

*Ballymurn & Environs Wastewater Discharge Licence Application
Wexford County Council*



Comhairle Chiontae
Loch Garman

Wexford County Council
County Hall
Wexford

Tel 053 42211
Fax 053 43406
email postmaster@wexfordcoco.ie



EPA Headquarters,
Office of Climate, Licensing and Resources,
PO Box 3000,
Johnstown Castle Estate,
Co. Wexford.

Date 22nd June 2009

**RE: Ballymurn and Environs Agglomeration WASTEWATER
DISCHARGE LICENCE APPLICATION.**

Dear Sirs,

Herewith is the signed original Application Form for Ballymurn and Environs Agglomeration together with the appropriate fee, 1 further hard copy of these documents, 2 copies in electronic searchable PDF format on CD-ROM and a CD-ROM with the geo-referenced drawings.

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

Please contact the undersigned if anything further is required.

Yours faithfully,

D. Cullinan
Senior Engineer
Water Services
Wexford County Council

*100 Years of Community Service
Céad bliain ag tabhairt seirbhíse don phobal*



Comhairle Chontae
Loch Garman

Wexford County Council
County Hall
Wexford

Tel 053 42211
Fax 053 43406
email postmaster@wexfordcoco.ie

WASTE WATER DISCHARGE LICENCE APPLICATION

BALLYMURN AND ENVIRONS AGGLOMERATION

*For inspection purposes only.
Consent of copyright owners required for any other use.*

22nd JUNE 2009

*100 Years of Community Service
Céad bliain ag tabhairt seirbhíse don phobal*



Waste Water Discharge Licence Application Form

Ballymurn & Environs Agglomeration Licence Category 500-1,000 PE

For inspection purposes only.
Consent of copyright owner required for any other use.

EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
--	----------------------

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

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

CONTENTS

	Page
SECTION A: NON-TECHNICAL SUMMARY	7
SECTION B: GENERAL	11
B.1 AGGLOMERATION DETAILS	11
APPLICANT'S DETAILS	11
CO-APPLICANT'S DETAILS	12
DESIGN, BUILD & OPERATE CONTRACTOR DETAILS	12
ATTACHMENT	12
B.1 AGGLOMERATION MAP	12
B.2 LOCATION OF ASSOCIATED WASTE WATER TREATMENT PLANT(S)	13
B.3 LOCATION OF PRIMARY DISCHARGE POINT	14
ATTACHMENT	14
B.3 PRIMARY DISCHARGE LOCATION MAP	14
B.4 LOCATION OF SECONDARY DISCHARGE POINT(S)	14
B.5 LOCATION OF STORM WATER OVERFLOW POINT(S)	15
B.6 PLANNING AUTHORITY	15
ATTACHMENT	16
B.6 COPY OF PART 10 PLANNING PERMISSION.	16
B.7 OTHER AUTHORITIES	16
B.8 NOTICES AND ADVERTISEMENTS	17
B.9 (I) POPULATION EQUIVALENT OF AGGLOMERATION	18
B.10 CAPITAL INVESTMENT PROGRAMME	19

NOT APPLICABLE.	19
B.11 SIGNIFICANT CORRESPONDENCE	19
B.12 FORESHORE ACT LICENCES.	19
SECTION C: INFRASTRUCTURE & OPERATION	20
C.1 OPERATIONAL INFORMATION REQUIREMENTS	20
ATTACHMENT	22
C.2 OUTFALL DESIGN AND CONSTRUCTION	23
SECTION D: DISCHARGES TO THE AQUATIC ENVIRONMENT	24
D.1 DISCHARGES TO SURFACE WATERS	24
D.2 TABULAR DATA ON DISCHARGE POINTS	25
SECTION E: MONITORING	26
E.1 WASTE WATER DISCHARGE FREQUENCY AND QUANTITIES – EXISTING & PROPOSED	26
E.2. MONITORING AND SAMPLING POINTS	27
E.3. TABULAR DATA ON MONITORING AND SAMPLING POINTS	28
E.4 SAMPLING DATA	28
SECTION F: EXISTING ENVIRONMENT & IMPACT OF THE DISCHARGE(S)	29
F.1. ASSESSMENT OF IMPACT ON RECEIVING SURFACE OR GROUND WATER	29
ATTACHMENTS	39
F.2 TABULAR DATA ON DRINKING WATER ABSTRACTION POINT(S)	40
ATTACHMENTS	40
SECTION G: PROGRAMMES OF IMPROVEMENTS	41
G.1 COMPLIANCE WITH COUNCIL DIRECTIVES	41
G.2 COMPLIANCE WITH WATER QUALITY STANDARDS FOR PHOSPHORUS REGULATIONS (S.I. NO. 258 OF 1998).	41
G.3 IMPACT MITIGATION	42
G.4 STORM WATER OVERFLOW	42
SECTION H: DECLARATION	43

ANNEX 1: TABLES/ATTACHMENTS

ANNEX 2: CHECKLIST

*For inspection purposes only.
Consent of copyright owner required for any other use.*

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^o A.1**

A Description of the Wastewater Works and the Activities Carried Out Therein

The Ballymurn Wastewater Treatment Plant is located approximately 450m north of Ballymurn Village in the town's land of Ballykelly on the east bank of a tributary of the River Sow into which it discharges treated effluent. This plant treats all the sewage generated within Ballymurn village and its immediate environs and the Ballymurn Wastewater Treatment Plant is operated directly by Wexford County Council.

The Ballymurn Wastewater Treatment Plant was originally constructed around 2001-2002, with an initial design capacity of 300 P.E. The Ballymurn Wastewater Treatment Plant was upgraded in the year 2005

with an ultimate capacity of 600 P.E. (@ 60g/BOD/PE/D) by the addition of a new Rotating Biological Contactor (RBC). The treated effluent from the Wastewater Treatment Plant is discharged to a tributary of the River Sow. The Ballymurn and Environs collection system consists of a gravity network system.

The sources of Emissions/Nature of emissions from the Wastewater Works

The Primary and sole Discharge point (SW1) is via the outfall pipe, which is located on the bank of the tributary stream of the River Sow. This discharge solely consists of treated effluent from the Ballymurn Wastewater Treatment Plant, which is treated to meet the required standards.

There are no reports of unusual or abnormal noise and/or odour emissions from the plant, either from operational personnel, other agencies or the general public.

Quantities of discharge

There is no flow measurement in place at the Ballymurn Wastewater Treatment Plant and no flow and load studies have been conducted.

Effect of emissions

The EPA "River Water Quality in County Wexford" reports for 2006 and 2007 classify the overall quality for the River Sow as "fair". The reports also indicate that "nitrates are elevated and continue to increase" in the water quality in 2006 and 2007.

However, the average plant results for the past 2 years show that the plant performance is within the plant design specification standards of 10mg/l Biochemical Oxygen Demand (BOD) and 10mg/l Total Suspended Solids (TSS). The average discharge from the plant is 5.6mg/l BOD and 5.25mg/l TSS.

There are no reports of complaints with regard to odour or noise emission.

Technologies:

The Primary Discharge point (SW1) at the Ballymurn Wastewater Treatment Plant is compliant with the design standards and is having no effect on the receiving waters. Additionally there are no complaints or incidents in relation to other discharges to the general environment. Therefore, there is neither a demonstrated need nor plans to reduce or mitigate discharges from the plant.

Techniques:

Not Applicable.

Prevention of Pollution:

The operation of the Ballymurn Wastewater Treatment Plant produces a treated effluent in compliance with the designed performance standards set out for the plant. The discharge is shown to have no polluting effect on the receiving water body. It is the intention of Wexford County Council to continue to operate and manage the Ballymurn Wastewater Treatment Plant to at least the current standard of performance.

Toxic Substances:

Analysis of the samples taken from the receiving waters upstream and downstream of the discharge point, and of the final effluent from the Ballymurn Wastewater Treatment Plant, shows levels of dangerous substances that are below the limits specified in the Dangerous Substances Regulations. The agglomeration discharges are therefore compliant with the requirements.

Measures planned to monitor emissions into the environment:

Wexford County Council will monitor the final effluent, in accordance with our monitoring regime. This work is undertaken on behalf of Wexford County Council by an independent ILAB accredited laboratory. The contract for this testing is renewed every three years by open procurement. The contract was re-tendered under open procurement regulations in January of 2009. The current contract is with Environmental Services Limited, Acorn Business Campus, Mahon Industrial Park, Blackrock, Co. Cork.

SECTION B: GENERAL

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

B.1 Agglomeration Details

Name of Agglomeration: Ballymurn & Environs

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*:	Wexford County Council
Address:	County Hall
	Spawell Road
	Wexford
	County Wexford
Tel:	(053) 9176303
Fax:	(053) 9124852
e-mail:	postmaster@wexfordcoco.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. Darragh Cullinan
Address:	Wexford County Council
	Spawell Road
	Wexford
	County Wexford
Tel:	(053) 9176303
Fax:	(053) 9124852
e-mail:	darragh.cullinan@wexfordcoco.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
	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
	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
	✓	

Attachment

B.1 Agglomeration Map

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*:	Ballymurn Wastewater Treatment Plant
Address:	Ballykelly
	Ballymurn
	County Wexford
Grid ref (6E, 6N)	303558E 133662N
Level of Treatment	Tertiary
Primary Telephone:	(053) 9176303
Fax:	(053) 9124852
e-mail:	darragh.cullinan@wexfordcoco.ie

*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
	✓	

Attachments

B.2. (a) Site Location Map

B.2. (b) Site Layout Plan

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 pipe
Unique Point Code	SW1
Location	Ballymurn Wastewater Treatment Plant
Grid ref (6E, 6N)	303516E 133680N

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
	✓	

Attachment

B.3 Primary Discharge Location Map

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

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:	Wexford County Council
Address:	County Hall
	Spawell Road
	Wexford
	County Wexford
Tel:	(053) 9176500
Fax:	(053) 9143406
e-mail:	postmaster@wexfordcoco.ie

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

has been obtained	✓	is being processed	
is not yet applied for		is not required	

Local Authority Planning File Reference N^o:	N/A
---	-----

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
	✓	

Attachment

B.6 Copy of Part 10 Planning Permission.

B.7 Other Authorities

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

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

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

Within the SFADCo Area	Yes	No
		✓

B.7 (ii) Health Services Executive Region

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

Name:	Health Service Executive South
Address:	Wexford Local Health Office
	Whitemill Industrial Estate
	Wexford
Tel:	053 9123522
Fax:	053 9142068
e-mail:	Matt.Grogan@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 ($\leq A3$) showing its location. **The original application must include the original page of the newspaper in which the advertisement was placed.** The relevant page of the newspaper containing the advertisement should be included with the original and one (1) copy of the application.

Attachment included	Yes	No
	✓	

Attachments

B.8. (a) Copy of Site Notice

B.8. (b) Site Notice Location Map

B.8. (c) Copy of cutting from newspaper of Advertised notice

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	661
Data Compiled (Year)	2008
Method	Calculation

Attachment

B.9 (i) Ballymurn Agglomeration and Environs P.E.

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.

There are no future developments pending within this agglomeration.

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 €)
500-1,000 P.E.	10,000

Appropriate Fee Included	Yes	No
	✓	

B.10 Capital Investment Programme

State whether a programme of works has been prioritised for the development of infrastructure to appropriately collect, convey, treat and discharge 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.

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
		✓

Not Applicable.

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.

There are no Section 63 correspondences in relation to the Ballymurn and Environs Agglomeration.

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
		✓

The Foreshore Act is not applicable to this application as the discharge point is on the River Sow, which is non-tidal at the discharge location.

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.

Plant Process and Design Capacity

The Ballymurn Wastewater Treatment Plant design capacity is 600 PE.

The plant currently treats approximately 762 P.E. while still achieving the required effluent design standards. The Daily Biological design load of the Ballymurn Wastewater Treatment Plant is 36Kg of BOD (60g/person/day).

The Ballymurn Wastewater Treatment Plant consists of secondary and tertiary treatment which achieves a final effluent of 10mg/l Biochemical Oxygen Demand (BOD) and 10mg/l Total Suspended Solids (TSS).

All sewage generated in Ballymurn and its environs enters directly into the pump sump within the Wastewater Treatment Plant via a 300mm uPVC pipe where it is then pumped via a 50mm HDDP rising main to the primary settlement tanks.

Primary Tank

Sewage enters the initial Primary Settlement Tank where gross solids are allowed to settle, it then flows by displacement to a second primary tank to repeat process. The effects of primary settlement: is to removing 30% of Biochemical Oxygen Demand (BOD) and 40% of Total Suspended Solids.

Rotating Biological Contactor

Flow from the primary settlement tank is split between 2 no. Rotating Biological Contactors (RBC's), which operate in parallel.

At the end of the Rotating Biological Contactors, there is a clarification zone, where sludge is retained and automatically routinely pumped back to the Primary Settlement Tank.

Reedbeds

Following treatment in the Rotating Biological Contactors, flow is recombined and it is distributed to the head of Reedbed no.1 and flow then migrates to the outlet of Reedbed no.1 and then flows to the head of Reedbed No.2.

Outlet Channel

From the Reedbeds the final effluent exits the Reed bed via the Level Control Manhole and is discharged to the Tributary Stream of the River Sow.

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.

There are no Storm Water overflows within the wastewater works; therefore this section is not 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.

Forward Feed Pump Station

This Wastewater Treatment Plant is equipped with 2 no. Pumps, operating as duty/standby. In the event of a power failure, the pump sump shuts down (along with the RBC), and the sewage backs up the line. It is recorded and reported and immediately acted upon.

The available storage in the sump is approximately 10 cubic meters. The plant is not equipped with a Combined Storm Overflow or an Emergency Overflow.

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
	✓	

Attachment

C.1 Process Flow Diagram

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.

Primary Discharge Outfall

The Primary Discharge is by means of a 300mm diameter uPVC pipe which discharges directly to the Tributary Stream of the River Sow. The pipe is open-ended and extends just past the bank of the Stream and is normally above river water level.

Neither construction details nor design criteria are available.

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
		✓

For inspection purposes only.
Consent of copyright owner required for any other use.

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.

The plant is not equipped with flow measurement; therefore it is not possible to give an accurate account of the discharge flow data.

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
	✓	

Attachment

D.1 Copy of Methods of Analysis used including Detection Limits

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
SW1	Primary	Wexford County Council	Stream	Tributary of River Sow	None	303516	133680

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.

For inspection purposes only.
Consent of copyright owner required for any other use.

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/.

The Wastewater Treatment Plant is not equipped with flow measurement, thus it is not possible to give discharge volumes for the Primary Discharge Point (SW1). Discharge occurs over a 24 hour per day period.

There is no Secondary Discharge associated with the Ballymurn Agglomeration.

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/.

This section is not applicable as there is no Storm Water Overflow associated with the Ballymurn Agglomeration.

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.

The Ballymurn Wastewater Treatment Plant is not equipped with flow measurement or composite sampling. Currently there are no plans to provide either.

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.

Monitoring Programme Details

The programme of monitoring that is being undertaken at the Ballymurn Wastewater Treatment Plant forms part of the countywide monitoring programme required under the Urban Wastewater Directive for the annual returns to the EPA. This sampling and analysis is undertaken for Wexford County Council by an independently accredited laboratory appointed under a 3 year contract.

The appointed laboratory is responsible for all elements of these services and must hold independent accreditation.

The required sampling frequency at this site is 12 times per year, evenly spaced out over the year. The sampling arrangement is by means of a grab from the level control manhole (in case of effluent sample).. Accessing the receiving waters requires the preparation and implementation of an appropriate method of work to ensure the safety and health of personnel involved.

Details of any accreditation or certification of analysis should be included.

Attachment E.2 should contain any supporting information.

Attachment included	Yes	No
	✓	

Attachment

E.2 Copy of ELS Accreditation

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
SW1	Primary	M/S	303524	133683	N
SW1u	Primary	M	303575	133503	N
SW1d	Primary	M	303458	133778	N

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

E.4 Sampling Data

Regulation 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
	✓	

Attachment

E.4 Copy of Ballymurn Wastewater Treatment Plant results since January 2008.

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.

The EPA "River Water Quality in County Wexford" reports for 2008 and 2007 classify the overall quality for the River Sow as "fair". The reports also indicate that nitrates are elevated and continue to increase" in the water quality in 2008 and 2007.

However, the two reports clearly demonstrate that there is no noticeable deterioration in the receiving water quality at Ballinkeel Br (station 0100), some 1.5km downstream of the Primary Discharge point (SW1).

The average plant results for the past 2 years show that the plant performance is within the plant design specification standards of 10mg/l Biochemical Oxygen Demand (BOD) and 10mg/l Total Suspended Solids (TSS). The average discharge from the plant is 5.6mg/l BOD and 5.25mg/l TSS.

There are no reports of complaints with regard to odours or noise emissions in relation to the Wastewater Treatment Plant. Also, as there are no discharges to ground media, there would appear to be no effects on either soil or ground water media for both plants. This is additionally backed up by the monitoring of the receiving waters undertaken as part of this licence application.

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

Please see table attached in Annex 1.

The Primary Discharge point (SW1) discharges to a Tributary Stream of the River Sow and monitoring has been conducted as part of this application at the point of discharge (SW1), upstream (aSW1u) and downstream (aSW1d) of the outfall for the dangerous substances listed in the Dangerous Substances Regulations.

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

Not applicable, as there are no secondary discharges within the Ballymurn Agglomeration.

- 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.

As there are no discharges to ground media from the Ballymurn and Environs Agglomeration, this section is 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 water.

The EPA "River Water Quality in County Wexford" reports for 2008 and 2007 classify the overall quality for the River Sow as "fair". The reports also indicate that "nitrates are elevated and continue to increase" in the water quality in 2008 and 2007.

Both reports also state that the water quality in the River has a Biological Quality Rating (Q value) of 3-4 in the upper reaches, which gives an indication that the biological quality status of the River Sow is "slightly polluted". Additionally, both reports comment that the River Sow "is particularly susceptible to slurry run-off from agricultural land during rain events".

A copy of the draft Sub-Basin Plan of the water quality status from <http://watermaps.wfdireland.ie> is attached for the Sow River.

- 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.

It is not anticipated that emissions of the main polluting substances (as defined in the "Dangerous Substances Regulations S.I. No. 12 of 2001") to the receiving waters are likely to impair the environment.

Based on monitoring carried out, the measured concentration of the main polluting substances are either very low or below the detection limit of the test, therefore the likely effect on the receiving waters is minimal.

- 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.

Water is abstracted downstream of the Ballymurn Wastewater Treatment Plant, on the River Sow, at Kilmallock Bridge for the Kilmallock Water Treatment Plant and at Edenvale for the Newtown Rd Water Treatment Plant.

Water analysis is carried out on the water abstracted at Kilmallock and Edenvale Intakes as per S.I. No. 294/1989 - European Communities (Quality of Surface Water Intended for The Abstraction of Drinking Water) Regulations, 1989.

Currently the Water Treatment Plant in Kilmallock is classified to treat A2 type category of surface water. The classification of raw surface water being abstracted at Kilmallock Bridge is A1 type category, with the exception of one Parameter, Colour, which complies with Category A2/A3. The Newtown Rd Water Treatment Plant is classified to treat

A2 type category of surface water. The classification of raw surface water being abstracted at Edenvale is A1 type category also with the exception of Colour, which complies with Category A2/A3, and on occasion Coliforms, complying with A2 type category for both abstraction points.

Both the Kilmallock and Newtown Water Treatment Plants provide full Category A2 Treatment by means of Coagulation, Flocculation, Decantation, Filtration and Disinfection (final chlorination). Additionally PH Correction and Fluoridation are included into the Water Treatment Processes of both Water Treatment Plants.

Both Water Treatment Plants are equipped with continuous online monitoring and an alarming system on the raw water intake for PH, Turbidity and Ammonia and also on the finished water for Chlorine Residual, Turbidity and PH.

The approximate population served by the Newtown Water Treatment plant is 20,000 and the population served by Kilmallock Water Treatment Plant is approximately 7,500. Therefore, as per S.I. No. 294/1989 Regulations, under A1 classification of parameters, the minimum frequency of sampling and analysis of the surface water that should be carried out for Newtown Water Treatment Plant is once per annum and for Kilmallock Water Treatment Plant it is once in three years.

At present sampling and analysis is carried out approximately twice per annum. A copy of the Surface water (Drinking Water Abstraction) Regulations 1989 Analysis Reports are attached in attachment F.1. (b).

It can be seen from these reports that the Drinking Water Abstraction at Kilmallock and Edenvale complies with category A1 (with one exception for one parameter, Colour, which falls into the A2 category) with regard to the testing carried out on the parameters specified for A2 type treatment as per S.I. No. 294/1989 Regulations.

- 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)

The Primary Discharge point (SW1), the receiving waters and the agglomeration are not located within a designated Special Area of Conservation (SAC) or a Special Protected Area (SPA). Furthermore, the Primary Discharge point (SW1) is not within a National Heritage Area (NHA).

As part of this application, an assessment was conducted in line with Circular L8/08;

1. Is the development in a nature conservation site? No.

The development is not within a nature conservation site, as the Wastewater Treatment Plant Site and the discharge point (SW1) are not within a Special Protection Area, Special Area of Conservation nor a Natural Heritage Area.

2a. Is the development in the surface catchment of a nature conservation site? Yes.

The primary discharge point from the development is within the catchment of a nature conservation site, as the River Sow and its tributaries discharge to the Slaney Estuary and ultimately to Wexford Harbour, which forms part of the northern boundary of both the Slaney River Valley, SAC (Site code 000781), and the Wexford Harbour and Slobbs SPA/pNHA (Site code 004076). However, the nature conservation site is 12.7Km metres downstream of the discharge point to the River Sow.

2b. Is the development in the groundwater catchment or within 5Km of a nature conservation site? No.

3. Are the qualifying habitats and species of the site water dependant? Yes.

Habitats and Species are water dependant, as the site is a candidate SAC selected for alluvial wet woodlands, floating river vegetation, estuaries, tidal mudflats and old oak woodlands, all habitats listed on Annex I of the E.U. Habitats Directive and furthermore selected for the following species listed on Annex II of the same directive - Sea Lamprey, River Lamprey, Brook Lamprey, Freshwater Pearl Mussel, Twaite Shad, Atlantic Salmon and Otter. Extensive marshes occur to the west of Castlebridge associated with the tidal areas of the River Sow. The discharges are not within a Special Protection Area (SPA) under the E.U. Birds Directive, of special conservation interest for the following species listed on Annex I of the same directive; Little Egret, whooper Swan, Bewick's Swan, Greenland White-fronted Goose, Hen Harrier, Golden Plover, Bar-tailed Godwit, Ruff, wood Sandpiper, little Tern and Short-eared Owl. The River Slaney is a designated Salmonid River under the E.U. Directive 78/659/EEC.

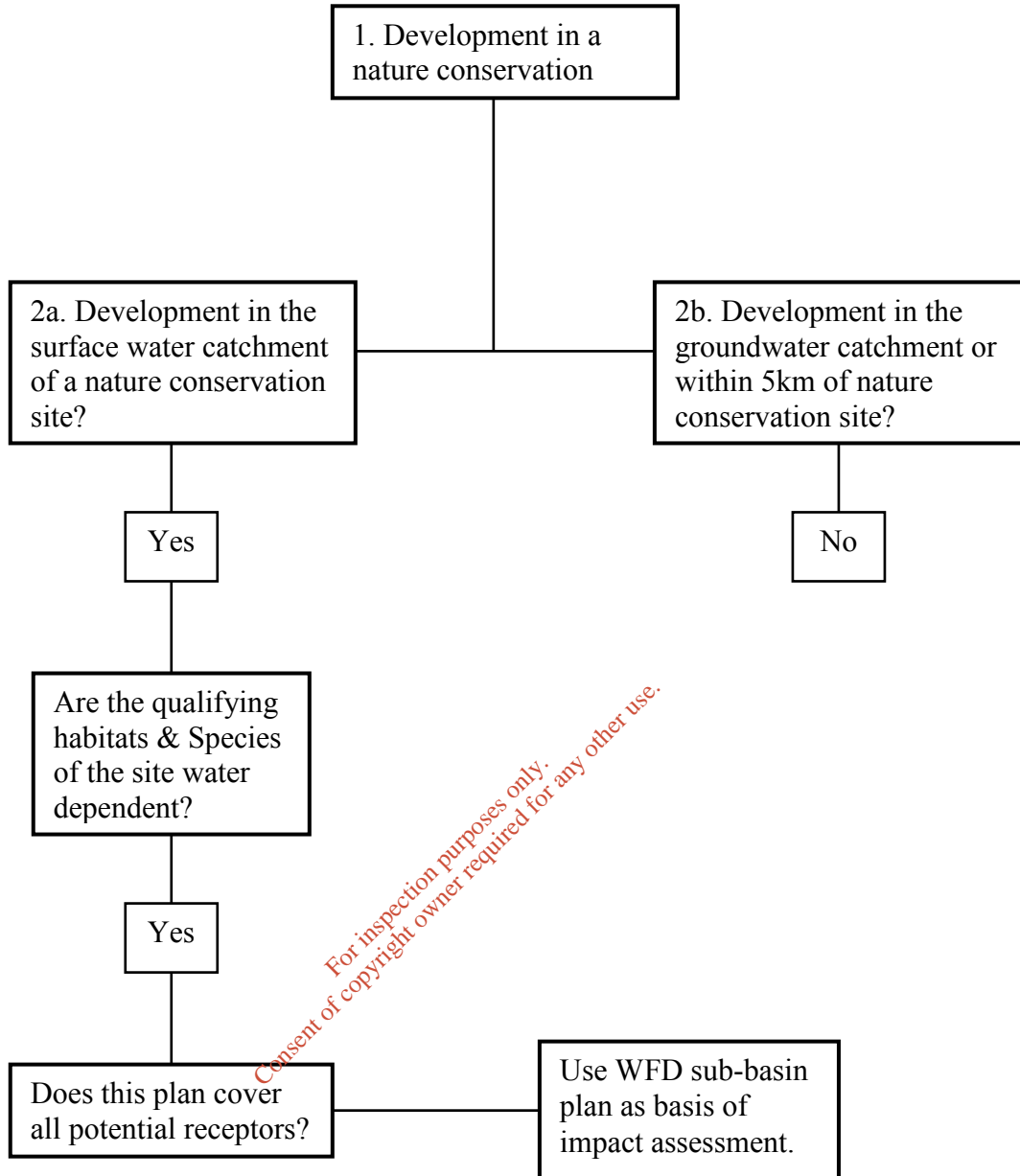
4. Is there a WFD sub-basin plan for the site or its protected habitats/species?

A sub basin plan is being prepared by the South Eastern River Basin District (SERBD) for the Freshwater Pearl Mussel, a protected species which is listed under Annex II of the E.U. Habitats Directive. The Freshwater Pearl Mussel is the only susceptible species as far as is known.

Therefore based on Circular L8/08 (2nd September 2008) further action or assessment is not required.

A copy of the National Parks & Wildlife Services (NPWS) Site Synopsis for the Slaney River Valley, SAC (Site Code: 000781) and Wexford Harbour and Slobbs, SPA (Site Code: 004076) and pNHA (Site Code: 000712) are attached.

*For inspection purposes only.
Consent of copyright owner required for any other use.*



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

This is not applicable as Wexford County Council does not share a land or river border with any other state.

- 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.**

No modelling of the effects of the discharges on the receiving waters has been carried out.

Attachment included	Yes	No
	✓	

Attachments

F.1. (a) (i) Relevant sections of EPA "River Water Quality in Wexford" 2007 Report.

F.1. (a) (ii) Relevant sections of EPA "River Water Quality in Wexford" 2006 Report.

F.1. (b) A copy of the Surface water (Drinking Water Abstraction) Regulations 1989 Analysis Reports.

F.1. (c) (i) A copy of Site Synopsis - Slaney River Valley, SAC (Site Code: 000781).

F.1. (c) (ii) A copy of Site Synopsis - Wexford Harbour and Slobs, SPA (Site Code: 004076).

F.1. (c) (iii) Copy of extract from County Development Plan 2007-2013 (Wexford Harbour & Slobs pNHA, Site code: 000712)

F.1. (d) A copy of draft Sub-Basin Plan for the Sow River.

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
12S03	Sow Regional	2,500	200	5,991	303151	131813	N
12S03	Wexford Town	4,620	400	12,497	304198	127839	N

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

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

Attachment F.2 should contain any supporting information.

Attachments

F.2. (a) A copy of Surface Water (Drinking Water Abstraction) Regulations 1989 Analysis Reports

F.2. (b) (i) Wexford Town and Environs Public Water Supply Area Map

F.2. (b) (ii) Sow Regional and Environs Public Water Supply Area Map

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).

To the best of our knowledge the Ballymurn Wastewater Treatment Plant is in compliance with all of the above directives. There are no proposed improvements planned for the Ballymurn Wastewater Treatment Plant at present.

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.

In accordance with the SI 258 Phosphorous Regulations of 1998 (Columns 2 and 3 of the Third Schedule), the target value for ortho-phosphate in receiving waters is 0.03 mg/l, which provides for a higher standard (target Q value of 4) than the existing biological quality rating for the receiving waters (River Sow), which currently has a Q value 3-4 at Station no. 0100, Ballinkeel Br, and a Q value 4 at Station no. 0200 Kilmallock Br.

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.

None proposed.

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

Attachment included	Yes	No
		✓

G.4 Storm Water Overflow

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

Not Applicable, as there are no Storm Water Overflows within the Ballymurn Agglomeration.

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: *Danagh Cullinan*
(on behalf of the organisation)

Date: *02 June 09*

Print signature name: *DANAGH CULLINAN*

Position in organisations: *Senior Engineer*

*For inspection purposes only.
Consent of copyright owner required for any other use.*