
Attachment C.1

Attachment C.1

Drawing:

- Attachment C1 CROO C1-01 WwTP Site Layout
- Attachment C1 CROO C1-02 WwTP Plan
- Attachment C1 CROO C1-03 WwTP Sections
- Attachment C1 CROO C1-04 Stormwater Overflow Manhole Details





SITE PLAN LAYOUT

NOTES

- Do not scale, use figured dimensions only. If in doubt, ask.
- All dimensions to be checked on site.
- Drawings to be read in conjunction with Licence application.
- 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.



Cork County Council, Western Division.



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

M. MURRELL., DIRECTOR OF SERVICES WEST CORK

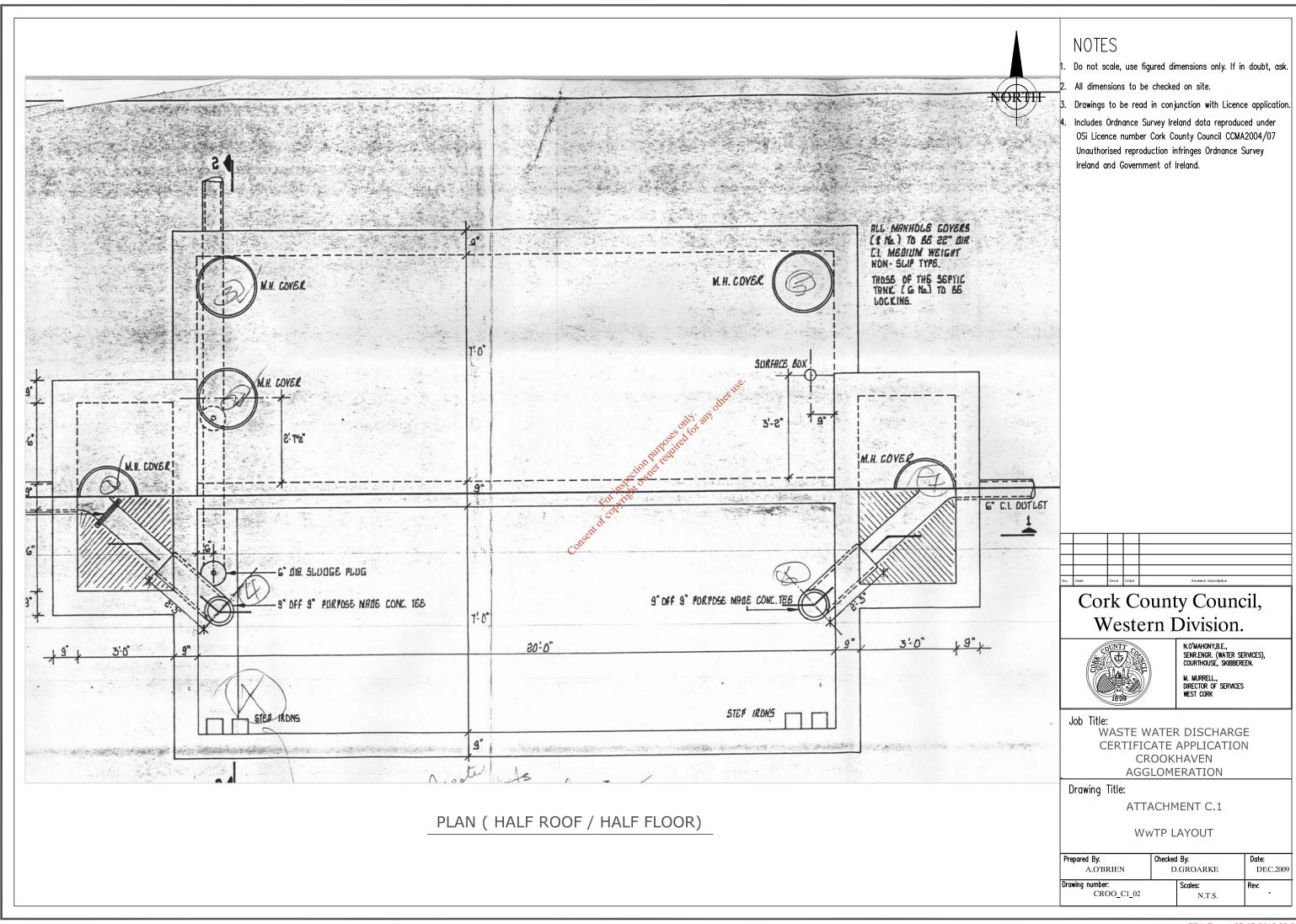
Job Title:
WASTE WATER DISCHARGE CERTIFICATE APPLICATION CROOKHAVEN AGGLOMERATION

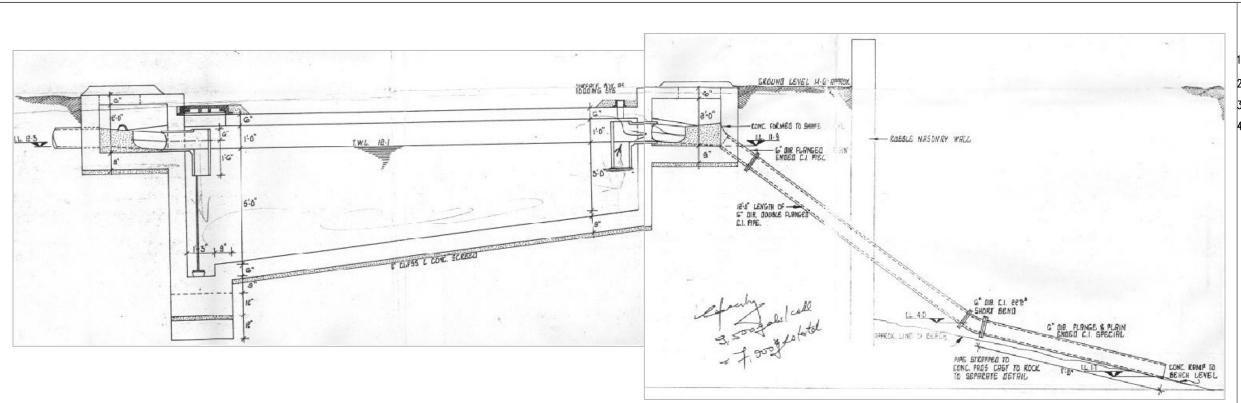
Drawing Title:

ATTACHMENT C.1

WWTP LAYOUT

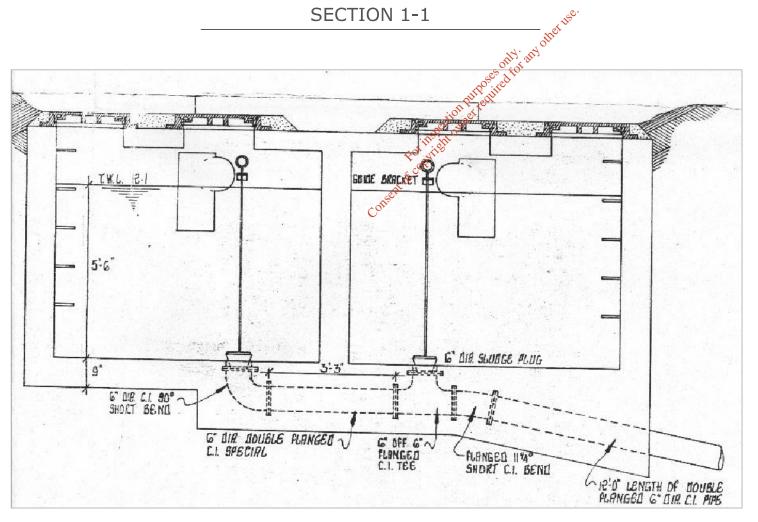
Prepared By:	Checked By:	Date:
A.O'BRIEN	D.GROARKE	DEC.2009
Drawing number: CROO_C1_01	Scales: N.T.S.	Rev:





NOTES

- Do not scale, use figured dimensions only. If in doubt, ask.
- All dimensions to be checked on site.
- Drawings to be read in conjunction with Licence application.
- 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.



SECTION 2-2

Cork County Council, Western Division.



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

M. MURRELL., DIRECTOR OF SERVICES WEST CORK

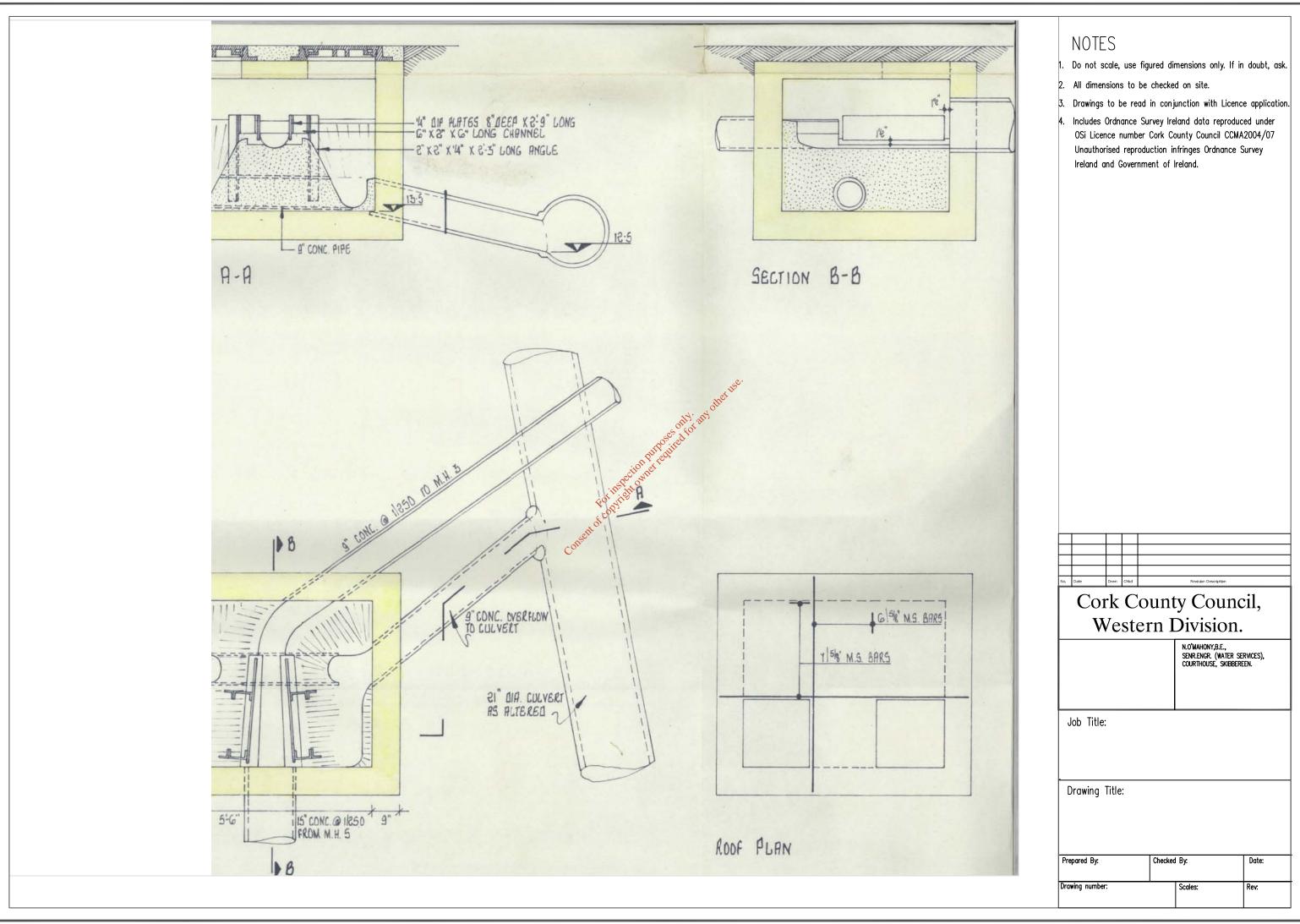
Job Title:
WASTE WATER DISCHARGE CERTIFICATE APPLICATION CROOKHAVEN AGGLOMERATION

Drawing Title:

ATTACHMENT C.1

WWTP LAYOUT

Prepared By:	Checked By:	Date:
A.O'BRIEN	D.GROARKE	DEC.2009
Drawing number:	Scales:	Rev:
CROO_C1_03	N.T.S.	-



Attachment E.2

Attachment E.2

• Sampling Data

Consent of contribution but near teamined for any other use.

Attachment E.2 – Crookhaven Waste Water Discharge Certification **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.

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 office the form 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

Attachment E.4

Attachment E.4

Sampling Data

Consent of contribution but near teamined for any other use.

Attachment E4 Crookhaven Table E4				
Sample Date	13/10/2009		13/10/2009	
Sample	Effluent discharge		ambient downstream	
Sample Code	GT1268		GT1269	
Flow M ³ /Day				
рН	6.5		8.1	
Temperature °C				
Cond 20°C	836		47200	
SS mg/L	80		14	
NH ₃ mg/L	26.0		0.6	
BOD mg/L	305		1	
COD mg/L	624		<21	
TN mg/L				
Nitrite mg/L				
Nitrate mg/L				
TP mg/L			<0.05	
O-PO4-P mg/L			<0.05	
SO4 mg/L	<30		saline interference	
Phenols μg/L				
Atrazine μg/L	<0.01			
Dichloromethane	<1		ું. જુ	
Simazine μg/L	<0.01		and it.	
Toluene μg/L	13.71		of the sext of the	
Tributyltin μg/L			on ar	
Xylenes μg/L	<0.73		~O . xO	
Arsenic μg/L	1.1	্থ	is diff	
Chromium ug/L	<20	ction	<20	
Copper ug/L	50.4	insport of	<20	
Cyanide μg/L	<5	got wide		
Fluoride μg/L		to copying		
Lead ug/L	<20	S. Or	<20	
Nickel ug/L	<20 64.4	۶	<20	
Zinc ug/L	* ** **		<20	
Boron ug/L	55.1		3304	
Cadmium ug/L	<20		<20	
Mercury μg/L				
Selenium μg/L				
Barium ug/L	<20		<20	

Agglomeration details

Leading Local Authority	Cork County Council
Co-Applicants	
Agglomeration	Crookhaven
Population Equivalent	400
Level of Treatment	Primary
Treatment plant address	Cork County Council, Crookhaven, Co. Cork.
Grid Ref (12 digits, 6E, 6N)	080312 / 025472
EPA Reference No:	

Contact details

Contact Name:	Niall O'Mahony
Contact Address:	Water Services West Cork County Council Courthouse Skibbereen Co. Cork
Contact Number:	028-21299
Contact Fax:	028-21995
Contact Email:	niall mahony@corkcoco.ie

WWD Licence Application - Crookhaven - Page: 1

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

Discharge Point Code: SW-1

Local Authority Ref No:	SW01 CROO		
Source of Emission:	Open Pipe		
Location:	Crookhaven		
Grid Ref (12 digits, 6E, 6N)	080320 / 025480		
Name of Receiving waters:	Crook Haven		
Water Body:	Coastal Water Body		
River Basin District	South Western RBD		
Designation of Receiving Waters:	Coastal		
Flow Rate in Receiving Waters:	m³.sec-1 Dry Weather Flow		
	0 m³.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		

Emission Details:

Emission Details:			r USC.		
(i) Volume emitted			other		
Normal/day	88 m³	Maximum/dayong and	264 m³		
Maximum rate/hour	11 m³	Period of emission (avg)	60 min/hr	24 hr/day	365 day/yr
Dry Weather Flow	0.003 m³/sec	action et			
	Cotte	For institution			

WWD Licence Application - Crookhaven - Page: 2

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
рН	рН	Grab	= 9	
Temperature	°C	Grab	= 25	
Electrical Conductivity (@ 25°C)	μS/cm	Grab	= 0	
Suspended Solids	mg/l	Grab	= 250	18.04
Ammonia (as N)	mg/l	Grab	= 0	0
Biochemical Oxygen Demand	mg/l	Grab	= 305	26.84
Chemical Oxygen Demand	mg/l	Grab	= 624	54.91
Total Nitrogen (as N)	mg/l	Grab	= 50	4.4
Nitrite (as N)	mg/l	Grab	= 0	0
Nitrate (as N)	mg/l	Grab	= 0	0
Total Phosphorous (as P)	mg/l	Grab	= 12	1.06
OrthoPhosphate (as P)	mg/l	Grab	= 10	0.88
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 control of the contr

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 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 filtered on 0.45µm filter paper For Phenols: USEPA Method 604, AWWA Standard Method 6240 are quivalent.

WWD Licence Application - Crookhaven - Page: 4

Table D.1(iii)(a): EMISSIONS TO SURFACE/GROUND WATERS (Storm Overflow)

Discharge Point Code: SW-2

Local Authority Ref No:	SW02 CROO		
Source of Emission:	Open Pipe		
Location:	Crookhaven		
Grid Ref (12 digits, 6E, 6N)	080152 / 025372		
Name of Receiving waters:	Crook Haven		
Water Body:	Coastal Water Body		
River Basin District	South Western RBD		
Designation of Receiving Waters:	Coastal		
Flow Rate in Receiving Waters:	0 m³.sec-1 Dry Weather Flow		
	0 m³.sec-1 95% Weather Flow		
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	No information available on stormwater overflows		

Emission Details:

(i) Volume emitted			other use.		
Normal/day	0 m ³	Maximum/dayon Ma	0 m³		
Maximum rate/hour	0 m ³	Period of emission (avg)	0 min/hr	0 hr/day	0 day/yr
Dry Weather Flow	0 m³/sec	action per			
		For its drug.			

WWD Licence Application - Crookhaven - Page: 5

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)
SW-1	365	32120



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
SW-2	0	0	No



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

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1a
Grid Ref (12 digits, 6E, 6N)	080498 / 026048

Parameter	Results (mg/l)				Sampling method	Limit of Quantitation	Analysis method / technique
	01/01/09	13/10/09					
рН		= 8.1			Grab	2	Electrochemic al
Temperature	= 0				Grab	0.5	Electrochemic al
Electrical Conductivity (@ 25°C)		= 47200			Grab	0.5	Electrochemic al
Suspended Solids		= 14			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				Grab	0.2	Electrochemic al
Hardness (as CaCO₃)	= 0		Ó	d all.	Grab	1	Titrimetric
Total Nitrogen (as N)		= 0.6	cital put posso		Grab	0.5	Digestion & Colorimetric
Nitrite (as N)		< 0.1	an prived		Grab	0.1	colorimetric
Nitrate (as N)		< 0.5	ectionie		Grab	0.5	Colorimetric
Total Phosphorous (as P)		< 0.05	ight or		Grab	0.2	Digestion & Colorimetric
OrthoPhosphate (as P)		< 0.05			Grab	0.02	Colorimetric
Sulphate (SO ₄)					Grab	30	Turbidimetric
Phenols (Sum)	= 0	Carear			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 0 and 01/01/09 where results are not available
	saline interference in ammonia ,sulphate and flouride test

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

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1a
Grid Ref (12 digits, 6E, 6N)	080498 / 026048

Parameter		Results (μg/l)				Limit of Quantitation	Analysis method / technique
	01/01/09	13/10/09					
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			, ase.	Grab	5	Colorimetric
Flouride		= 583		net b	Grab	100	ISE
Lead		< 20		4. 40th	Grab	20	ICP-OES
Nickel		< 20	ó	14. atly other trac	Grab	20	ICP-OES
Zinc		< 20	OSES A	NO.	Grab	20	ICP-OES
Boron		= 3304	aliferijie		Grab	20	ICP-OES
Cadmium		< 20	ion griet,		Grab	20	ICP-OES
Mercury	= 0		Decremine		Grab	0.2	ICP-MS
Selenium	= 0		Sector auter rutile		Grab	0.74	ICP-MS
Barium		< 20	300		Grab	20	ICP-OES

TBT value is 0.02ug/l as sn default of 0 and 01/01/09 where results are not available
saline interference in ammonia ,sulphate and flouride 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.

Regulation the c	ion 16(1) ase 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.	ş.	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
Without	ion 16(3) prejudice to Regulation 16 (1) and (2), an application for a licence shall be anied 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	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.		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 led 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 nt and approval in accordance with the Act of 2000 in respect of the said development to 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	B.1 ۵۰	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,	B.2	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,	F2	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,	F1	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