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22/03/2017

**RE: Mogeely Waste Water Discharge Authorisation Application.**

Please find attached the Waste Water Discharge Authorisation Application for Mogeely in accordance with the Waste Water Discharge Authorisation Regulations, 2007 (S.I. No. 684 of 2007), as amended.

I confirm that the content of the electronic files on the accompanying CD-ROM is a true copy of the original application form.

There are 2 hard copies and 2 electronic copies of this application. An electronic copy of the digital drawings is included on the CDROM.

I trust the above is satisfactory,

Yours Sincerely,



**Sheelagh Flanagan**  
Environmental Licensing Specialist



**MOGEELY WASTEWATER TREATMENT  
WORKS**

**WASTEWATER DISCHARGE CERTIFICATE OF  
AUTHORISATION APPLICATION**

**IRISH WATER**

**MARCH 2017**

This is a draft document and is subject to revision.



# Waste Water Discharge Certificate of Authorisation Application Form

**EPA Ref. N<sup>o</sup>:**  
*(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](http://www.epa.ie) Email: [info@epa.ie](mailto: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	<p>Delete reference to Design Build and Operate</p> <p>Delete the requirement to provide contact information for the associated waste water treatment plant</p> <p>Replace references to the Water Services investment Programme with the Small Schemes Programme</p> <p>Update references to new legislation</p> <p>Inclusion of the requirement to submit information on private WWTPs within the agglomeration.</p>	<p>To accurately reflect the information required for the small schemes programme</p> <p>To accurately reflect the information required and the scale of the waste water works</p> <p>To accurately reflect the information required for the small schemes programme</p> <p>To reflect changes in legislation</p> <p>To obtain an overview of all discharges within the agglomeration.</p>
V.3.	14/05/2012	<p>Amended Section B.6 and Section F.1 to take account of the requirements of European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. No. 477 of 2011) in terms of Appropriate Assessment under Article 6(3) of the Habitats Directive (92/43/EEC).</p> <p>Update references to new legislation</p>	<p>To accurately reflect the Habitats Regulations 2011 (S.I. No. 477 of 2011) requirements.</p> <p>To reflect changes in legislation</p>

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

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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, as amended 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](http://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, as amended. 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://epa.corasystems.com/EPA\\_WWD](http://epa.corasystems.com/EPA_WWD).

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, as amended. **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, as amended, 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, as amended.

**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, as amended.**

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

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

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



## SECTION A: NON-TECHNICAL SUMMARY

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

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

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

A description of:

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

Supporting information should form **Attachment N<sup>o</sup> A.1**

This application to the Environmental Protection Agency (the Agency) is prepared in accordance with the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007) for a Certificate of Authorisation for the waste water discharges from the sewage treatment facilities serving the agglomeration of: Mogeely, County Cork.

The Mogeely agglomeration, located in East Cork approx. 2km north of Castlemartyr, consists largely of Mogeely village. The village discharges to Mogeely Wastewater Treatment Plant (WWTP) via a trunk sewer which runs along from the main street in Mogeely Village to the WWTP.

The wastewater network includes two wastewater pumping stations (The Meadows PS & Gleann Fia PS) which serves two residential developments within Mogeely village. These two pumping stations are not under Irish Water control and are being maintained by independent private operators.

The 2017 p.e. for the Mogeely agglomeration is estimated at 299 of which 27 p.e. is non-domestic, while the 2023 PE is estimated at 437.

Mogeely Waste Water Treatment Plant (WWTP), located 800 metres south of Mogeely Village, has a capacity of 1200PE and discharges treated effluent to the Kiltha River. The WWTP is maintained by a private service provider under a temporary Operation and Maintenance Contract.

The existing treatment works includes:

- Inlet Works (screens and sump)
- Stormwater Holding Tank
- Aeration Tank
- Clarifier
- Sand filter
- Sludge Holding Tank
- Picket Fence Thickener
- Outlet Works and Outfall

The WWTP has been operational since October 2008. All flows in excess of 3DWF overflow to a stormwater holding tank and are stored for a two hour period before being returned to the treatment stream when capacity is available in the WWTP. In the event of the stormwater holding tank capacity being exceeded the excess flow is conveyed to the outfall pumps and discharged to the nearby Kiltla River via the primary discharge point.

Based on an analysis of assimilative capacity, the existing WWTP is not expected to have a significant effect on the water quality in the river for current (2017) and future (2023) P.E. projections

On behalf of Irish Water, the Cork County Council Environmental Department located in Inniscarra takes samples from the stream upstream and downstream of the wastewater treatment plant outfall. The Service Provider, responsible for the maintenance of the existing WWTP, also carry out sampling of the effluent to ensure that the plant is operating satisfactorily. The discharge and sampling locations are listed in Table A.1 and A.2 below.

**Table A.1 - Discharge Points:**

	Type	Location	Easting 6E	Northing 6N
SW01MOGE	Primary	WWTP	196000	074644
SW02MOGE	Stormwater Overflow	WWTP	196000	074644

**Table A.2 - Monitoring Points:**

Type of Point	Location	Easting 6E	Northing 6N
Primary Discharge Effluent Sampling (ESW01)	WWTP	196119	074669
Upstream Monitoring Point (aSW01u)	Kiltla River	195950	075159
Downstream Monitoring Point (aSW01d)	Kiltla River	196371	073247

The Effluent from the Primary Discharge Point is to be sampled and analysed biannually for BOD, COD and Suspended Solids, samples will be taken using the existing composite sampler in place. There will not be a proposed ambient monitoring programme.

## SECTION B: GENERAL

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

### B.1 Agglomeration Details

<b>Name of Agglomeration:</b> Mogeely
---------------------------------------

#### Applicant's Details

##### Name and Address for Correspondence

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

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

<b>Name*:</b>	Irish Water
<b>Address:</b>	Colvill House
	24-26 Talbot Street
	Dublin 1
	Ireland
<b>Tel:</b>	01 - 8925000
<b>Fax:</b>	
<b>e-mail:</b>	wastewaterlicensingssouthern@water.ie

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

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

<b>Name*:</b>	Ken Conroy
<b>Address:</b>	Colvill House
	24 -26 Talbot Street
	Dublin 1
<b>Tel:</b>	01 8925000
<b>Fax:</b>	
<b>e-mail:</b>	wastewaterlicensingssouthern@water.ie

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

#### Co-Applicant's Details

<b>Name*:</b>	Not applicable
<b>Address:</b>	
<b>Tel:</b>	
<b>Fax:</b>	
<b>e-mail:</b>	

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

Attachment included	Yes	No
	✓	

### 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.

<b>Name*:</b>	Madeleine Healy
<b>Address:</b>	Killamucky
	Mogeely
	Co. Cork
<b>Grid ref (6E, 6N)</b>	196119E, 074683N
<b>Level of Treatment</b>	Tertiary

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

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

Attachment included	Yes	No
	✓	

### 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.

<b>Discharge to</b>	Surface Water
<b>Type of Discharge</b>	Pipe to River (pumped)
<b>Unique Point Code</b>	SW01MOGE
<b>Location</b>	Kiltha River
<b>Grid ref (6E, 6N)</b>	196000E, 074644N

**Attachment B.3** should contain appropriately scaled drawings / maps ( $\leq A3$ ) of the discharge point, including labelled monitoring and sampling points associated with the discharge point. These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be

provided to the Agency on a separate CD-Rom containing the drawings and tabular data requested in sections B.1, B.2, B.4, B.5, C.1, D.2, E.3 and F.2.

Attachment included	Yes	No
	✓	

#### B.4 Location of Secondary Discharge Point(s)

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

Discharge to	Not applicable
Type of Discharge	
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 ( $\leq A3$ ) of the discharge point(s), including labelled monitoring and sampling points associated with the discharge point(s). These drawings / maps should also be provided as geo-referenced digital drawing files (e.g. ESRI Shapefile, MapInfo Tab, AutoCAD or other upon agreement) in Irish National Grid Projection. This data should be provided to the Agency on a separate CD-Rom containing sections B.1, B.2, B.3, B.5, C.1, D.2, E.3 and F.2.

Attachment included	Yes	No
		✓

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

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

Type of Discharge	Pipe to River (pumped)
Unique Point Code	SW02MOGE
Location	Discharge to Kiltha River , Mogeely, County Cork (combined with SW01MOGE)
Grid ref (6E, 6N)	196000E, 074644N

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

Attachment included	Yes	No
	✓	

## B.6 Planning Authority and/or Public 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.

<b>Name:</b>	Cork County Council
<b>Address:</b>	Planning Department
	County Hall
	Carrigrohane Road
	Cork
<b>Tel:</b>	021 4276891
<b>Fax:</b>	021 4867007
<b>e-mail:</b>	Planninginfo@corkcoco.ie

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

<i>has been obtained</i>	✓*	<i>is being processed</i>	
<i>is not yet applied for</i>		<i>is not required</i>	

\* Local Authority own development - Part VIII was prepared for Mogeely

<b>Local Authority Planning File Reference N<sup>o</sup>:</b>	Part X
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**Attachment B.6** should contain *the most recent* planning permission, including a copy of *all* conditions, a copy of the planning inspector's report 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.*

Where applicable, provide a copy of any screening for Appropriate Assessment report and Natura Impact Statement (NIS) that was prepared for consideration by any planning/public authority as defined in Regulation 2(1) of the European Communities (Birds and Natural Habitats) Regulations 2011 (S.I. No. 477 of 2011) in relation to the waste water works which is the subject of this application. Where a determination that an Appropriate Assessment is required has been made by any planning/public authority in relation to the waste water works, a copy of that determination and any screening report and NIS, and any supplemental information furnished in relation to any such report or statement, which has been provided to the planning/public authority for the purposes of the Appropriate Assessment, shall be included in **Attachment B.6**.

<b>Attachment included</b>	<b>Yes</b>	<b>No</b>
	✓	

## 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.

<b>Within the SFADCo Area</b>	<b>Yes</b>	<b>No</b>
		✓

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.

<b>Name:</b>	Health Service Executive Southern Region
<b>Address:</b>	North Lee Local Health Office
	Floor 2, Abbeycourt House
	George's Quay
<b>Tel:</b>	021 4965511
<b>Fax:</b>	
<b>e-mail:</b>	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.

<b>Population Equivalent</b>	299pe (2017)
<b>Data Compiled (Year)</b>	2017
<b>Method</b>	see below*

\*Irish model-based estimate using CSO 2011 census population data, a 10% non-domestic factor and projected to 2023 using an ESRI growth rate of 0.644%

### **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 development consisting of 42 No. residential units is currently being constructed, and when completed/occupied is expected to add 126 p.e. to the Mogeely Sewerage Scheme. This expected increased p.e. figure was added to the p.e. estimated for the year 2023 using the method discussed in Section B.8(i). Hence the 2023 p.e. determined is 437.

### 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, as amended.

Class of waste water discharge	Fee (in €)
Discharges from agglomerations with a population equivalent of less than 500.	€3,000.00

*It is noted that an application was made previously for a Wastewater Discharge Licence and a fee of 10,000 was paid. The Agency confirmed that a refund of €7,000 was approved and the balance was retained for the Certification of Authorisation Application fee of €3,000.*

Appropriate Fee Included	Yes	No
		✓

### 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.

The current Mogeely Wastewater Treatment Plant was commissioned in 2008, and was designed to cater for flows and loads from the existing and projected population for the Mogeely agglomeration. The treated effluent from the new wastewater treatment plant is compliant with the required water quality standards to date. Hence there are no further upgrade works proposed for this agglomeration under Capital Investment Plan for 2017 – 2021.

**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 to 2011.

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

Attachment included	Yes	No
		✓

*Not applicable – No Section 63 Notices issued for Mogeely WWTP*



**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.

**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
		✓

*Foreshore Licence not applicable to the Mogeely Sewerage Scheme*

## **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.

Mogeely Waste Water Treatment Plant (WWTP) has a capacity of 1200PE and discharges treated effluent to the Kiltha River. The 2017 PE is estimated at 299 of which 27 PE is non-domestic, while the 2023 PE is estimated at 437.

The plant is designed to achieve the following standards:

- BOD - 25mg/l
- COD - 125mg/l
- SS - 35mg/l

The WWTP has been operational since October 2008. All flows in excess of 3DWF overflow to a stormwater holding tank and are stored for a two hour period before being returned to the treatment stream when capacity is available in the WWTP. All flows in excess of 3DWF are conveyed from the storm water holding tank to the outfall pumps and discharged to the nearby Kiltha River via the primary discharge point. The WWTP site plan and flow process diagram is included in Attachment C.1(a) and C.1(b) respectively.

The Phase 1 treatment works includes:

- Inlet Works (screens and sump)
- Stormwater Holding Tank
- Ferric Dosing
- Aeration Tank
- Clarifier & RAS / WAS Pumps
- Tertiary Sand Filter Unit
- Picket Fence Thickener & Sludge Holding Tank
- Outfall Works

This WWTP is currently operated by a private service provider under a temporary Operation and Maintenance Contract. The Service Provider is fully responsible for the provision of all plant, materials including consumables and labour and any licences and permits necessary to ensure that the facility is operated and maintained in accordance with the best practice and any performance requirements stipulated in the Employer's Requirements.

#### Inlet Works

The raw sewage flows through the inlet automatic screen by gravity. The screen starts automatically on a high level as detected by ultrasonic level sensor. Start up of screen will open solenoid valve, and initiate the duty wash pump to wash the screenings. Level sensor provides dry run protection for the wash pumps.

When the cut out level is reached in the inlet channel as detected by ultrasonic level sensor, the screen and wash water pump will run on for a set period and then stop and solenoid valve will close.

Should any failure occur on the automatic screen, the manual bypass rakebar screen may be made operational. An automatic sampler is positioned on the inlet sump to take composite samples of the effluent prior to being treated.

The screened effluent flows into the inlet sump by gravity from the inlet screen. Two submersible variable speed pumps which are controlled by a flowmeter, arranged in duty / standby configuration, pump the sewage to the aeration tank. Low level protection is provided by an ultrasonic level sensor. Each pump is provided with a hand off auto key on its respective starter. In automatic operation, the duty pump is selected by the Programme Logic Controller (PLC) and in the event that the duty pump fails, an alarm is generated and the standby pump shall be started automatically provided both pumps are selected to auto and available for operation. If both of these pumps fail an alarm will be generated.

In hand operation, duty selection is provided by means of a duty selector switch on the HMI, which only allows one pump to operate at any given time. The normal start stop control of the duty pump is provided by means of predetermined cut-in cut-out set points, setup at commissioning.

The inlet sump is fitted with two submersible fixed speed Storm Pumps, arranged in duty / standby configuration. In the event of storm conditions and the level sensor detects a high- level in the Inlet Sump the duty Storm Pump starts and pumps the sewage to the Storm tank. Low-level protection is provided by the ultrasonic level sensor.

Each pump is provided with a hand off auto key on its respective starter. In automatic operation, the duty pump is selected by the PLC and in the event that the duty pump fails, an alarm is generated and the standby pump shall be started automatically provided both pumps are selected to auto and available for operation. If both of these pumps fail an alarm will be generated.

#### Storm Water Holding Tank

The Storm Water Storage Tank provides extra capacity in times of heavy rainfall. A Venturi (Cleaning) pump is controlled by ultrasonic level sensor and cleans the base of the storm tank. When the level in the storm tank reaches a preset level, the ultrasonic sensor sends a signal to the PLC, which starts the Venturi Pump. The Venturi pump sucks in water and atmospheric air, which is discharged into the bottom of the Storm Tank helping to suspend the sewage and clean the base of the tank. When the level in the tank reaches a preset low level the Venturi Pump automatically cuts out.

A flowmeter located on the Storm Water Holding Tank inlet monitors the amount of Storm Water delivered to the Storm Water Holding Tank. A second flowmeter located on the Storm Water Holding Tank emergency overflow monitors the amount of Storm Water delivered to the Outfall Tank.

#### Ferric Dosing

Ferric is dosed to the raw sewage at the inlet to the aeration tank by the 2 No. duty / standby Ferric dosing pumps. The pumps are fixed speed manual stroke control determined by the operation of the Inlet Pumps.

A Level Probe monitors the level of chemical available in the bulk storage tank thus providing dry run protection.

During automatic operation, in the event that the duty pump fails, the standby pump shall be started automatically, provided both pumps are selected to auto and available for operation.

If both these dosing pumps fail an alarm will be generated.

#### Aeration Tank

There are two variable speed Air Blowers arranged in a duty / standby configuration provided. Dissolved oxygen probes constantly monitor the oxygen levels in the Aeration Tank. The speed of the air blowers will be controlled directly by the DO probe in the Aeration Tank. A local / remote switch is fitted to each drive. The remote switch will provide the air blower with a signal which will increase or decrease the speed of the blowers depending on the levels of DO required. With the local switch a potentiometer will be mounted on each blower starter section in the MCC panel to control the blowers operating on manual. Each blower will run at a set minimum speed to ensure proper ventilation of the unit. Each air blower enclosure is fitted with an acoustic hood and acoustic cooling fan respectively.

#### Clarifier & RAS / WAS Pumps

The clarifier has a rotating half-bridge, which turns about an axis. Two VSD driven RAS / WAS arranged in duty / standby configuration pump sludge received from the clarifier back to the aeration tank (RAS) and Picket Fence Thickener (WAS). The duty pump returns sludge continuously to the aeration tank. A flowmeter located on the RAS line monitors the amount of RAS delivered to the Aeration tank.

A flowmeter located on the WAS line monitors the amount of WAS delivered to the Picket Fence Thickener. The RAS / WAS flows will be operator adjustable via the HMI when in automatic operation. Two timers will be provided on HMI to allow the operator to adjust the frequency of the WAS cycles interval and the length of each WAS cycle.

Scum is collected from the top of the clarifiers and is drawn off by a scum box, which returns it by gravity to the inlet sump. The clarified effluent overflows the v-notch weir at the top of the settlement tank and gravitates to the outfall chamber.

#### Tertiary Sand Filter Unit

The plant incorporates tertiary treatment in the form of a sand filter which filters the effluent emanating from the clarifier.

Incoming water is pumped by variable speed controlled forward feed pumps into the inlet shaft and is distributed evenly across the filter bed by v-notch openings along the length of the filter. The inlet shaft is taller than the main filter tank and provides 650mm of available head across the filter bed.

Solids are filtered from the water and the clean water overflows above the filter bed. The sand filters continuously clean themselves while in service. This is done by transferring dirty sand from the base of the filter by an air supply into an open pipe with a series of cones which separate the dirt particles from the sand.

When the forward feed pumps start, the solenoid valve opens to allow air into the filter. Air is supplied to each side of the filter by a duty compressor. When the forward feed pump stops the valve will close.

Picket Fence Thickener & Sludge Holding Tank

From the RAS / WAS pump sump, sludge from the clarifier is pumped to the picket fence thickener. Flow enters the PFT through the top of the diffuser in the tank. The sludge then settles and is thickened in the tank. Water needs to be occasionally drawn off from the top, this is achieved by supernatant draw-off, and liquid overflows a v-notch weir to the supernatant and returns to the inlet sump by gravity. The hopper of the PFT has an outlet at its base linked to a Bauer connection outside the tank; this allows the sludge to be drawn offsite by tanker.

Outfall Works

The treated effluent flows by gravity from the Tertiary Sand Filter Unit into the Outlet Sump, which is fitted with three submersible fixed speed pumps operating in duty / assist / standby configuration. The sump is fitted with an ultrasonic level sensor which controls the operation of the pumps. The duty pump will start when the sewage reaches a predetermined high level in the sump and cut out at a predetermined low level. Should the level in the sump reach a second predetermined high level in the high level the assist pump shall cut in and both pumps will pump until the cut out low level is reached.

Each pump is provided with a hand off auto key on its respective starter. In automatic operation, the duty pump is selected by the PLC and in the event that the duty pump fails, an alarm is generated and the standby pump shall be started automatically provided both pumps are selected to auto and available for operation. If all of these pumps fail an alarm will be generated.

An automatic sampler is also positioned on the inlet to the outlet sump to take composite samples of the effluent prior to being discharged.

A flowmeter located on the outlet line monitors the amount of treated water pumped to the Kiltha River.

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.

SWO Ref Point Code	Location	Compliant with DoEHLG Procedures and Criteria	Plan to decommission or cease SWO?
SW02MOGE	At Mogeely WWTP - allow discharges to the Kiltha River	Yes	None

### C.1.2 Pumping Stations

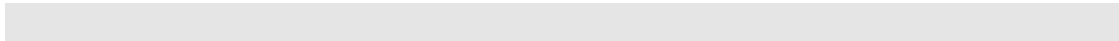
For each pump station operating within the waste water works, provide details of the following:

- 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.

There are no wastewater pumping stations within the Mogeely agglomeration under the control of Irish Water.

**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
	✓	



**SECTION D: DISCHARGES TO THE AQUATIC ENVIRONMENT**

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

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

**Details of all discharges of waste water from the agglomeration should be submitted via the following web based link: [http://epa.corasystems.com/EPA\\_WWD](http://epa.corasystems.com/EPA_WWD). The applicant should address in particular all discharge points where the substances outlined in Tables 'Emissions to Surface/Groundwaters and 'Dangerous Substances Emissions' are emitted.**

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

**D.1(i) Discharges to Surface Waters**

Details of all discharges of waste water from the agglomeration should be supplied via the following web based link: [http://epa.corasystems.com/EPA\\_WWD](http://epa.corasystems.com/EPA_WWD). 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(i).

Tables D.1 (i) (a)-(c) include data and characteristics analysis for the Primary Discharge emissions to surface waters. Further discussion on this is included in Section E.4 of this application.

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

<b>Attachment included</b> – Provided in E4	<b>Yes</b>	<b>No</b>
	✓	

**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://epa.corasystems.com/EPA\\_WWD](http://epa.corasystems.com/EPA_WWD). 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)**

There are no discharges to the ground.

<b>Attachment included</b>	<b>Yes</b>	<b>No</b>
		✓

**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.

Dairygold Co-Operative Society Limited facility (195991E, 075075N) includes a private wastewater treatment plant, which treats the raw effluent discharged from their manufacturing process. The treated effluent, which discharges to the Kiltha River, is regulated under the Integrated Pollution Control (IPC) License (P0817-01) with the EPA.

**D.2 Tabular Data on Discharge Points**

Applicants should submit the following information for each discharge point:

**Table D.2:**

PT_CD	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	DESIGNATION	EASTING	NORTHING
Point Code Provide label ID's	Point Type (e.g., Primary/ Secondary/ Storm Water Overflow)	Local Authority Name (e.g., Donegal County Council)	Receiving Water Body Type (e.g., River, Lake, Groundwater, Transitional, Coastal)	Receiving Water Body Name (e.g., River Suir)	Protected Area Type (e.g., SAC, candidate SAC, NHA, SPA etc.)	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference
SW01MO GE	Primary	Cork County Council	River	Kiltha River	None	196000	074644
SW02MO GE	Storm-Water Overflow	Cork County Council	River	Kiltha River	None	196000	074644

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](http://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.

Attachment D.2 included.



## 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://epa.corasystems.com/EPA\\_WWD](http://epa.corasystems.com/EPA_WWD).

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://epa.corasystems.com/EPA\\_WWD](http://epa.corasystems.com/EPA_WWD).

Information is provided in Attachment E.1.

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.

There is a composite sampler for the effluent monitoring point available on site in Mogeely WWTP.

### **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.

The Cork County Council Environmental Laboratory on behalf of Irish Water carried out the analysis of the sampling undertaken. The Cork County Council Environmental Department located in Inniscarra undertook the sampling from the stream upstream and downstream of the wastewater treatment plant outfall. The service provider at the WWTP undertook the sampling of the treated effluent.

The Wastewater Laboratory of Cork County Council is accredited for a number of analytical tests under the Irish National Accreditation Board (INAB) under the ISO 17025 international standard.

The locations for the ambient monitoring points is shown in Attachment E.2, whereas the effluent sampling location is illustrated in Attachment B.3.

The Effluent is to be sampled and analysed biannually for BOD, COD and Suspended Solids, and the samples will be extracted using the composite sampler available on site.

There will not be a proposed ambient monitoring programme.

<b>Attachment included</b>	<b>Yes</b>	<b>No</b>
	✓*	

\* – Effluent Sampling Location is shown in Attachment B.3

### 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
ESW1	Primary Effluent Sampling Point	M/S	196119	074669	N
aSW1u	Upstream Sampling Point	S	195950	075159	N
aSW1d	Downstream Sampling Point	S	196371	073247	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](http://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, as amended, 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.

The treatment works at Mogeely provides effluent treatment to the design standards listed below.

Parameter	Required Standard for Treated Effluent (proposed WWTP)
BOD	≤ 25mg/l
COD	≤ 125mg/l
Total Suspended Solids	≤ 35mg/l

The effluent discharge is discharged to the Kiltha River, which is not classified sensitive waters listed on Schedule 1 of the Urban Waste Water Treatment (Amendment) Regulations 2010 (S.I. No. 48/2010), as amended, and the

discharge does not exceed 10,000 p.e, and therefore the limits for Total Nitrogen and Total Phosphorus do not apply.

Looking at the results from the last 12 months, the following conclusions can be drawn:

- BOD is consistently below 25mg/l
- COD is consistently below 125mg/l
- TSS is consistently below 35mg/l

The effluent sampling results are appended to Attachment E.4.

Ambient monitoring data is appended to Attachment F.1(i)(a) &(b) & F.1(ii)(a) & (b).

**Attachment E.4** should contain any supporting information.

Attachment included	Yes	No
	✓	

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

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

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

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

### F.1. Impact on Receiving Surface water or Groundwater

- Details of monitoring of the receiving surface water should be supplied via the following web based link: [http://epa.corasystems.com/EPA\\_WWD](http://epa.corasystems.com/EPA_WWD). 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.

Monitoring Details and Dangerous Substances Monitoring Details are compiled in Table F.1(i)(a) &(b) & F.1(ii)(a) & (b) in Attachment F.1 for the surface water upstream and downstream of the existing Primary Discharge Point. The test details for both monitoring and dangerous substances monitoring are also listed in the tables.

- Details of monitoring of the receiving ground water should be supplied via the following web based link: [http://epa.corasystems.com/EPA\\_WWD](http://epa.corasystems.com/EPA_WWD). 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.

There are no discharges to ground.

- 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 WwTP discharges to the Kiltha River ca 3.5km upstream of the main channel of the Womanagh River. The Kiltha River or the Womanagh River downstream are not sensitive waters listed on Schedule 1 of the Urban Waste Water Treatment (Amendment) Regulations 2010 (S.I. No. 48/2010). A copy of the Womanagh Water Management Unit Action Plan is available at the link below:

[http://www.wfdireland.ie/docs/1\\_River%20Basin%20Management%20Plans%202009%20-%202015/SWRBD%20RBMP%202010/Water%20Management%20Unit%20Action%20Plans/Womanagh.pdf](http://www.wfdireland.ie/docs/1_River%20Basin%20Management%20Plans%202009%20-%202015/SWRBD%20RBMP%202010/Water%20Management%20Unit%20Action%20Plans/Womanagh.pdf)

See Attachment F.1(a) Screening for Appropriate Assessment Report for further information on water quality status on the receiving watercourses.

An assessment of the receiving water, Kiltha River and Waste Assimilative Capacity (WAC) calculations are included in Attachment F.1 (a) Screening for Appropriate Assessment Report. The result of the WAC calculations demonstrates that the Kiltha River has available assimilative capacity to accommodate the WwTP discharge with respect to BOD levels.

- 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.

Based on the once-off analysis of surface water upstream and downstream of the existing Primary (SW01MOGE) Discharge Point (Table F.1(i)(a) &(b) & F.1(ii)(a) & (b)), it is concluded that none of the substances listed in Annex X of the Water Framework Directive (2000/60/EC) nor any of the Relevant Pollutants listed in Annex VIII of the Water Framework Directive (2000/60/EC) are seen to be present at concentrations above the standards set in the Water Quality (Dangerous Substances) Regulations, 2001 (S.I. 12 of 2001).

- 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.

There are no drinking water abstractions downstream/ down gradient of the discharge.

- 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 European Site, as defined in Regulation 2(1) of the European Communities (Birds and Natural Habitats) Regulations (S.I. No. 477 of 2011). Undertake a screening for Appropriate Assessment and state whether the discharge(s), individually or in combination with other plans or projects, is likely to have a significant effect on a European Site(s), in view of best scientific knowledge and the conservation objectives of the site(s). Where it cannot be excluded, on the basis of objective scientific information, following screening for Appropriate Assessment, that the discharge(s), either individually or in combination with other plans or projects, will have a significant effect on a European Site, the applicant shall provide a Natura Impact Statement. Where based on screening it is considered that an Appropriate Assessment is not required, a reasoned response should be provided. 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**.

An AA Screening Report has been prepared as part of this application and is included in Attachment F.1(a). The report concluded that the current waste water discharge from the Mogeely WwTP alone or in-combination with other plans and / or projects will not have a significant effect on significant effect on a European Site.

<b>Attachment included</b>	<b>Yes</b>	<b>No</b>
	✓	

## 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.

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

There are no drinking water abstractions downstream/ down gradient of the discharge.

ABS_CD	AGG_SERVED	ABS_VOL	PT_CD	DIS_DS	EASTING	NORTHING	VERIFIED
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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](http://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).

There is no further improvement works scheduled for the network or the WwTP.

**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.

There is no further improvement works scheduled for the network or the WwTP.

**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 further improvement works scheduled for the network or the WwTP.

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

Attachment included	Yes	No
		✓

### G.4 Storm Water 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, as amended.

There is no further improvement works scheduled for the network or the WwTP.

**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, as amended.

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 or any person acting on the Applicant's behalf.

Signed by : Sean Laffey  
(on behalf of the organisation)

Date : 21/3/17

Print signature name: SEAN LAFFEY

Position in organisation: HEAD OF ASSET MANAGEMENT

**SECTION I: JOINT DECLARATION**

**Joint Declaration** <sup>Note1</sup>

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, as amended.

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 or any person acting on the Applicant's behalf.

**Lead Authority**

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

**Print signature name:** \_\_\_\_\_

**Position in organisation:** \_\_\_\_\_

**Co-Applicants**

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

**Print signature name:** \_\_\_\_\_

**Position in organisation:** \_\_\_\_\_

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

**Print signature name:** \_\_\_\_\_

**Position in organisation:** \_\_\_\_\_

**Note 1:** In the case of an application being lodged on behalf of more than a single Water Services Authority the following declaration must be signed by all applicants.