

COMHAIRLE CHONTAE MHUINEACHÁIN MONAGHAN COUNTY COUNCIL

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An Gleann,
Muineachán.

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6th November 2008

Environmental Protection Agency
PO Box 3000
Johnstown Castle Estate
Co. Wexford

RE: APPLICATION FOR A WASTE WATER DISCHARGE LICENCE FOR
CASTLEBLAYNEY/BALLYBAY/CLONES WASTE WATER TREATMENT WORKS

Dear Sirs,

Please find enclosed all documentation pertaining to the application by Monaghan county council for a Waste Water Discharge Licence for the Waste Water Treatment Works serving the agglomeration of CASTLEBLAYNEY/BALLYBAY/CLONES and Environs.

The application fee of €25,000 was submitted to your good selves on the 26th September 2008 by electronic fund transfer.

I wish to confirm that the electronic files on the accompanying CD-ROM are a true copy of the original application form.

If you require any further information or clarification of the documentation submitted, please do not hesitate to contact us, as Monaghan County Council will gladly be of assistance.

Yours Sincerely

Mark Johnston
Water Services
Monaghan County Council

This is a draft document and is subject to revision.



Waste Water Discharge Licence Application Form

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EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
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Environmental Protection Agency
PO Box 3000, Johnstown Castle Estate, Co. Wexford
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Tracking Amendments to Draft Application Form

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

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

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

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ABOUT THIS APPLICATION FORM

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

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

A valid application for a Waste Water Discharge Licence must contain the information prescribed in the Waste Water Discharge (Authorisation) Regulations, 2007 (S.I. No. 684 of 2007). Regulation 16 of the Regulations sets out the statutory requirements for information to accompany a licence application. The application form is designed in such a way as to set out these questions in a structured manner and not necessarily in the order presented in the Regulations. In order to ensure a legally valid application in respect of Regulation 16 requirements, please complete the Regulation 16 Checklist provided in Annex 2.

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

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

PROCEDURES

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

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

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

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

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

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

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

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

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

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

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

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

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SECTION A: NON-TECHNICAL SUMMARY

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

A non-technical summary of the application is to be included here. The summary should identify all environmental impacts of significance associated with the discharge of waste water associated with the waste water works. This description should also indicate 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° A.1**

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NON-TECHNICAL SUMMARY

1. The waste water works and the activities carried out

1.1 Introduction

Ballybay is a small market town in the centre of County Monaghan and is situated on the shores of Lough Major. The town is located 21 km south of Monaghan Town and 120 km North West of Dublin. The current residential population of the town was estimated as 3,135. Today Ballybay serves as a retail and service centre to the agricultural community in the surrounding hinterland. The urban area lies in a relatively flat area surrounded by drumlins, rivers and interglacial lakes.

Employment locally is provided in a food processing plant and a manufacturing industry adjoining the town and in the retail and service sector within the town. Commercial facilities are located predominantly around the centre of town. Institutional facilities in Ballybay include three primary schools and one secondary school.

The drainage catchment in Ballybay includes the main urban area on the banks of Lough Major and extends outwards to service ribbon development along roads leading into the town (with the exception of the R162 to the south). The total area of the drainage catchment is approximately 95 ha.

The WWTP is located to the south west of the town, at Meetinghouse Lane. The WWTP currently occupies an area of approximately 0.4 hectares and designed to cater for 7,238P.E. Ballybay WWTP was built and commissioned in 1983 to provide preliminary and secondary treatment for waste water prior to discharge to the River Dromore. The WWTP operates as an extended aeration plant, preceded by screening and grit removal. Sludge treatment at the WWTP comprises thickening and dewatering. The dewatered sludge is stored on site prior to disposal. Treated effluent from Ballybay Waste Water Treatment Plant (WWTP) discharges to the River Dromore via a single outfall. The river flows into a lake and marshy area approximately 0.5 km downstream of the WWTP outfall. The influent and effluent quality at Ballybay WWTP is monitored by 24 hour flow proportional sampling.

The waste water treatment plant is managed on a part-time basis by a technician and a caretaker. There is no SCADA system and no remote monitoring of the plant in place.

1.2 Summary of Wastewater Treatment Plant Units

Treatment Stage	Element	Description (dimensions, capacities etc)	No of Units
Preliminary	Inlet Pumping Station	2No submersible duty pumps (each rated 30L/s)	2
	Screen	2No storm pumps in separate well Mechanical course screen (20mm aperture)	1
	Grit removal	Vortex Grit Trap	1
	Flow monitor	Venturi flume at the plant inlet and outlet	1
	Storm water Treatment	Grass plots	2
Primary	N/A	N/A	N/A
Secondary	Extended Aeration	Rectangular Aeration Tanks (total capacity = 2,460m ³)	2
	Settlement Tank	Rectangular Settlement Tanks (Surface area = 215m ²)	2
Tertiary	N/A	N/A	N/A
Ancillary	Phosphorus Removal	Chemical dosing for phosphorous removal	1
Sludge Treatment/Disposal	Thickening	Picket Fence Thickener, achieves 2.5% dry solids (capacity = 306m ³)	1
	Dewatering	Single belt press estimated @ 90kg ds/hr, achieves 9.5% ds	
Outfall	Pipe	10m long open ended outfall to Dromore River	1
Power Generation	N/A	N/A	N/A

1.3 Description of Waste water treatment process

Inlet Works and Preliminary Treatment

The inlet flow is pumped up to the inlet works passing through a flume with V-Notch weirplate for flow measurement and then flows to a mechanical bar screen. The screenings are directed to a macerator chamber for maceration and returned to the system for treatment. Grit is automatically removed using a Jones and Attwood Pista grit trap. The grit is air lifted to a grit holding chamber and manually removed from there and disposed of to the Scotch Corner landfill. The inlet flow is sampled by a Contronic Flow Proportional Inlet Sampler. The screen and grit are controlled automatically by level probes.

Secondary Treatment

Following preliminary treatment waste water gravitates to the secondary treatment system. Secondary treatment is provided by an activated sludge treatment system comprising of;

- Two rectangular aeration tanks designed for BOD removal and nitrification
 - Two rectangular secondary settlement tanks and a sludge circulation system.
- Each aeration tanks has a total capacity of approximately 2,460 m³, and is fitted with two vertical shaft surface aerators rated at 14.4 kW each. Flow from the aeration tanks gravitates to two rectangular horizontal flow settlement tanks fitted with continuous chain driven scraper mechanisms. Settled sludge gravitates to the nearby pumping station, while scum is removed automatically from the tank surface. A common set of submersible pumps (duty/standby) is used to alternately pump the activated sludge to the aeration tanks or to a picket fence thickener.

Treated effluent which overflows from the secondary settlement tanks gravitates to an on site chamber from where it discharges to the River Dromore, via an open ended outfall.

The treated effluent is measured in a venturi flume at the plant outlet. Twenty-four hour composite samples and grab samples are also routinely taken at this location.

Sludge Treatment

Excess sludge is continually being produced and is removed at regular intervals by pumping to a picket fence thickening tank. Polyelectrolyte is dosed into this line. The sludge is allowed to settle in the thickener and supernatant is drawn off which returns to the sludge return sump for further treatment.

Settled sludge is periodically drawn off from the PFT and pumped into the flocculation chamber. The polyelectrolyte is dosed into the line prior to the chamber.

The flocculated sludge overflows the chamber onto a single belt press and is pressed to a solid sludge cake. The dewatered sludge is stored in a covered skip prior to disposal.

2.0 The sources of emissions from the waste water works

Primary Discharge (PSW1) – Effluent Outfall

Treated effluent from Ballybay Waste Water Treatment Plant (WWTP) discharges to the River Dromore via a single outfall. The river flows into a lake and marshy area approximately 0.5 km downstream of the WWTP outfall. The discharge pipe is an open discharge 530mm diameter pipe.

Refer to Drawing 10, Attachment C2.

Storm Water Overflows (SW2) – Castleblayney Road CSO

The Castleblayney Rd combined sewer overflow is located outside No 14 Castleblayney Rd. The catchment upstream of the overflow consists of the Castleblayney Rd (including the Whyleys Hill and Folly Court pumping stations), and further properties behind Main St, including Church Place and the livestock mart.

The overflow consists of a single broad-crested concrete wall weir set at an approximate height of 300 mm above the invert of the incoming 300mm sewer. Excess storm flows go over the weir and through a coarse screen into a 600mm storm sewer, which eventually discharges into Lough Major.

Refer to Drawing 11, Attachment C2.

Storm Water Overflows (SW3) – Corrybrannan Bridge CSO

The Corrybrannan Bridge combined sewer overflow is on the north bank of the Dromore River where it crosses under Corrybrannan Bridge. The catchment upstream of the overflow consists of the Carrickmacross Rd and Loch Mor estate. The overflow consists of a single sided weir set at a height of 200 mm above the invert of the incoming 375mm sewer. Excess storm flows go over the weir and directly into the Dromore River.

Refer to Drawing 12, Attachment C2.

Storm Water Overflows (SW4) – WWTP Inlet Pumping Station (storm wet well)

Flows in excess of 5DWF overflow to an adjacent storm wet well. Flows from here are pumped directly to the Dromore river.

Refer to Drawing 10, Attachment C2.

Existing Sewerage Network Overview

Ballybay catchment is drained by a combination of gravity sewers and five pumping stations to the wastewater treatment plant, with final effluent discharging into the Dromore River. The network is largely combined and only recent developments have separate foul and storm systems.

3.0 The nature and quantities of emissions from the waste water works into the receiving aqueous environment

The existing plant has a design capacity of 7,238 pe and a design effluent quality (to the primary discharge point) as follows;

Parameter	Concentration
BOD ₅ (mg/L)	25
Total Suspended Solids (mg/L)	35
COD (mg/L)	125
Total Nitrogen (mg/L N)	20
Total Phosphorus (mg/L P)	2.0

The Ballybay Wastewater Treatment Works complies with the requirements of the Urban Waste Water Directive, in addition to providing for compliance with the Phosphorus Regulations (SI 258 of 1998). No significant effects have been identified.

Section 4.4.1 of the Department of the Environment, Heritage and Local Government, National Urban Waste Water Study, Ballybay Catchment Report states that:

“Routine monitoring data has shown that the WWTP has consistently discharged treated effluent in compliance with the discharge standards specified in the Urban Waste Water Treatment Regulations, 2001 (i.e., < 25 mg/l BOD, < 35 mg/l suspended solids and 2 mg/l Total Phosphorus concentration). Treated effluent samples in 2001 had average concentrations of 12 mg/l BOD, less than 9 mg/l suspended solids and less than 1.0 mg/l Ortho-Phosphate. Historically there has been a significant increase in the concentrations of nitrates in the final effluent being discharged, reaching as high as 61 mg/l reported in March 2001. This is attributed to the treatment of imported leachate from Scotch Corner landfill. Since February 2002 80% of the leachate from Scotch Corner landfill has been treated at Monaghan WWTP and this has led to a reduction in nitrate concentrations being discharged in the treated effluent from Ballybay WWTP.”

4.0 Identification of significant effects of the emissions on the environment

The only significant emission from the wastewater treatment plant is the effluent to the Lough Major. The effect of this has been examined in terms of the waste assimilative capacity of the Dromore River in terms of BOD₅, suspended solids, phosphorus, ammonia and oxidised nitrogen. In general the current effluent limits are within the waste assimilative capacity of the river, please see attachment F1 for further information. Therefore, there are not considered to be any significant effects on the environment.

Section 4.4.3 (Meeting the Standards) of the Department of the Environment, Heritage and Local Government, National Urban Waste Water Study, Ballybay Catchment Report states that:

"Ballybay WWTP currently provides an adequate level of waste water treatment for compliance with the Urban Waste Water Treatment Regulations (S.I. No. 254 of 2001), i.e. secondary treatment for discharges to freshwaters from between 2,000 and 10,000 pe by 31st December 2005. The Dromore River is not designated sensitive under the UWWTR and the provision of nutrient reduction is not a legislative requirement under these regulations."

5.0 The proposed technology and other techniques for preventing or reducing emissions/pollution from the waste water works

The wastewater treatment plant in Ballybay was commissioned in 1983. As stated in the national Urban Waste Water study catchment report for Ballybay, it is considered to be providing a suitable level of treatment to prevent pollution of Lough Major.

However, as outlined in the draft Preliminary report submitted Monaghan County Council the following measures are proposed to further reduce and prevent emissions/pollution from the works (refer to drawing 03, Attachment B2):

- **Stormwater Tank** - a stormwater tank with 2 hours capacity for overflows at peak flows (8 DWF)
- **Inlet Works** - complete replacement of all mechanical and electrical equipment and instrumentation
- **Secondary Treatment** - A complete replacement of all mechanical and electrical equipment and instrumentation
- **Aeration Tanks** - the existing surface aerators in the aeration tanks to be replaced with a diffused air aeration system
- **Settlement Tanks** - the scraper bridges and scum removal equipment to be completely replaced
- **Sludge Return / Sludge Waste** - complete replacement of the mechanical, electrical and instrumentation equipment including replacement of actuated valves.
- **Nutrient Reduction** - anoxic and anaerobic zone be provided within the existing aeration tanks to provide for biological phosphorus and nitrogen reduction.
- A chemical dosing facility for phosphorus removal should also be provided as a back-up to ensure that the full level of phosphorus removal can be achieved at all times.

- **Tertiary BOD/Suspended Solids Reduction** - A sand filter for the reduction of BOD and suspended solids following secondary treatment to provide a reliable level of treatment of the effluent prior to discharge to the receiving waters.
- **Sludge Treatment** - A separate sludge acceptance / leachate acceptance facility for any imports of sludge and/or Leachate.
- A new sludge dewatering building with a centrifuge and ancillary equipment is recommended.
- Administration and control building refurbishment
- Provision of air blower room (within existing sludge building)
- Odour control plant
- Upgrade existing site paths and roads
- Upgrade existing walkways, handrailing and decking
- Upgrade existing site cable ducts and pipework
- New main and sludge dewatering control panels
- New telemetry and SCADA system

6.0 Measures planned to monitor emissions into the environment

The inlet flow is sampled by a Contronic Flow Proportional Inlet Sampler.

The screen and grit are controlled automatically by level probes.

The treated effluent flow is measured in a Venturi flume at the plant outlet.

Twenty-four hour composite samples and grab samples are also routinely taken at this location.

Flowmeters are provided at the wastewater treatment plant to monitor the process and the emissions to the environment. The flowmeters provided are as follows:

- i) Flow monitoring using level sensor in inlet flume chamber
- ii) Flowmeter for the sludge return flow.
- iii) Flowmeter and recording equipment for flow from Effluent Pumping Station.

The following process instrumentation is also provided to monitor the process and to ensure there is no overflows of pumping stations and the activated sludge system is working effectively:-

- (i) Dissolved oxygen monitoring in each aeration tank.
- (ii) Ultrasonic level measurement in all pump sumps

Monaghan County Council currently carry out monthly monitoring of the final effluent from the wastewater treatment plant in addition to ongoing monitoring carried out in Dromore river and Lough Major to monitor the water quality. No additional monitoring is considered necessary to monitor emissions to the environment.

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SECTION B: GENERAL

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

B.1 Agglomeration Details

Name of Agglomeration: Ballybay Waste Water Treatment Works

Applicant's Details

Name and Address for Correspondence

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

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

Name*:	Monaghan County Council
Address:	County Offices
	The Glen
	Monaghan
Tel:	074 30500
Fax:	047 82739
e-mail:	info@monaghancoco.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.

Name*:	Mr Mark Johnston
Address:	County Offices
	The Glen
	Monaghan
Tel:	047 30500
Fax:	047 82739
e-mail:	mjohnston@monaghancoco.ie

*This should be the name of person nominated by the water services authority for the purposes of the application.

Co-Applicant's Details

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

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

Design, Build & Operate Contractor Details

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

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

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

Attachment included	Yes	No
	✓	

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*:	Damien McBride
Address:	Ballybay Waste Water Treatment Works
	Meeting House Lane
	Ballybay
	Co. Monaghan
Grid ref (6E, 6N)	E271583, N320338
Level of Treatment	Primary and Secondary
Primary Telephone:	042 9741589
Fax:	042 9741589
e-mail:	Not Applicable

*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.

Type of Discharge	Open Discharge (530mm diameter pipe)
Unique Point Code	PSW1
Location	Lough Major
Grid ref (6E, 6N)	E271553, N320412

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.

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

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	Open discharge via 600mm pipe
Unique Point Code	SW2
Location	Located on the Castleblayney Road, discharge to Lough Major
Grid ref (6E, 6N)	E272255, N320504

Type of Discharge	Open discharge via 375mm pipe
Unique Point Code	SW3
Location	Located at Corrybrannan Bridge, discharge to Dromore River
Grid ref (6E, 6N)	E271947, N320148

Type of Discharge	Open discharge via 300mm pipe
Unique Point Code	SW4
Location	Located at WWTW inlet pumping station, discharge to Lough Major via marsh land
Grid ref (6E, 6N)	E271618, N320369

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

Attachment included	Yes	No
	✓	

B.6 Planning Authority

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

Name:	Planning Department
Address:	County Offices
	The Glen
	Monaghan

Tel:	047 30500
Fax:	047 82739
e-mail:	info@monaghancoco.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 Planning File Reference N^o:	Not Applicable
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The existing Wastewater treatment works was constructed in 1983 prior to the requirement for an Environmental Impact Statement or Part 8 planning

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

Attachment included	Yes	No
		✓

B.7 Other Authorities

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

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

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

Within the SFADCo Area	Yes	No
		✓

B.7 (ii) Health Services Executive Region

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

Name:	Health Services Executive Dublin North Eastern Area
Address:	Dublin Road
	Kells
	Co. Meath
Tel:	046 9280500
Fax:	0469241459
e-mail:	info@hse.ie

B.7 (iii) Other Relevant Water Services Authorities

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

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

Relevant Authority Notified	Yes	No
		✓

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

Attachment included	Yes	No
		✓

B.8 Notices and Advertisements

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

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

Attachment included	Yes	No
	✓	

B.9 (i) Population Equivalent of Agglomeration

TABLE B.9.1 POPULATION EQUIVALENT OF AGGLOMERATION

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

Population Equivalent	3,135
Data Compiled (Year)	2008
Method	Census Data,

	GeoDirectory, Flow and Load Data
--	-------------------------------------

In estimating domestic population projections for Ballybay it will be necessary to consider the following:

- General trends from the 2006 Census Report.
- Statutory Development Plans for Monaghan County Council with particular reference to Land Use Zoning Maps.

The recorded population for the Ballybay catchment from the 2006 Census Report is 1,780. This figure is made up from a population of 401 within the legally defined town boundary and 1,379 in its suburbs and environs.

In order to assess the accuracy of this population figure a count of all houses in the existing catchment was carried out using Geo-Directory data. An analysis of the most current Geo-Directory data available would suggest reasonable correlation with the population figure of 1,780 outlined above. Currently approximately 645 residential properties exist within the catchment region. Using a household occupancy of 2.66 (2006 rate for towns in County Monaghan) this amounts to a current population of 1,716. Therefore, there is good correlation between the figures and the percentage difference is low at only 3.6%.

The domestic population growth rate and population projections for this scheme are based on half the 2.4% (1.2%) annual growth rate observed in the Census over the period 2002 to 2006. Therefore, the current and projected PE is as follows;

Component	Current PE	Projected PE (excluding pending planning permissoms)
	2008	2015
Domestic	1,780	1,939
Industrial	885	964
Commercial/Institutional	470	512
Total	3,135	3,415

B.9 (ii) Pending Development

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

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

The table below details the planning permissions, granted to date, that have not commenced or have not yet been connected to the main network. This table was compiled in conjunction with Monaghan County Council Planners.

A county average of 2.66 persons per household was used to calculate the related additional PE. (Census 2006)

Please note: in the current economic climate it is probable that not all the housing permissions applied for will be realised.

BALLYBAY PLANNING PERMISSIONS (PRESENT - 2015)				
File No.	Development Address	Description	Additional Housing	Additional PE
6332	Cornamucklaglass TD &, Knocknamaddy TD, Ballybay, Co. Monaghan	erect a housing development consisting of 31 no two storey dwelling-houses, foul sewer pumping station with rising main to existing public sewer and all ancillary site works	31	82
41429	Whylies Hill , Cornamucklaglass, , Ballybay, , Co. Monaghan.	change of house type on site nos. 61-116 inclusive (56 No. houses in total) under previously approved planning ref. no. 01/838. Revisions to house types consist of additional rear utility, W.C. and elevational treatment	56	149
2973	Cornamucklaglass Td, Ballybay, Co. Monaghan	erect 34 Semi detached and 7 no. detached type dwellings and the extension to the proposed access roadway to abut access roadway on adjoining site and ancillary site works	41	109
		Additional individual apartments + houses not catered for above	15	40
			60	160
				540

As can be seen below, an approximate estimate for the plant loading in 2015 (the life span of this licence) is 3,955P.E. As the plant is currently designed to cater for over 7,283P.E., it will be able to accommodate the extra hydraulic and organic loading without posing an environmental risk to the receiving water habitat.

Ballybay WWTW			
Source	Existing P.E.	Pending P.E.	Projected P.E. increase to 2015
Domestic	1,780	540	159
Industrial	885		79
Commercial/Institutional	470		42
Sub-Total	3,135	540	280
Total (Existing+Pending+Projected)			3,955

Section 4.4.4 (Utilisation) of the Department of the Environment, Heritage and Local Government, National Urban Waste Water Study, Ballybay Catchment Report states that:

“The standardised analysis given above, suggests that there is spare capacity at the WWTP corresponding to 5,219 pe.”

B.9 (iii) FEES

State the relevant Class of waste water discharge as per Column 1 of the Second Schedule, and the appropriate fee as per Columns 2 or 3 of the Third Schedule of the Waste Water Discharges (Authorisation) Regulations 2007, S.I. No. 684 of 2007.

Class of waste water discharge	Fee (in €)
	€25,000.00

Please see attachment B.9(iii) for confirmation letter.

Appropriate Fee Included	Yes	No
	✓	

B.10 Capital Investment Programme

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

In the 2007-2009 Water Services Investment Programme, €12,000,000 was provisionally committed to the Castleblayney/Ballybay/Clones Wastewater Treatment Plants. To date a Preliminary report has been compiled and submitted to the Department of Environment, Heritage and Local Government. A final decision and approval for funding has yet to be taken. As stated on the investment programme, these schemes will not commence in 2008.

Attachment B.10 should contain the most recent development programme, including a copy of any approved funding for the project and a timeframe for the completion of the necessary works to take place.

Attachment included	Yes	No
	✓	

B.11 Significant Correspondence

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

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

Attachment included	Yes	No
		✓

B.12 Foreshore Act Licences.

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

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

Attachment included	Yes	No
		✓

SECTION C: INFRASTRUCTURE & OPERATION

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

C.1 Operational Information Requirements

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

C.1.1 Storm Water Overflows

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

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

C.1.2 Pumping Stations

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

- Number of duty and standby pumps at each pump station;

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

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

Attachment included	Yes	No
	✓	

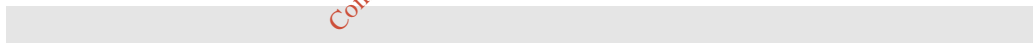
C.2 Outfall Design and Construction

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

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

Attachment included	Yes	No
	✓	

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SECTION D: DISCHARGES TO THE AQUATIC ENVIRONMENT

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

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

Details of all discharges of waste water from the agglomeration should be submitted via the following web based link: http://78.137.160.73/epa_wwd_licensing/. The applicant should address in particular all discharge points where the substances outlined in Tables D.1(i), (b) & (c) and D.1(ii), (b) & (c) of Annex 1 are emitted.

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

D.1 Discharges to Surface Waters

Details of all discharges of waste water from the agglomeration should be supplied via the following web based link: http://78.137.160.73/epa_wwd_licensing/. Tables D.1(i)(a), (b) & (c), should be completed for the primary discharge point from the agglomeration and Tables D.1(ii)(a), (b) & (c) should be completed for each secondary discharge point, where relevant. Table D.1(iii)(a) should be completed for each storm water overflow. Individual Tables must be completed for each discharge point.

Where monitoring information is available for the influent to the plant this data should also be provided in response to Section D.1.

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

Attachment included	Yes	No
	✓	

D.2 Tabular Data on Discharge Points

Applicants should submit the following information for each discharge point:

Table D.2:

PT_CD	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	DESIGNATION	EASTING	NORTHING
Point Code Provide label ID's	Point Type (e.g., Primary/Secondary/Storm Water Overflow)	Local Authority Name (e.g., Donegal County Council)	Receiving Water Body Type (e.g., River, Lake, Groundwater, Transitional, Coastal)	Receiving Water Body Name (e.g., River Suir)	Protected Area Type (e.g., SAC, candidate SAC, NHA, SPA etc.)	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference
PSW1	Primary Discharge Point	Monaghan County Council	River	Dromore River	N/A	271553	320412
SW2	Stormwater Overflow	Monaghan County Council	Lake	Lough Major	N/A	272255	320504
SW3	Stormwater Overflow	Monaghan County Council	River	Dromore River	N/A	271947	320148
SW4	Stormwater Overflow	Monaghan County Council	River	Lough Major	N/A	271618	320369

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

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SECTION E: MONITORING

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

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

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

Provide an estimation of the quantity of 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 E.1(ii) via the following web based link: http://78.137.160.73/epa_wwd_licensing/.

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

E.2. Monitoring and Sampling Points

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

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

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

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

Attachment included	Yes	No
	✓	

E.3. Tabular data on Monitoring and Sampling Points

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

PT_CD	PT_TYPE	MON_TYPE	EASTING	NORTHING	VERIFIED
Point Code Provide label ID's assigned in section E of application	Point Type (e.g., Primary, Secondary, Storm Water Overflow)	Monitoring Type M = Monitoring S = Sampling	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used
aSW1u	Primary - Upstream	S	271594	320437	Y
aSW1d	Primary - downstream	S	271575	320215	Y
ESW1	Effluent	S	271566	320400	Y
ISW1	Influent	S	271597	320366	Y

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 16(1)(h) of the Waste Water Discharge (Authorisation) Regulations 2007 requires all applicants in the case of an existing waste water treatment plant to specify the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application.

Regulation 16(1)(l) of the regulations requires applicants to give details of compliance with any applicable monitoring requirements and treatment standards.

Attachment E.4 should contain any supporting information.

Attachment included	Yes	No
	✓	

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

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

Detailed information is required to enable the Agency to assess the existing receiving environment. This section requires the provision of information on the ambient environmental conditions within the receiving water(s) upstream and downstream of any discharge(s).

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

F.1. Assessment of Impact on Receiving Surface or Ground Water

- Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.
- Details of all monitoring of the receiving water should be supplied via the following web based link: http://078.137.160.73/epa_wwd_licensing/. Tables F.1(i)(a) & (b) should be completed for the primary discharge point. Surface water monitoring locations upstream and downstream of the discharge point shall be screened for those substances listed in Tables F.1(i)(a) & (b). Monitoring of surface water shall be carried out at not less than two points, one upstream from the discharge location and one downstream.
- For discharges from secondary discharge points Tables F.1(ii)(a) & (b) should be completed. Furthermore, provide summary details and an assessment of the impacts of any existing or proposed emissions on the surface water or ground (aquifers, soils, sub-soils and rock environment), including any impact on environmental media other than those into which the emissions are to be made.
- Provide details of the extent and type of ground emissions at the works. For larger discharges to groundwaters, e.g., from Integrated Constructed Wetlands, large scale percolation areas, etc., a comprehensive report must be completed which should include, inter alia, topography, meteorological data, water quality, geology, hydrology, and hydrogeology. The latter must in particular present the aquifer classification and vulnerability. The Geological Survey of Ireland Groundwater Protection Scheme Dept of the Environment and Local Government, Geological Survey of Ireland, EPA (1999) methodology should be used for any such classification. This report should also identify all surface water bodies and water wells that may be at risk as a result of the ground discharge.

- Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Submit a copy of the most recent water quality management plan or catchment management plan in place for the receiving water body. Give details of any designation under any Council Directive or Regulations that apply in relation to the receiving water.
- 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.
- In circumstances where water abstraction points exist downstream of any discharge describe measures to be undertaken to ensure that discharges from the waste water works will not have a significant effect on faecal coliform, salmonella and protozoan pathogen numbers, e.g., Cryptosporidium and Giardia, in the receiving water environment.
- Indicate whether or not emissions from the agglomeration or any plant, methods, processes, operating procedures or other factors which affect such emissions are likely to have a significant effect on –
 - (a) a site (until the adoption, in respect of the site, of a decision by the European Commission under Article 21 of Council Directive 92/43/EEC for the purposes of the third paragraph of Article 4(2) of that Directive) –
 - (i) notified for the purposes of Regulation 4 of the Natural Habitats Regulations, subject to any amendments made to it by virtue of Regulation 5 of those Regulations,
 - (ii) details of which have been transmitted to the Commission in accordance with Regulation 5(4) of the Natural Habitats Regulations, or
 - (iii) added by virtue of Regulation 6 of the Natural Habitats Regulations to the list transmitted to the Commission in accordance with Regulation 5(4) of those Regulations,
 - (b) a site adopted by the European Commission as a site of Community importance for the purposes of Article 4(2) of Council Directive 92/43/EEC¹ in accordance with the procedures laid down in Article 21 of that Directive,
 - (c) a special area of conservation within the meaning of the Natural Habitats Regulations, or
 - (d) an area classified pursuant to Article 4(1) or 4(2) of Council Directive 79/409/EEC²;

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

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

- Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.
- This section should also contain full details of any modelling of discharges from the agglomeration. Full details of the assessment and any other relevant information on the receiving environment should be submitted as **Attachment F.1**.

Attachment included	Yes	No
	✓	

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

Applicants should submit the following information for each downstream or downgradient drinking water abstraction point. The zone of contribution for the abstraction point should be delineated and any potential risks from the 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 m ³ /day	Point Code Provide label ID's	Distance Downstream in meters from Emission Point to Abstraction Point	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used

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

There are no water abstraction points downstream of the Ballybay WWTW.

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

Attachment F.2 should contain any supporting information.

SECTION G: PROGRAMMES OF IMPROVEMENTS

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

G.1 Compliance with Council Directives

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

- Dangerous Substances Directive 2006/11/EC,
- Water Framework Directive 2000/60/EC,
- Birds Directive 79/409/EEC,
- Groundwater Directives 80/68/EEC & 2006/118/EC,
- Drinking Water Directives 80/778/EEC,
- Urban Waste Water Treatment Directive 91/271/EEC,
- Habitats Directive 92/43/EEC,
- Environmental Liabilities Directive 2004/35/EC,
- Bathing Water Directive 76/160/EEC, and
- Shellfish Waters Directive (79/923/EEC).

There is currently no timetable for any capital works however, recommendations have been made in the preliminary report which has been submitted for approval.

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

Attachment included	Yes	No
		✓

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

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

There is phosphorus removal at the WWTW in Ballybay. The WAC calculations included in Attachment F1 demonstrates compliance with the requirements of the phosphorus regulations.

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.

It is not considered that the current works in Ballybay cause significant environmental pollution. There are currently no plans/timetable for any capital works however, recommendations have been made in the preliminary report which has been submitted for approval.

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

Attachment included	Yes	No
		✓

G.4 Storm Water Overflow

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

There is currently no timetable for any capital works however, recommendations have been made in the preliminary report which has been submitted for approval.

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

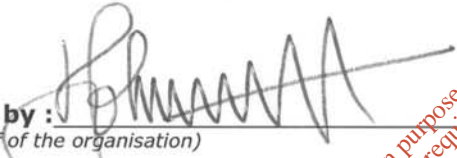
Declaration

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

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

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

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

Signed by :  Date : 6/11/08
(on behalf of the organisation)

Print signature name: MARK JOHNSTON

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