

This is a draft document and is subject to revision.



# Waste Water Discharge Licence Application Form

EPA Ref. N<sup>o</sup>:

(Office use only)

## Environmental Protection Agency

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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.

**CONTENTS**

	<b>Page</b>
<b>ABOUT THIS APPLICATION FORM</b>	<b>5</b>
<b>PROCEDURES</b>	<b>6</b>
<b>SECTION A NON-TECHNICAL SUMMARY</b>	<b>8</b>
<b>SECTION B GENERAL</b>	<b>12</b>
<b>SECTION C INFRASTRUCTURE &amp; OPERATION</b>	<b>21</b>
<b>SECTION D DISCHARGES TO THE AQUATIC ENVIRONMENT</b>	<b>23</b>
<b>SECTION E MONITORING</b>	<b>26</b>
<b>SECTION F EXISTING ENVIRONMENT &amp; IMPACT OF THE DISCHARGE(S)</b>	<b>32</b>
<b>SECTION G PROGRAMME OF IMPROVEMENTS</b>	<b>38</b>
<b>SECTION H DECLARATION</b>	<b>42</b>
<b>SECTION I JOINT DECLARATION</b>	<b>43</b>
<b>ANNEX 1: TABLES/ATTACHMENTS</b>	
<b>ANNEX 2: CHECKLIST</b>	

## 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](http://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**

**Newport Agglomeration consists of Newport Town and its immediate surrounding areas.**

**Newport is a small North Tipperary town located in the West of the County of North Tipperary, near the Co. Limerick border. Newport is located on the main road (R503) between Limerick and Thurles. Newport is approximately 11 miles from Limerick City. Newport is located at the upper reaches of the River Mulcair (sometimes spelled Mulkear). The Mulcair is a tributary of the River Shannon and Newport agglomeration is in the SIRBD (Shannon International River Basin District) area.**

**Newport has primarily a residential catchment with an estimated current population of 2,118 persons in the census of 2006. Not all of this population is served by the Agglomeration's public sewers.**

**The main expansion of Newport Agglomeration has occurred along the main routes to the town centre. There are still areas of land available for development. There are also 5 schools in Newport. There is no significant waste water contribution from agriculture or from tourism/leisure facilities as tourism is limited in the area.**

**Newport is within easy commuter distance of the Limerick/Shannon Gateway, as defined in the National Spatial Strategy. In many respects, Newport is often regarded as a dormitory town for Limerick City.**

**The population equivalent of the agglomeration will be likely to continue to grow at a steady pace in the foreseeable future due to these links.**

**The Agglomeration is approximately 150.3ha in size.**



**Newport Agglomeration is served by North Tipperary County Council. Newport does not have a Town Council.**

**North Tipperary County Council is the Water Services and Planning Authority for the Newport Agglomeration.**

**The agglomeration has an existing combined gravity sewerage system with 2 No. pumping stations, which drains to a single Waste Water Treatment Plant (WWTP) on the banks of the Mulcair River at Portryan, Newport, Co. Tipperary.**

**North Tipperary County Council owns, controls and maintains the sewer network, associated pumping stations and the WWTP.**

**The pumping stations are located at Murroe Road, Newport and at Portryan, Newport approximately 200m from the WWTP. Both pumping stations are fitted with two pumps (one duty, one standby)**

**The WWTP which was designed and constructed in the early 1980s on a Greenfield site and consists of traditional inlet works, with a flume and flow meter, Oxidation ditch, clarifier, outlet flume and sludge drying beds. No major upgrading work has been carried out since its construction in the 1980s. The Treatment Plant currently occupies an area of 1.44 hectares. There is significant area available for future expansion of the WWTP.**

**The existing WWTP consists of**

- **An inlet screen – a hand raked coarse screen**
- **Stormwater Overflow weir.**
- **Inlet flume and flowmeter**
- **Oxidation ditch with 2 No. surface rotary brush aerators**
- **Clarifier**
- **Outlet flume and flowmeter**
- **Sludge drying beds**
- **Return sludge pump**
- **Control building including polymer dosing unit.**

**The wastewater plant is in wastewater treatment technology terms, an extended aeration activated sludge plant.**

**The wastewater undergoes preliminary treatment at the inlet screen and secondary treatment in the oxidation ditch. It does not receive primary treatment. The oxidation ditch is aerated by 2 No. Brush Aerators. The Mixed Liquor from the Oxidation Ditch flows to a radial flow clarifier. The effluent from the clarifier is discharged to the Mulcair River.**

**Settled sludge is returned from the clarifier to the oxidation ditch to complete the extended aeration cycle via a sludge pump.**

**By adjusting a valve on the sludge pump, excess sludge can be sent to the sludge drying beds. A polymer dosing unit is based in the control building and this supplies polymer to the sludge pump so that when sludge excess is sent to the drying beds, polymer is mixed with the sludge to obtain efficient dewatering of the sludge and aid the dewatering and drying process.**

**The oxidation ditch has a capacity of 455m<sup>3</sup>.**

**The current final effluent satisfies the criteria of the Urban Waste Water Regulations. It currently has no phosphate removal facilities. It is the goal of North Tipperary County Council to install phosphate removal facilities at all its wastewater facilities in the medium to long term period.**

**The agglomeration has 2 No. Combined Sewer Overflows.**

**One is located at the inlet works of Newport WWTP (grid reference E171294 N161581) which discharges to the Mulcair River at grid reference E171300 N161557. The other is located at the Lower Mulcair River Sewer Crossing near the Mulcair View Housing Estate at grid reference E172344 N161988 and discharges into the Mulcair River only a few yards away at grid reference E172343 N161983. The quantity of wastewater which is discharged from these overflows is difficult to quantify as there are no flowmeters on the discharge stream. These overflows only operate in stormwater conditions.**

**The agglomeration has 2 No. Emergency overflows. These are emergency overflows from the 2 No. pumping stations on the Agglomeration.**

**The Portryan pumping station is located adjacent to the Mulcair River and the emergency overflow discharges into the Mulcair River.**

**The Murroe Road Pumping Station discharges its emergency overflow to a drain in which flows a small stream. This stream eventually feeds into the Mulcair River.**

**The quantity of wastewater which is discharged from these overflows is difficult to quantify, as there are no flowmeters on the overflow stream. These overflows only operate in stormwater or emergency conditions.**

**The pumping stations, as constructed, are fitted with two pumps (one duty, one standby) each with a design flow rate of  $x\text{m}^3/\text{hr}$ . The capacity of the pumping station can be increased by installing larger pumps when the need arises.**

**The WWTP discharges to the Mulcair River via the primary discharge point.**

**The Mulcair River is not designated as a Nutrient Sensitive or Salmonid River. The Mulcair rises in Silvermines Mountain Range at Curreeny, Co. Tipperary. It is a large fast flowing mountain river which often flows through areas of hillside that contain significant amounts of mountain blanket bog. This often gives the Mulcair a high natural peaty colour in heavy rainfall events.**

**The sludge produced by the drying beds in Newport WWTP is very good. Unlike most WWTPs, drying beds are a success in Newport. Cake sludge with a minimum dry solids content of 20% is produced on a regular basis. This sludge is collected and composted by Quicksharp Ltd. at a facility in Cashel, Co. Tipperary. The finished compost is landspread on nearby farmland, subject to appropriate Nutrient Management Plans for individual farms. A sludge register is maintained.**

**The current WWTP is manned on a part-time basis by a caretaker. A supervisor also devotes a significant amount of time to it. An Executive Engineer is also involved in the management of this facility along with other wastewater facilities in the County. The Ultimate responsibility for Newport WWTP is North Tipperary County Council's Senior Engineer for Water Services. There is presently no full time staff at the WWTP.**

**The maintenance of the sewer network is carried out by Local authority Staff and by network contractors where necessary.**

**There is no drinking water abstraction from the River Mulcair or River Shannon downstream of Newport WWTP.**

**There are currently no licensed discharges into the Newport Agglomeration (Section 16 Water Pollution Act).**

**Screenings and grit and other solid waste from the WWTP are collected by licensed waste collectors and disposed of in licensed Landfills.**

**The Control/Administration Building includes**

- **Changing room**
- **Eating area.**
- **Store**
- **Toilet and shower**
- **Sink**
- **Control panel and chart recorders**
- **Administration area including desk and filing cabinets.**
- **Bunded Polymer dosing unit**

**The current plant has 4 monitoring points, one each at the inlets works (Grid reference E171290 N161583), the flume at the primary discharge point (E171202 N161556), one upstream at Portryan Bridge (Grid reference E171668 N161619) and one downstream of the primary discharge point at Ballymackeogh Bridge (Grid reference E170251 N161858).**

**None of these monitoring points have flow proportional or composite samplers on them. Any samples taken are grab samples. There are flowmeters at the influent and outlet flumes.**

**All the monitoring points have suitable safe access for the taking and collection of samples. All staff hold the Safe Pass Certificate.**

**For compliance purposes with the 1994 and 2001 Urban Wastewater Treatment Directive Regulations, All chemicals are stored in bunded chemical storage.**

**The WWTP does not have a standby diesel generator to ensure that any breakdown of the main power supply will not affect the operation of the Treatment Plant.**

**Noise and odour nuisance from the sewer infrastructure, pumping stations and WWTP is minimal.**

**SECTION B: GENERAL**

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

**B.1 Agglomeration Details**

**Name of Agglomeration:** Newport

**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.

<b>Name*:</b>	<b>North Tipperary County Council</b>
<b>Address:</b>	<b>Civic Offices</b>
	<b>Limerick Road</b>
	<b>Nenagh</b>
	<b>Co. Tipperary.</b>
<b>Tel:</b>	<b>067 44500</b>
<b>Fax:</b>	<b>067 31773</b>
<b>e-mail:</b>	<b>North Tipperary County Council</b>

\*This should be the name of the water services authority in whose ownership or control the waste water works is vested.

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

<b>Name*:</b>	<b>Mr. Jim McGuire, B.E.</b>
<b>Address:</b>	<b>Water Services Section, North Tipperary County Council,</b>
	<b>Civic Offices,</b>
	<b>Limerick Road,</b>
	<b>Nenagh, Co. Tipperary.</b>
<b>Tel:</b>	<b>067 44500</b>
<b>Fax:</b>	<b>067 31773</b>
<b>e-mail:</b>	<b>jmcguire@northtippcoco.ie</b>

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

**Co-Applicant's Details**

<b>Name*:</b>	<b>NOT APPLICABLE</b>
<b>Address:</b>	<b>NOT APPLICABLE</b>
	<b>NOT APPLICABLE</b>
	<b>NOT APPLICABLE</b>
	<b>NOT APPLICABLE</b>
<b>Tel:</b>	<b>NOT APPLICABLE</b>
<b>Fax:</b>	<b>NOT APPLICABLE</b>
<b>e-mail:</b>	<b>NOT APPLICABLE</b>

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

**Design, Build & Operate Contractor Details**

<b>Name*:</b>	<b>NOT APPLICABLE</b>
<b>Address:</b>	<b>NOT APPLICABLE</b>
	<b>NOT APPLICABLE</b>
	<b>NOT APPLICABLE</b>
<b>Tel:</b>	<b>NOT APPLICABLE</b>
<b>Fax:</b>	<b>NOT APPLICABLE</b>
<b>e-mail:</b>	<b>NOT APPLICABLE</b>

\*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.

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

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

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

<b>Name*:</b>	<b>Mr. Edward Treacy, B.E.</b>
<b>Address:</b>	<b>Newport Waste Water Treatment Plant,</b>
	<b>Portryan,</b>
	<b>Newport,</b>
	<b>Co. Tipperary.</b>
<b>Grid ref (6E, 6N)</b>	<b>E171239 N161578 (Centre of plant)</b>
<b>Level of Treatment</b>	<b>Preliminary and Secondary treatment</b>
<b>Primary Telephone:</b>	<b>067 44830</b>
<b>Fax:</b>	<b>067 31773</b>
<b>e-mail:</b>	<b>edward.treacy@northtippcoco.ie</b>

\*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.

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

**B.3 Location of Primary Discharge Point**

Give the location of the primary discharge point, as defined in the Waste Water Discharge (Authorisation) Regulation, associated with the waste water works.

<b>Type of Discharge</b>	<b>Open 300mm concrete pipe</b>
<b>Unique Point Code</b>	<b>NPPDP1</b>
<b>Location</b>	<b>Newport Waste Water Treatment Plant</b>
<b>Grid ref (6E, 6N)</b>	<b>E171201 N161544</b>

**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.

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

**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.

<b>Type of Discharge</b>	<b>NOT APPLICABLE</b>
<b>Unique Point Code</b>	<b>NOT APPLICABLE</b>
<b>Location</b>	<b>NOT APPLICABLE</b>
<b>Grid ref (6E, 6N)</b>	<b>NOT APPLICABLE</b>

**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.

**Newport WWTP has no secondary discharge point**

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

**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.

<b>Type of Discharge</b>	<b>Combined Sewer Network Overflow</b>
<b>Unique Point Code</b>	<b>IWSWO1</b>
<b>Location</b>	<b>At Inlet Works at Newport Waste Water Treatment Plant</b>
<b>Grid ref (6E, 6N)</b>	<b>E171294 N161581</b>
<p><b>This stormwater overflow occurs at the inlet works prior to the manually raked influent screen. This overflows to the Mulcair River through a 225mm concrete pipe with no flap valve at Grid Ref E171300 N161557.</b></p>	

<b>Type of Discharge</b>	<b>Combined Sewer Network Overflow</b>
<b>Unique Point Code</b>	<b>RCSWO1</b>
<b>Location</b>	<b>At Mulcair River Crossing, Mulkear View</b>
<b>Grid ref (6E, 6N)</b>	<b>E172344 N161987</b>
<p><b>This is a stormwater overflow which occurs at a point where a large sewage main crosses the River Mulcair on its route to Newport WWTP. The discharge overflows to the Mulcair River via a 300mm diameter pipe with no flap valve at Grid Ref E172343 N161983.</b></p>	

<b>Type of Discharge</b>	<b>Emergency Overflow at Murroe Road Pumping Station</b>
<b>Unique Point Code</b>	<b>MRSWO1</b>
<b>Location</b>	<b>Murroe Road pumping station, Newport, Co. Tipperary</b>
<b>Grid ref (6E, 6N)</b>	<b>E172356 N160722</b>
<p><b>This is an emergency overflow from the Murroe Road Pumping Station. It overflows to a small local stream via a 300mm diameter pipe equipped with a flap valve at Grid Ref E172381 N160725.</b></p>	

<b>Type of Discharge</b>	<b>Emergency Overflow at Portryan Pumping Station</b>
<b>Unique Point Code</b>	<b>PRSWO1</b>
<b>Location</b>	<b>Portryan pumping station, Newport, Co. Tipperary</b>
<b>Grid ref (6E, 6N)</b>	<b>E171648 N161591</b>
<p><b>This is an emergency overflow from the Portryan Pumping Station. It overflows to the Mulcair River via a 300mm diameter pipe equipped with a flap valve at Grid Ref E171645 N161591.</b></p>	

**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.

<b>Name:</b>	<b>North Tipperary County Council</b>
<b>Address:</b>	<b>Civic Offices</b>
	<b>Limerick Road</b>
	<b>Nenagh</b>
	<b>Co. Tipperary.</b>
<b>Tel:</b>	<b>067 44500</b>
<b>Fax:</b>	<b>067 31773</b>
<b>e-mail:</b>	<b>North Tipperary County Council</b>

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

<b><i>has been obtained</i></b>		<b><i>is being processed</i></b>	
<b><i>is not yet applied for</i></b>		<b><i>is not required</i></b>	√

**When Newport WWTP was constructed, Local authorities were not obliged to apply for planning permission for their own construction projects.**

<b>Local Authority Planning File Reference N<sup>o</sup>:</b>	
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**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.

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

**All Newport Discharges are located within the Shannon Free Airport Development Company (SFADCo.) area.**

B.7 (ii) Health Services Executive Region

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

<b>Name:</b>	<b>Mid-West Health Services Executive Region</b>
<b>Address:</b>	<b>31/33 Catherine Street, Limerick</b>
<b>Tel:</b>	<b>061 316655</b>
<b>Fax:</b>	
<b>e-mail:</b>	

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.

<b>Name:</b>	<b>NOT APPLICABLE</b>
<b>Address:</b>	<b>NOT APPLICABLE</b>
	<b>NOT APPLICABLE</b>
	<b>NOT APPLICABLE</b>
<b>Tel:</b>	<b>NOT APPLICABLE</b>
<b>Fax:</b>	<b>NOT APPLICABLE</b>
<b>e-mail:</b>	<b>NOT APPLICABLE</b>

<b>Relevant Authority Notified</b>	<b>Yes</b>	<b>No</b>
		<b>NOT APPLICABLE</b>

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

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

**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.

**North Tipperary County Council advertised its intention to make this application to the Agency by way of a Site Notice at the front door of the WWTP on the 13/2/2009 and also by advertising in the Local Newspapers of Newport The "Nenagh Guardian" and the "Limerick Leader" on Wednesday, 18 February 2009.**

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

**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.

<b>Population Equivalent</b>	<b>983</b>
<b>Data Compiled (Year)</b>	<b>2007</b>
<b>Method</b>	<b>Standard Method using Plant Inflow, BOD values and 60g of BOD per person per day.</b>

**This assessment of the population equivalent of the agglomeration was carried out in 2007 on dates in August 2007. The design capacity of Newport WWTP is 1800-2000 P.E.**

**In 2007, 3 composite influent samples were taken on 3 consecutive days in August 2007 and influent flow readings recorded for that day. Using the standard method of using plant inflow, BOD values and 60g of BOD per person per day, a BOD value was calculated for the influent sample on that day. 3 P.E. figures were calculated. This led to a range of BOD values from 800 P.E. to 1,205 P.E. An average value for the year was 983 P.E.**

**Further assessment is required to confirm current loading rates. Newport is a commuter town for nearby Limerick City resulting in large numbers of Newport's population being absent for much of the day. The design capacity of Newport WWTP is 1800-2000 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.

**North Tipperary County Council has made an estimate of 1200 P.E. where planning permission has been granted for developments, 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.**

**A significant proportion of these development planning applications are currently with An Bord Pleanala for decision.**

**Most of this development is residential housing (just under 60%) by private developers. The remainder is commercial or retail development (over 40%).**

**Improvements to the treatment plant could be installed quickly in the event of all of these developments being constructed. This would be done to ensure the treatment plant is not overloaded and the Newport WWTP would comply with the Urban Waste-Water Treatment Regulations.**

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**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.

<b>Class of waste water discharge</b>	<b>Fee (in €)</b>
<b>1,000 – 2,000 PE</b>	<b>15,000</b>

**This fee will be paid by North Tipperary County Council to the Agency via Electronic Fund Transfer as part of this application.**

<b>Appropriate Fee Included</b>	<b>Yes</b>	<b>No</b>
	√	

**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.

**Newport Agglomeration has been identified as priority area in relation to wastewater infrastructure development by North Tipperary County Council. The population equivalent of Newport is expected to increase of Newport Agglomeration in the medium to long term due to its easy access to Limerick City and the Shannon gateway area.**

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.

**To date, no correspondence resulting from a 63 Notice has been issued by the Agency in relation to Newport Waste Water Treatment Plant or Newport Agglomeration under the Environmental Protection Agency Acts, 1992 and 2003, as amended by Section 13 of Protection of the Environment Act, 2003. This section is not applicable to Newport agglomeration**

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.

**Not Applicable for Newport Agglomeration.**

<b>Attachment included</b>	<b>Yes</b>	<b>No</b> √
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**SECTION C: INFRASTRUCTURE & OPERATION**

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

**C.1 Operational Information Requirements**

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

**C.1.1 Storm Water Overflows**

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

- An assessment to determine compliance with the criteria for storm water overflows, as set out in the DoEHG '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.

**It is expected that the storm water overflow at the Lower River Crossing will be assessed in the coming years.**

**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.

**The Agglomeration has 2 No. Pumping Stations, one at Portryan, Newport (Grid Reference E171648 N161591) near the public road entrance to the WWTP and the other at Murroe Road, Newport (Grid reference E172356 N160722).**

**Each pumping station is equipped with 2 no. pumps (one duty, one standby). The capacity of the pumping stations can be increased by installing larger pumps when the need arises.**

**Both pumping stations have emergency overflows, Portryan discharges to the Mulcair at Grid Reference E171645 N161591. Murroe Road pumping station discharges to a small stream at Grid Reference E172381 N160725.**

**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.

**The Primary Discharge Pipe is an open concrete pipe of diameter 300mm and has no flap valve at its discharge point to The Mulcair River.**  
**The SWO at the inlet works is an open concrete pipe of diameter 300mm with no flap valve at its discharge point to The Mulcair River.**  
**The SWO at the Mulcair river crossing is a concrete pipe of 300 diameter with no flap valve**  
**The emergency overflow at Portryan pumping station is a 300mm diameter pipe with flap valve**  
**The emergency overflow at Murroe Road pumping station is a 300mm diameter pipe with flap valve**

**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
		√



## 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/](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/](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.

**Newport Agglomeration's Primary Discharge Point discharges into surface water (Mulcair River). The Agglomerations Stormwater and emergency overflows also discharge to surface water (Mulcair River). Monitoring of the characteristics of the primary discharge point emission has been done and the results are in Table D.1 (a), (b) and(c). No significant levels of Dangerous Substances were found.**

**Newport Agglomeration has no secondary discharge point.**

**Please find an Excel spreadsheet for Newport WWTP Plant influent data in Attachment D.1**

**Monitoring of the characteristics of the storm water or emergency overflow emissions has not been done, but it is expected that they would not differ from the WWTP influent characteristics in any significant way.**

**There was no monitoring for Newport plant influent in 2008, however 3 samples were taken in 2007. This is the most recent plant influent data.**

**Please find an Excel Spreadsheet for influent plant data in Attachment D.1**

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

Attachment included	Yes	No
	√	

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**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
NPPD P1	Primary discharge point	North Tipperary Co. Council	River	Mulcair	None	171201	161544
PRS WO1	Emergency Overflow from Portryan Pumping Station	North Tipperary Co. Council	River	Mulcair	None	171645	161591
MRS WO1	Emergency Overflow from Murroe Road Pumping Station	North Tipperary Co. Council	Stream		None	172381	160725
RCS WO1	Storm Water Overflow at River Crossing Mulkear View	North Tipperary Co. Council	River	Mulcair	None	172343	161983
IWSW O1	Storm Water Overflow at WWTP Inlet works	North Tipperary Co. Council	River	Mulcair	None	171300	161557

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

## 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/](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/](http://78.137.160.73/epa_wwd_licensing/).

**Newport agglomeration has 2 No. dedicated storm water overflows and 2 No. emergency overflows from pumping stations. North Tipperary County Council has no clear estimation of the quantity of waste water likely to be emitted from this overflow as there is no flowmeters on the SWOs or the pumping stations emergency overflows.**

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.

**Continuous flow monitoring is in place on the primary discharge point of Newport Agglomeration. There is continuous flow monitoring on the influent into the WWTP. There is a no flow proportional or composite sampler on the influent or effluent sampling point. Any samples taken are grab samples.**

**It is the goal of North Tipperary County Council to install composite sampling at all its wastewater facilities in the medium to long term period.**

**North Tipperary County Council's Central Water Laboratory, Coolbawn, Nenagh, Co. Tipperary determines if the Newport Wastewater Treatment Plant final effluent is complying with the Urban Waste water Treatment Regulations. Results of said sampling are available to Water Services staff through the EPA approved LabInfo Database Software System provided by the Local Government Computer Services Board.**

**In the future this information will be available on the PMS Database Software System. This data will ultimately be available to the public and other stakeholders via an internet website.**

**When any effluent samples fail any Urban Waste Water Treatment Regulations criteria, the Engineer and Caretaker responsible for the plant are notified normally by telephone and/or e-mail.**

**An investigation into the non-conformance will take place and corrective action taken if needed.**

## **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.

**All the wastewater plants in North Tipperary including Newport WWTP are monitored regularly. In 2008 final effluent, upstream and downstream samples are taken. No influent samples were taken in 2008.**

**In 2008 9 grab samples were taken of the final effluent, 3 grab samples were taken upstream of the primary discharge point and 3 grab samples were taken downstream.**

**See the Annual Waste Water Monitoring Plan in 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.

**Four sampling points currently exist in the Newport Agglomeration. They are:**

- **There is 1 No. plant influent sampling point.**
- **There is 1 No. plant effluent sampling point.**
- **1 No. upstream grab sample point**
- **1No. Downstream grab sample point.**

**The upstream and downstream sample points are located near bridges under which the Mulcair River flows. These sample points are safe, with easy ease of access. These are grab sampling points only and a telescopic grab sampler is used to collect samples.**

**Portable composite samplers are not used for upstream & downstream sample points as the area is quite rural and there is a risk of theft or damage by wild animals.**

**The influent and effluent points are located in the plant and are safe with easy ease of access.**

**These sampling points are part of North Tipperary County Council's Annual Wastewater Monitoring Plan.**

**At present access to the Wastewater Treatment Plant is normally given only to Council Staff or Contractors employed by the Council. The EPA, Fisheries Board or any official agencies are allowed access if they require it in order to fulfil their duties.**

**At present there have been no samples taken from the SWOs the pumping station emergency overflows, however the overflows are expected to have the same characteristics as the WWTP influent.**

**All sampling staff and the WWTP plant staff hold the Safe Pass Certificate.**

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

**Presently samples at Newport Wastewater Plant are routinely taken bimonthly. Samples are taken more often if plant staff require it, if there is an issue with plant effluent quality or for research purposes.**

The WWTP discharges 365 days a year. Water levels in the River Mulcair do vary a lot due to the fact that the Mulcair flows through a large upland catchment and river levels can become quite high during heavy rainfall events.

Presently samples at Newport Wastewater Plant are routinely taken once every two months. Samples are taken more often if plant staff require it, if there is an issue with plant effluent quality or for research purposes. The emergency overflows from the pumping stations and the SWOs are expected to be very similar in content to the plant influent received at the WWTP.

The WWTP discharges final effluent 365 days a year.

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

**Attachment E.2** should contain any supporting information.

**North Tipperary County Council's Water Laboratory successfully participates in:**

- The EPA's Annual Inter-laboratory Calibration Programme for a total of 14 chemical parameters. It has done so for many years.
- The Aqua-Check Microbiological Test Programme for 5 parameters.

The sub-contracted Laboratory, ELS Ltd, used to carry out the dangerous substances testing, is INAB accredited to ISO17025.

The analysis of samples taken by at the works by North Tipperary County Council's Water Laboratory is carried out in accordance with the most up to date edition of "Standard Methods for the Examination of Water and Wastewater" produced by the American Public Health Association(APHA); the American Water Works Association(AWWA) and the Water Environment Federation(WEF).

North Tipperary County Council's Water Laboratory has an annual maintenance and calibration plan in place for laboratory test instruments. Test instruments undergo quality control checks before samples are analysed. This includes testing the equipment against known standards and the use of control charts.

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	Upstream of primary discharge point	Sampling	171668	161619	yes
aSW1d	Downstream of primary discharge point	Sampling	170251	161858	yes
SW1	primary discharge point	Sampling	171201	161544	yes

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

**E.4 Sampling Data**

Regulation 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.

**North Tipperary County Council’s Water Laboratory monitors, takes and analyses samples from Newport WWTP as part of this Annual Wastewater Sampling Plan. It records all of the aforementioned analyses on Database Software Programme called “LabInfo”. An Excel Spreadsheet for Borrisoleigh Upstream (aSW1u), Downstream (aSW1d), Influent and Effluent (SW1) has been extracted from LabInfo and is included in Attachment E.4.**

**The routine sampling of the above sampling points usually analyses and records for the following parameters:**

**Influent and effluent**

**Parameter**

**Ammonia (N)**

**Units**

**mg/L**

Ammonium (NH <sub>4</sub> )	mg/L
Biological Oxygen Demand (BOD)	mg/L O <sub>2</sub>
Chemical Oxygen Demand (COD)	mg/L O <sub>2</sub>
Chloride	mg/L
Nitrates (NO <sub>3</sub> -N)	mg/L
Nitrites (NO <sub>2</sub> -N)	mg/L
Orthophosphate	mg/L
Orthophosphate as P	mg/L
pH	pH Units
Sulphate	mg/L
Suspended Solids	mg/L
Temperature	°C
Total Oxidised Nitrogen	mg/L
Total Phosphorus	mg/L

The same routine parameters are performed for upstream and downstream on the River Suir except an additional parameter, conductivity (µS/cm) is measured.

In the LabInfo format, all samples are numbered (for traceability purposes) and the following information is included in each sample to identify it.

- Entity Name
- Station Name
- Station Local Code
- Sample Purpose
- Sample lab code
- Sample date
- Completion date
- Easting (usually not completed)
- Northing (usually not completed)

In 2008, additional parameters were performed twice on the effluent, upstream and downstream samples for the purpose of this Licence Application together with normal routine parameter sampling. These parameters included:

<u>Parameter</u>	<u>Units</u>
Alkalinity	mg/L
Arsenic	µg/L
Atrazine	µg/L
Barium	µg/L
Boron	mg/L
Cadmium	µg/L
Chromium	µg/L
Conductivity on the effluent	µS/cm
Copper	µg/L
Cyanide	µg/L
Dichloromethane	µg/L
Dissolved/Emulsified Hydrocarbons/Minerals	µg/L
Dissolved Oxygen	% Saturation
Dissolved oxygen (Measurement)	mg/L
Fluoride	µg/L
Lead	µg/L
Mercury	µg/L
Nickel	µg/L

<b>Polycyclic Aromatic Hydrocarbons</b>	<b>µg/L</b>
<b>Phenols</b>	<b>µg/L</b>
<b>Selenium</b>	<b>µg/L</b>
<b>Simazine</b>	<b>µg/L</b>
<b>Toluene</b>	<b>µg/L</b>
<b>Total Nitrogen</b>	<b>mg/L</b>
<b>Total Organic Carbon</b>	<b>mg/L</b>
<b>Tributyltin</b>	<b>µg/L</b>
<b>Xylenes</b>	<b>µg/L</b>
<b>Zinc.</b>	<b>µg/L</b>

**The results show no significant amounts of Dangerous Substances.**

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

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## **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.**

**When Newport WWTP was built an EIS was not needed for the project. Therefore no cross reference can be made to any 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.

**Newport Agglomeration discharges into the Mulcair River at Portryan. Due to the excellent final effluent quality of Newport WWTP and the assimilative capacity of The Mulcair River, Newport Agglomeration does not make any significant adverse impact on the aquatic environment. The stormwater overflows and emergency overflows discharge to the Mulcair River. The assimilative capacity of the Mulcair River is more than adequate to absorb the wastewater constituents. The Agglomeration does not discharge to groundwater. Noise and odour emissions are regarded as being very minor.**

**In 2007, A Report was commissioned by North Tipperary County Council on the River Water Quality in North County. This report was carried out by the EPA Regional Water Laboratory, Kilkenny and was published in April 2008. The Mulcair River (Called the Newport River in the Report) was included in this report.**

**This report is one of many that have been published in relation to water quality of the Mulcair River and of North Tipperary's various rivers over the recent past. An annual report is published by North Tipperary County Council on River Water Quality in North Tipperary. The most recent was published in April 2008, containing 2007 results.**

**Biological quality ratings of North Tipperary's rivers in conducted once every 3 years. The most recent survey took place in 2005.**

**The biological quality rating for the Mulcair River, is the EPA approved Q-Rating scheme. This quality standards for rivers ranges from Q1-5,**



with Q5 being pristine unpolluted river and Q1 being grossly polluted river.

A monitoring point upstream of Newport Agglomeration on the Mulcair River is located at Rockvale Bridge near Newport, Co. Tipperary. This monitoring station is labelled Station No. 0200. This bridge is located just downstream of the intake for Newport Drinking Water Supply Plant. The Grid reference for the bridge is E171174 N163388.

A monitoring point downstream of Newport Agglomeration on the Mulcair River is located at Ballymackeogh Bridge. This monitoring station is labelled Station No. 0300. The Grid Reference for this point is E170251 N161858.

Both of these monitoring stations had a biological quality rating of Q4, which indicates that Newport Agglomeration does not have a significant adverse impact on the water quality of the Mulcair River. A rating of Q4 would indicate that the overall quality of the Mulcair River is good. The chemical parameters of the river also appear to be good. The colour of the river can be high at times of heavy rainfall and this is due to the fact that the Mulcair and its tributaries often rise and flow through mountainous terrain which often covered with blanket bog.

The Local Government (Water Pollution) Act, 1977, (Water Quality Standards for Phosphorus) Regulations, 1988, Third Schedule Part 1 identifies the quality standards for rivers, and their target ratings as outlined in the Table No.1 below:

**Table No.1**

Biological Rating/ Q Index	Quality	Minimum Index	Target	Q
4		4-5		

Using the above Table, for Newport Agglomeration, the minimum target rating to be achieved for Ballymackeogh Bridge is Q4-5.

Newport WWTP currently has no phosphate removal facilities although it is the goal of North Tipperary County Council to install phosphate removal facilities in all its wastewater treatment plants in the medium to long term.

It is also hoped that the River Mulcair at Newport would reach the standards for Salmonid Waters.

Assimilative capacity is available in terms of BOD, Ammonia and phosphate but relatively limited to achieve Q status of Q4-5.

It is hoped that the upstream water quality of the Mulcair may improve in the medium term due to changes in agricultural activities and lead to more assimilative capacity in the Mulcair.

This appears to be taking place due to

- changes in agricultural subsidies (decoupling) leading to less intensive livestock rates on land.
- less use of artificial fertiliser containing phosphates and nitrogen compounds due to higher prices for artificial fertiliser (this is due to high oil and gas prices).
- additional slurry capacity in farmyards due to lower stock numbers and farm waste management grants for new agricultural sheds and slurry storage units.
- Increased number of farmers in REPS, which encourages environmentally friendly farming, lower artificial fertiliser, better slurry management and the need for Nutrient Management Plans.

- **Increased cross-compliance checks by the Department of Agriculture and Food.**

**Flow data and assimilative capacity of the Mulcair River**

**The Mulcair rises in the Curreeny, Co. Tipperary, high in the Silvermines Mountain range. The dry weather flow in the Mulcair River at Rockvale is 0.05m<sup>3</sup>/sec. (Rockvale Bridge)**

**The 95 percentile flow is 0.11m<sup>3</sup>/sec. ( Rockvale Bridge)**

**The Mulcair River has adequate assimilative capacity for the discharges from Newport Agglomeration. The DWF flow in the Mulcair is more than 17 times the primary discharge dry weather flow.**

**There is no deterioration in the quality of the River once it passes Newport Agglomeration.**

- 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/](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.

**Currently one upstream monitoring point (aSW1u) at Portryan Bridge, Grid reference E171668 N161619 and one downstream (aSW1d) monitoring point at Ballymackeogh Bridge, Grid reference E170251 N161858 are used by North Tipperary County Council's Water Laboratory. The above Tables F.1(i)(a) & (b) have been completed for the primary discharge point (PDP) and upstream and downstream of the PDP.**

**There appears to be no significant adverse effect on The Mulcair River from Dangerous Substances due to the dilution effect of the River and also as these Dangerous substances are not found in significant amounts in the PDP effluent.**

- 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.

**Newport Agglomeration has no secondary discharge points.**

- 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.

**Newport Agglomeration does not have any groundwater discharges, its discharges only to surface water i.e. the Mulcair River. North Tipperary County Council does not intend to have any groundwater discharges from Newport Agglomeration so as to prevent groundwater pollution.**

- 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.

**The main polluting substances from Newport Waste Water Treatment Plant are the normal Ammonia, nitrates, phosphates, suspended solids, Biological Oxygen Demand and Chemical Oxygen Demand that one would expect from a residential town like Newport which has no heavy or chemical industries. Test results from samples taken at the primary discharge point have shown no significant levels of Dangerous Substances as defined in the Regulations.**

- 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.

**Newport WWTP discharges to The Mulcair River, which flows into the River Shannon near Lisnagry, Co. Limerick. The River Shannon is part of the Shannon Waterway, which ultimately flows into Shannon Estuary. It is extremely unlikely that Newport Agglomeration has or will have a significant effect on faecal coliform, salmonella or cryptosporidium in the receiving water environment due to the dilution factors of The Mulcair River and The River Shannon.**

**There are no abstraction points downstream of Newport agglomeration and no private or group schemes abstract from the Mulcair River.**

**At present Newport WWTP does not facilities such as chlorination or membrane filtration of the final effluent to reduce or kill coliforms, salmonella or protozoan pathogens.**

- o Indicate whether or not emissions from the agglomeration or any plant, methods, processes, operating procedures or other factors which affect such emissions are likely to have a significant effect on –
  - (a) a site (until the adoption, in respect of the site, of a decision by the European Commission under Article 21 of Council Directive 92/43/EEC for the purposes of the third paragraph of Article 4(2) of that Directive) –
    - (i) notified for the purposes of Regulation 4 of the Natural Habitats Regulations, subject to any amendments made to it by virtue of Regulation 5 of those Regulations,
    - (ii) details of which have been transmitted to the Commission in accordance with Regulation 5(4) of the Natural Habitats Regulations, or
    - (iii) added by virtue of Regulation 6 of the Natural Habitats Regulations to the list transmitted to the Commission in accordance with Regulation 5(4) of those Regulations,
  - (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/EEC<sup>1</sup> 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/EEC<sup>2</sup>.

<sup>1</sup>Council 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)

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

**The Mulcair River at this location is not designated as a sensitive or salmonid river, NHA, SPA, SAC or European Site. The discharges from the Agglomeration are unlikely to have a significant effect on the Mulcair River environment due to the assimilative capacity and dilution factors of The Mulcair River and The River Shannon.**

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

**Newport agglomeration does not cause any significant pollution over long distances or in the territory of other states, due to its small size, the excellent quality of its final effluent and the assimilative capacity of the Mulcair River and the River Shannon and also as it does not discharge significant dangerous substances.**

- o 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.**

**There has been no modelling of discharges from Newport agglomeration**

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 <sup>3</sup> /day	Point Code Provide label ID's	Distance Downstream in meters from Emission Point to Abstraction Point	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used

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

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

**Attachment F.2** should contain any supporting information.

**There are no immediate Drinking Water Abstraction Points downstream or downgradient of Newport Agglomeration. Water is abstracted from the Mulcair upstream of Newport Agglomeration at Ahane, Newport. Newport agglomeration discharges would have no effect on this abstraction.**

**There are no abstraction points downstream of Newport agglomeration and no private or group schemes abstract from the Mulcair River or downstream of its confluence with the River Shannon at Lisnagry, Co. Limerick.**

**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).

**North Tipperary County Council intends to operate the Newport Agglomeration in a way so that it does not contravene the above EU Directives.**

**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.

**Attachment G.2** should contain the most recent programme of improvements and any associated documentation requested under Section G.3 of the application.

**Under the Phosphorus Fourth implementation Report 2006 produced by North Tipperary County Council**

– Under Measure 1, One recommendation was that all new or upgraded plants would have the appropriate composite samplers and flowmeters. North Tipperary County Council intends to install composite meters on the influent and effluent sampling points in the short to medium term.

**Under Measure 4 – Catchment Management Groups.**

North Tipperary County Council is currently involved on the operational Management committee of the Shannon International River Basin District and the South Eastern River Basin District. These two catchments cover the entire county. Newport Agglomeration is located in the Shannon International River Basin District.

**Future plans/new directions under Measure 4:**

1. The council will continue to work closely with other authorities and RBD management committees to achieve good water quality.
2. The recommendations of the catchment projects in regard to all municipal, agricultural and industrial discharges will be implemented in accordance with the final report received.
3. A rationalisation of river monitoring stations is to be carried out.

**Under Measure 7 – Environmental Awareness.**

North Tipperary County Council appointed an Environmental Awareness Officer in May 2000. The Environment awareness officer informs and advises the public and local authority staff on issues relating to protection of the Environment including water quality and promoting the use of phosphate-free detergent.

The Councils Environment Section prepares a quarterly report for presentation to the Council. The Council's Planning Environment and Corporate Affairs SPC considers current environmental issues at its meetings.

The River Basin Districts have provided public information on the Water Framework Directive which is being disseminated by the Council

**Future plans/new directions under Measure 7:**

North Tipperary County Council will fully cooperate with the publicity campaigns of the River Basin District Management Systems. The Environmental Awareness Officer will also actively promote water quality as part of the education programmes for schools. North Tipperary County Council will continue to sponsor water quality awareness projects through the Environmental Partnership Fund, and also continues assisting with REPS courses for farmers.

The current treatment plant has no chemical phosphate removal facilities but the biological removal of phosphates is good. It is the goal of North Tipperary County Council to install phosphate removal facilities in all its wastewater treatment plants.

The Mulcair is not a designated Salmonid River under the EU Freshwater Fish Directive.

For many years North Tipperary County Council has commissioned the EPA Regional Water Laboratory in Kilkenny to carry out physio-chemical monitoring of North Tipperary's rivers including The River Mulcair. The sampling programme is designed so that stations on the River Mulcair are sampled regularly.

Biological monitoring is carried out on the Mulcair River as part of the EPA National River Monitoring Programme on a 3-yearly cycle.

Newport Agglomeration discharges to the Mulcair. The Mulcair and its tributaries are part of the Shannon International River Basin District (SIRBD). The SIRBD has established a management structure with the objective of achieving "Good Status" for waters in the catchment by 2015. This is part of the chief goals of the Water Framework Directive. North Tipperary County Council is an active participant in the Shannon Working Group. The SIRBD is based in Annacotty, Co. Limerick.

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.

The sewer network has been recently improved. Work such as Closed Circuit Television Vision (CCTV) surveys of the sewers is ongoing. CCTV surveys will assess the integrity of the new sewers and the integrity of older sewers so ascertain if they need to be replaced in the near future. This work is due to begin in the short term.

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.

**It is the goal of North Tipperary County Council to assess all storm water overflows in the short to medium term. North Tipperary County Council requires developers to separate foul and storm waters on new developments and is enforcing the requirements of sustainable urban drainage design to control storm water discharges for many years.**

**North Tipperary County Council are currently implementing a major investment programme, approved by the Department of the Environment, Heritage and Local Government and co-financed under the EU Cohesion Fund and the National Development Plan, which will upgrade the sewer networks and Wastewater Treatment plants in the main population centres and smaller towns of North Tipperary, including Newport 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
		✓

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**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.

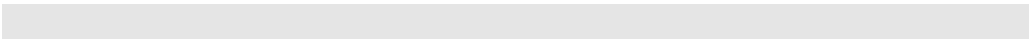
This consent relates to this application itself and to any further information or submission, whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

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

**Print signature name:** Marcus O'Connor

**Position in organisation:** Director of Services

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**SECTION I: JOINT DECLARATION**

**Joint Declaration** Note1

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.

**This section is not applicable for this application. North Tipperary County Council is the sole Water Services Authority for Newport Agglomeration.**

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NEWPORT DISCHARGE LICENCE MAPS & DRAWINGS CONTENTS:

B1: NEWPORT AGGLOMERATION

B2: NEWPORT W.W.T.P. LOCATION PLAN

B3: NEWPORT W.W.T.P. PRIMARY DISCHARGE POINT

B5A: NEWPORT W.W.T.P. INLET STORM WATER OVERFLOW

B5B: MURROE ROAD PUMPING STATION EMERGENCY OVERFLOW

B5C: PORTRYAN PUMPING STATION EMERGENCY OVERFLOW

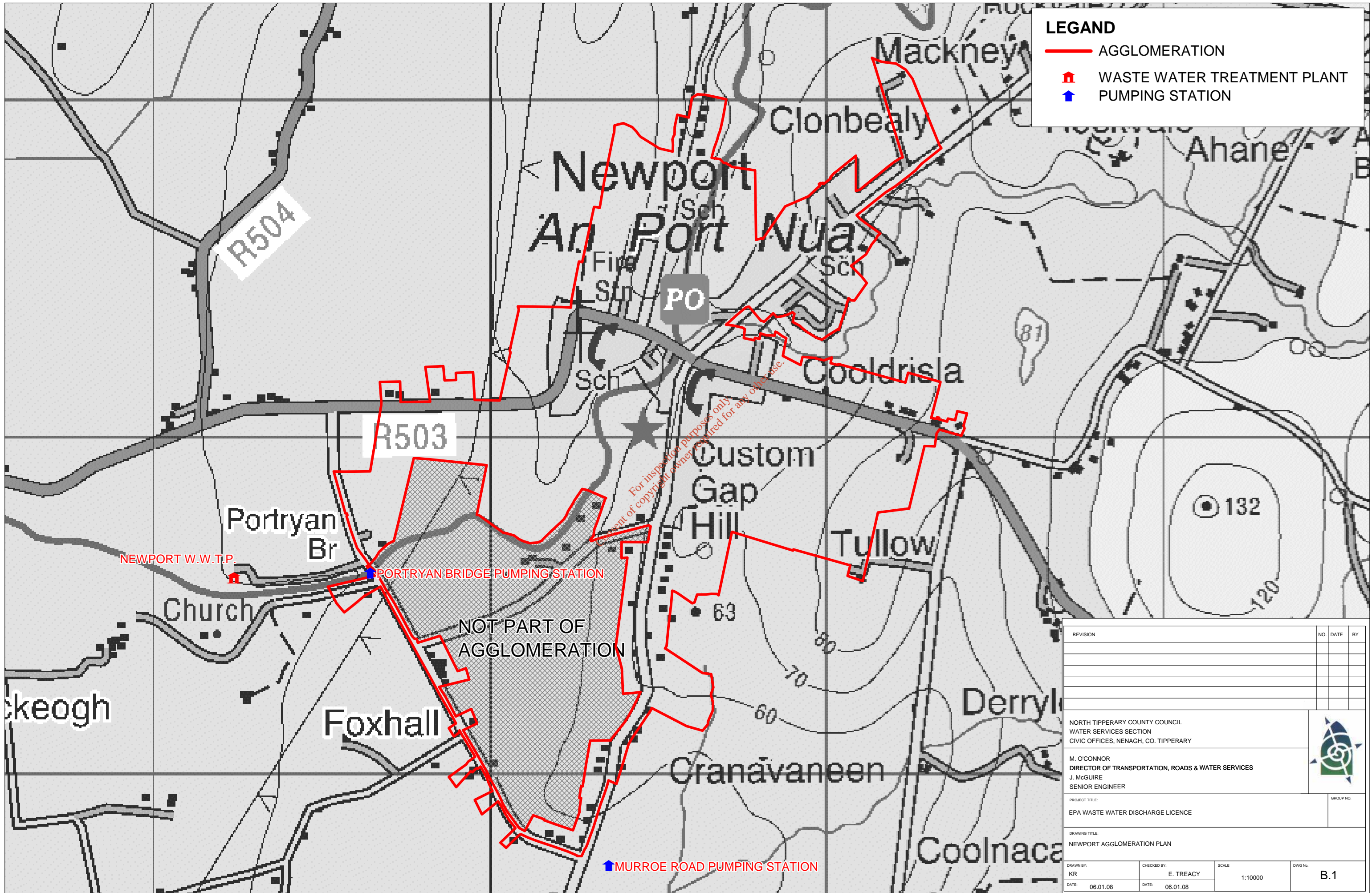
B5D: MULKEAR VIEW STORMWATER OVERFLOW

B8: NEWPORT SITE NOTICE LOCATION

C1A: NEWPORT W.W.T.P. SITE LAYOUT PLAN

C1B: NEWPORT W.W.T.P. PROCESS FLOW DIAGRAM

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**LEGEND**

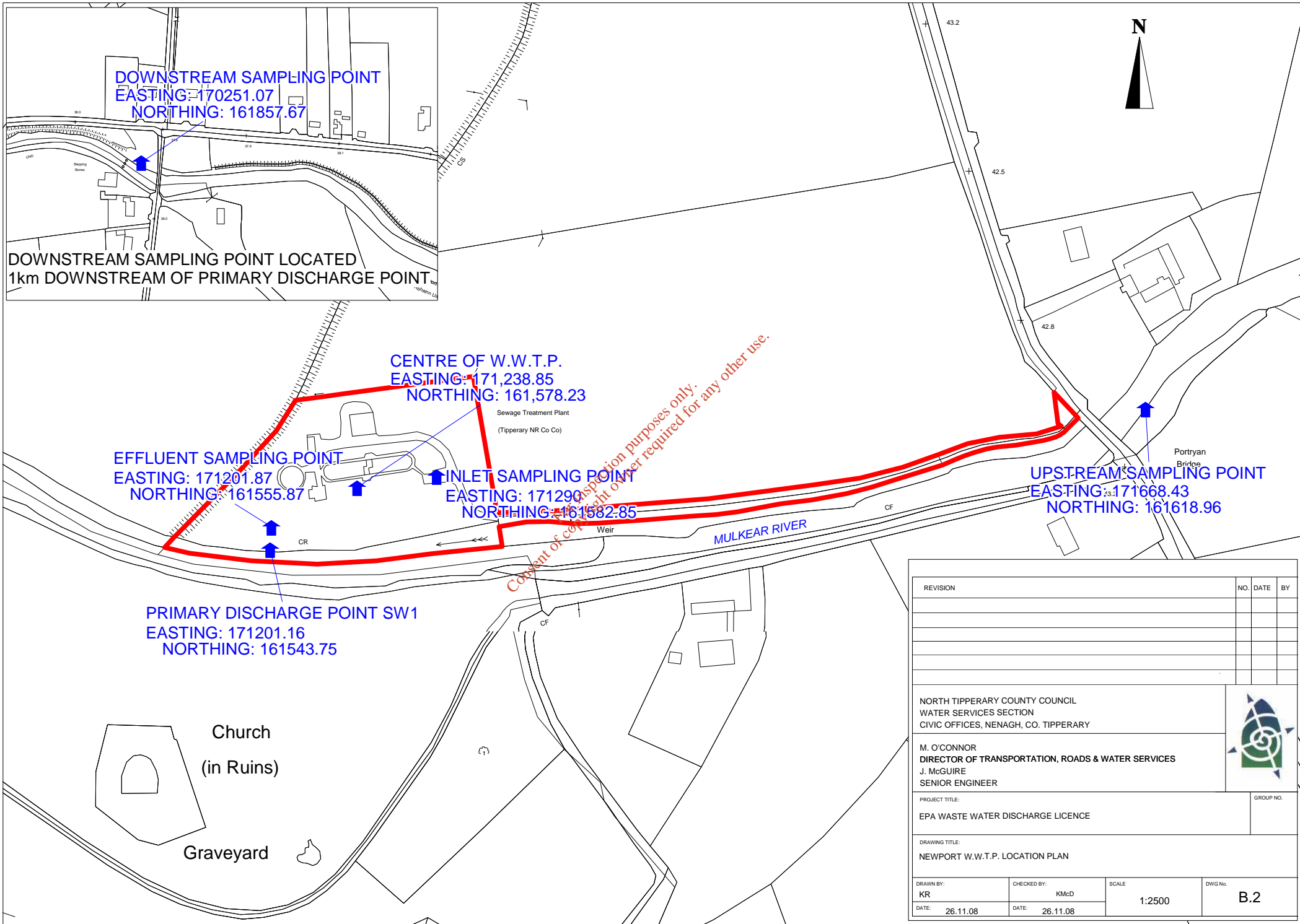
- AGGLOMERATION
- 🏠 WASTE WATER TREATMENT PLANT
- 🏠 PUMPING STATION

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REVISION	NO.	DATE	BY


  

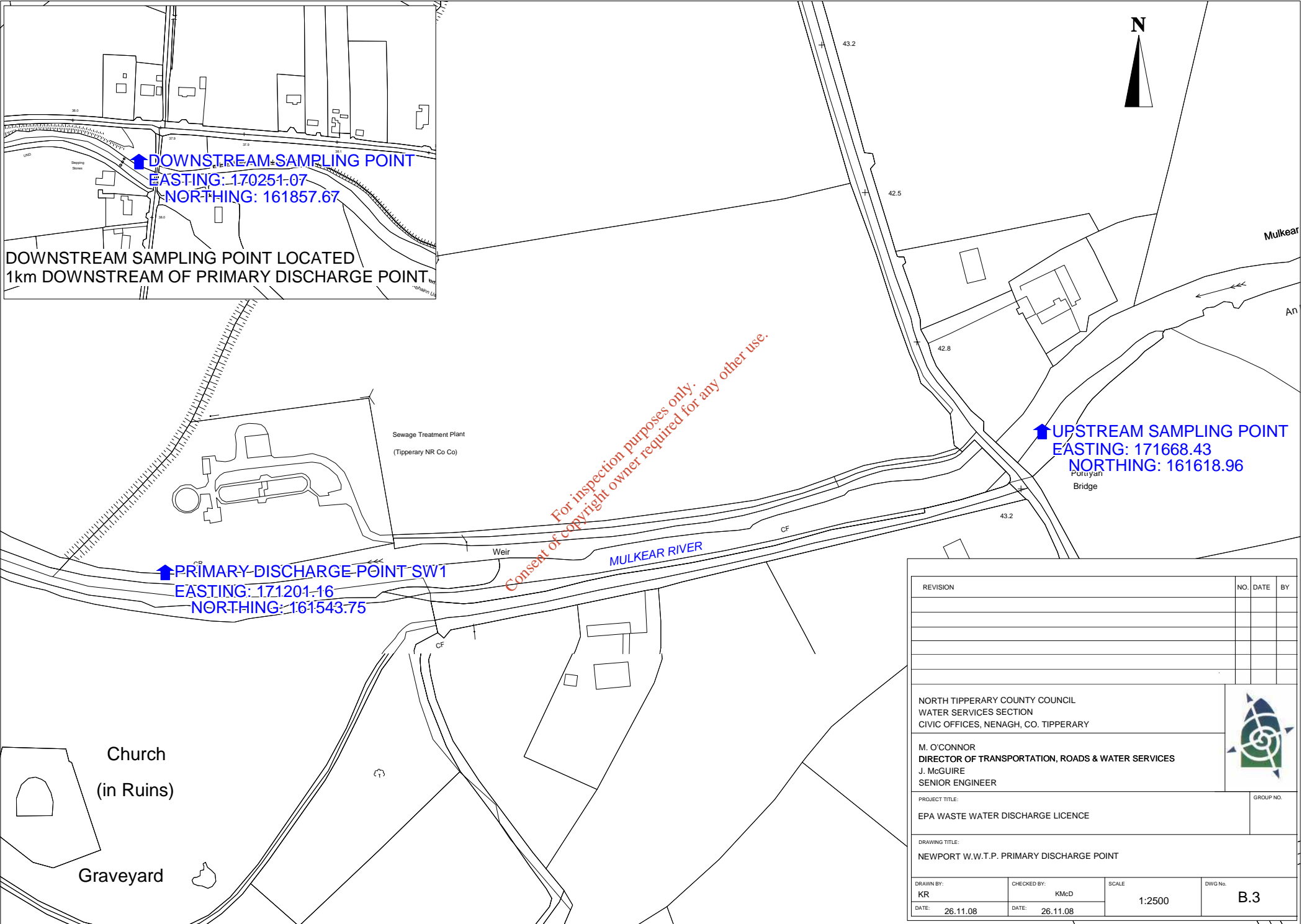
NORTH TIPPERARY COUNTY COUNCIL WATER SERVICES SECTION CIVIC OFFICES, NENAGH, CO. TIPPERARY		
M. O'CONNOR DIRECTOR OF TRANSPORTATION, ROADS & WATER SERVICES J. MCGUIRE SENIOR ENGINEER		
PROJECT TITLE: EPA WASTE WATER DISCHARGE LICENCE		GROUP NO.:
DRAWING TITLE: NEWPORT AGGLOMERATION PLAN		
DRAWN BY: KR	CHECKED BY: E. TREACY	SCALE: 1:10000
DATE: 06.01.08	DATE: 06.01.08	DWG No.: B.1



REVISION			NO.	DATE	BY

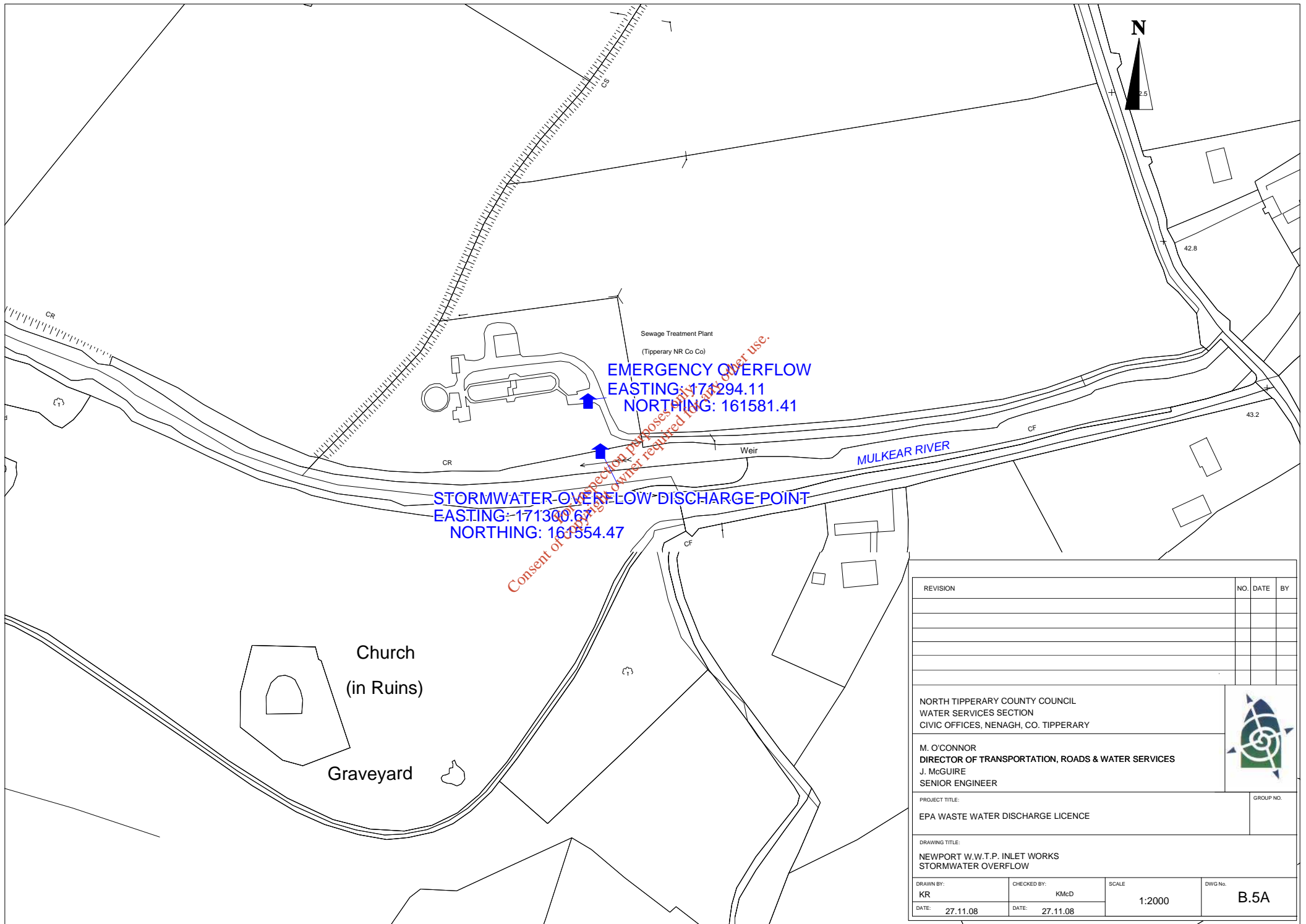
NORTH TIPPERARY COUNTY COUNCIL WATER SERVICES SECTION CIVIC OFFICES, NENAGH, CO. TIPPERARY		
M. O'CONNOR DIRECTOR OF TRANSPORTATION, ROADS & WATER SERVICES J. McGUIRE SENIOR ENGINEER		
PROJECT TITLE: EPA WASTE WATER DISCHARGE LICENCE		GROUP NO.
DRAWING TITLE: NEWPORT W.W.T.P. LOCATION PLAN		
DRAWN BY: KR	CHECKED BY: KMCD	SCALE: 1:2500
DATE: 26.11.08	DATE: 26.11.08	DWG No. B.2



REVISION	NO.	DATE	BY

NORTH TIPPERARY COUNTY COUNCIL WATER SERVICES SECTION CIVIC OFFICES, NENAGH, CO. TIPPERARY		
M. O'CONNOR DIRECTOR OF TRANSPORTATION, ROADS & WATER SERVICES J. MCGUIRE SENIOR ENGINEER		
PROJECT TITLE: EPA WASTE WATER DISCHARGE LICENCE		GROUP NO.
DRAWING TITLE: NEWPORT W.W.T.P. PRIMARY DISCHARGE POINT		
DRAWN BY: KR	CHECKED BY: KMCD	SCALE: 1:2500
DATE: 26.11.08	DATE: 26.11.08	DWG No. B.3



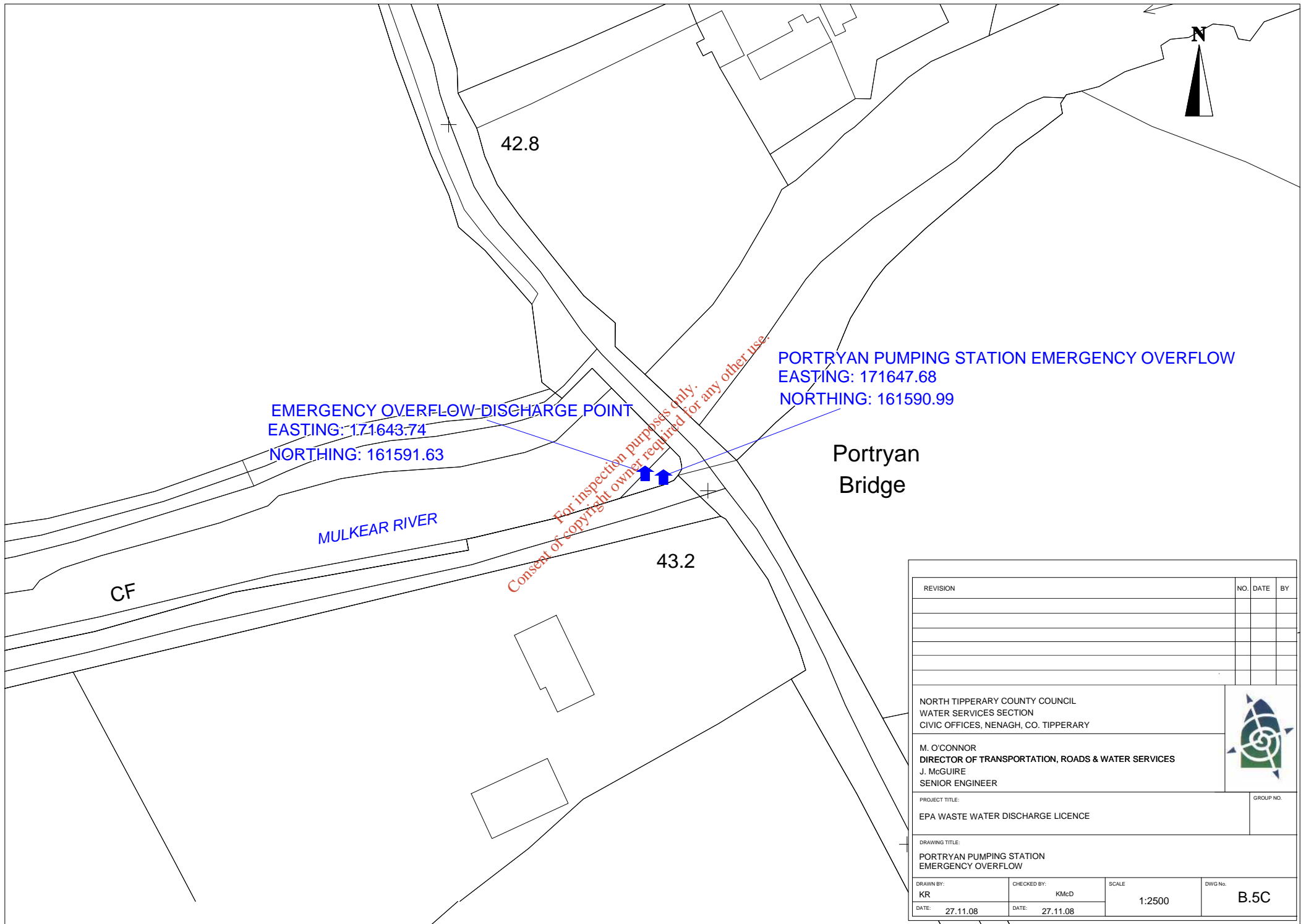
REVISION	NO.	DATE	BY

NORTH TIPPERARY COUNTY COUNCIL WATER SERVICES SECTION CIVIC OFFICES, NENAGH, CO. TIPPERARY		
M. O'CONNOR DIRECTOR OF TRANSPORTATION, ROADS & WATER SERVICES J. MCGUIRE SENIOR ENGINEER		
PROJECT TITLE: EPA WASTE WATER DISCHARGE LICENCE		
DRAWING TITLE: NEWPORT W.W.T.P. INLET WORKS STORMWATER OVERFLOW		GROUP NO.
DRAWN BY: KR	CHECKED BY: KMCD	SCALE: 1:2000
DATE: 27.11.08	DATE: 27.11.08	DWG No. B.5A








REVISION	NO.	DATE	BY

NORTH TIPPERARY COUNTY COUNCIL WATER SERVICES SECTION CIVIC OFFICES, NENAGH, CO. TIPPERARY		
M. O'CONNOR DIRECTOR OF TRANSPORTATION, ROADS & WATER SERVICES		
J. McGUIRE SENIOR ENGINEER		
PROJECT TITLE: EPA WASTE WATER DISCHARGE LICENCE		GROUP NO.
DRAWING TITLE: PORTRYAN PUMPING STATION EMERGENCY OVERFLOW		
DRAWN BY: KR	CHECKED BY: KMcD	SCALE 1:2500
DATE: 27.11.08	DATE: 27.11.08	DWG No. B.5C



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## PUBLIC NOTICES

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### TENDER

#### LIMERICK COUNTY COUNCIL

#### LANDSLIDE REMEDIAL WORKS AT VARIOUS LOCATIONS IN WEST LIMERICK

Limerick County Council wishes to invite applications from competent Contractors who wish to be included on a tender list for the completion of remedial works arising from a number of landslides which have occurred at various locations in West Limerick. The works will generally comprise of the clearance of sites and construction of Gabion basket retaining walls. **Further details may be obtained from the Public Sector Procurement Opportunities Website at [www.etenders.gov.ie](http://www.etenders.gov.ie) or on [www.lcc.ie](http://www.lcc.ie). Full details regarding these works are available from Michael Punch & Partners, Consulting Engineers, 97 Henry Street, Limerick, Ireland. Phone: 00353 61 313877 Fax: 00353 61 - 319071. email: [limerick@mp.ie](mailto:limerick@mp.ie).**

Completed submissions must be submitted in sealed envelopes marked "Submission for Landslide Remedial Works in West Limerick" and must be addressed to County Secretary or lodged in the Tender Box located in the Reception Area of Limerick County Council, County Hall, Dooradoyle, Co. Limerick, to arrive not later than 4.00 p.m. on Friday, 6th March 2009.

Limerick County Council is subject to the provisions of the Freedom of Information (FOI) Act 1997. If you consider that any of the information supplied by you is either commercially sensitive or confidential in nature, this should be highlighted and the reasons for its sensitivity specified. In such cases, the relevant material will, in response to FOI requests, be examined in the light of the exemptions provided for in the Act.



## job of the Week

### Accounts Assistant

Contract Position:

We are currently seeking to recruit an Accounts Assistant for the Financial Accounting Services department to cover maternity leave. Reporting to the Vice President, the main responsibilities associated with this role include, but are not limited to the following:

- Accurate and efficient processing and payment of large volumes of supplier invoices
- Creditor reconciliations
- Bank reconciliations
- Assistance with month end accounts
- Special projects as required.

The successful candidate will be proficient with MS Office and have excellent written and verbal communication skills.

We offer an attractive employment package with a competitive salary and excellent labour conditions. Please reply with Curriculum Vitae (including current remuneration details) to:

Niamh McCabe  
Senior Manager Human Resources  
AerCap Ireland Ltd.  
AerCap House  
Shannon  
Co. Clare  
Tel: +353 61 723663 Fax: +353 61 470563  
Email: [nmccabe@aercap.com](mailto:nmccabe@aercap.com) [www.aercap.com](http://www.aercap.com)

**About AerCap**  
AerCap is an integrated global aviation company with a leading market position in aircraft and engine leasing, trading and parts sales. We also provide aircraft management services and perform aircraft maintenance, repair and overhaul services and aircraft disassemblies. Our portfolio consists of over 300 aircraft and 70 engines. AerCap is headquartered in The Netherlands and has offices in Ireland, the United States, Singapore, China and the United Kingdom.

### AGRI. MACHINERY SALES PERSON REQUIRED

FOR LEADING TRACTOR AND MACHINERY DEALERSHIP

Agencies include: Kubota Tractors, Lely, Welger, Abbey, McHale, JF Stoll, Teagle, Allman, Hardi, Plantmec, Fleming, Vector, Bomford, Stautman, Quicke, Rossmore, Jonserved.

Due to continued expansion we require an experienced machinery field sales person. Candidates should have a number of years experience in a busy agri sales operation. Candidates must be hard working and interested in developing the business into the future.

Applicants must have a full clean drivers license.

Applications to:  
Mervyn Shorten Ltd.  
Church Road, Croom, Co. Limerick.  
Tel: 061-397588  
Fax: 061-397572 Mobile: 087-9500400

### VALIDATION MANAGER

BCD

Railway Road | Charleville | Co. Cork | Ireland  
[www.bcd.ie](http://www.bcd.ie)  
Tel: +353 (0)63 30200

Qualified with a science / engineering or related degree, and with at least three years' demonstrable experience in a GMP / FDA-related validation role, the successful candidate will be responsible for the validation of systems employed at BCD to deliver process equipment and services to the appropriate quality and regulatory standards. Leadership experience, a keen awareness of material and document traceability requirements and an understanding of PED, ATEX and ASME code compliance would be a distinct advantage.

A detailed description of the role, the skills required and principal duties are available on our website. The position is permanent full-time, and subject to a 6-month probationary period. Salary will be commensurate with experience and demonstrated ability. The role is primarily office-based, but periods of on-site work are a feature of our business.

Please apply with a CV by email to [HR@BCD.ie](mailto:HR@BCD.ie) on or before Friday 27th Feb 2009

### PEACE of MIND provided

In the current climate of companies closing down, banks on the verge of failing, solicitors being disbarred, liquidators receivers and examiners being appointed to long-standing and trusted businesses, let us just point out the following:

**We successfully collect Overdue Accounts**

ALL over Ireland and ALL over the whole world. Phone us and instantly talk to real people (not machines) who will go out of their way to help you solve YOUR particular situation. Phone Siobhán or Astling on (063) 91111 and do so right now TODAY.

Or consult our website at [www.ei.collect.com](http://www.ei.collect.com)

### Telesales Executives

both part time & full time on a temporary basis.

Telesales Executive role will focus on obtaining new customers & managing existing customers, working towards targets and ensuring our existing customers are happy with the service we provide.

- Ideally we require
- Excellent interpersonal skills with the ability to work well under pressure.
  - Have a pro-active sales approach to selling as well as a drive to close the sales and the ability to work under pressure.
  - Be goal orientated and have at least one year's sales experience; some formal sales training is preferred but not essential.
  - Experience with inbound & outbound calls
  - Target driven, with the ability to sell
  - Good communicator
  - Well organized and good attention to detail
  - Fluent written & verbal English
  - High standard of computer literacy
  - Ability to multi-task
  - Be a positive team player

### Comhairle Contae Thiobraid Árann Thuaidh

North Tipperary County Council

### APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE WATER DISCHARGE LICENCE

North Tipperary County Council, Civic Offices, Limerick Road, Nenagh, County Tipperary, is applying to the Environmental Protection Agency for Discharge License with respect to:

Newport Waste Water Treatment Plant, Portryan, Newport, Co. Tipperary. Grid Reference E171239 N161578 and effluent discharge at the same address.

This application is made in accordance with Waste Water Discharge (Authorisation) Regulations 2007, SI 684, 2007.

A copy of the application for a waste water discharge licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, shall, as soon as practicable, be available for viewing or purchase at: North Tipperary County Council, Civic Offices, Limerick Road, Nenagh and at the EPA Headquarters, PO Box 3000, Jobstown Castle Estate, Co. Wexford.

Submissions with respect to the above application may be made to the EPA at its headquarters within the timeframe set out in Clause 19 of the above Regulations.

Signed: Marcus O'Connor, Director of Services Roads, Transportation and Water Services.

Article Page 622 Website: [www.tipperarynorth.ie](http://www.tipperarynorth.ie)  
"Working with the Community"

### IN THE MATTER OF AN APPLICATION FOR FIRST REGISTRATION IN THE PROPERTY REGISTRATION AUTHORITY

PROPERTY  
Alms House, Nicholas Street, Limerick

APPLICANT  
Limerick City Council, City Hall, Merchants Quay, Limerick

APPLICATION REFERENCE  
D26091.R000458G

TAKE NOTICE  
That Limerick City Council aforesaid has applied to the Property Registration Authority by way of application for first registration in respect of the lands described above.

Received on  
2008



include S. Shanahan, Ray Sullivan, Donal Meagher.

had gathered to welcome Tipp FM had covered the start to finish so the atmosphere was electric. To thank the Gardaí, Tipp Marshal on the motorbike the actors, the people that pre-in the bail and for the use of all the many others that way to make this day a money from this event has collected and the amount 0.500 Euro. This money will the summer event and to up al needs school in Chervin.



Heenan, Geraldine

New Charity  
Funded Air  
Ambulance

A charity funded Air Ambulance serving all of Ireland is to fly in for a Launch on 16th 17th and 18th February. The Air Ambulance will be visiting in Cork, Tralee, Bunratty, and Tullamore, Baa and Wexford. Trustees and fundraisers are busy raising funds to ensure that this life saving service will be operational VERY SOON. The All Ireland Air Ambulance Trust needs to raise in excess of €82,000 per month to secure the first aircraft and start saving lives. It is planned to launch the first of the Air Ambulances as soon as funds are available and progress the service to cover the whole of Ireland. To enable the charity to achieve this they need to hear from volunteers who would be happy to join the team of fundraisers who are already actively fundraising. The charity has speakers who are happy to attend your local group or organisation and give a talk on the new All Ireland Air Ambulance, they are also happy to attend events and fundraising stalls. The Air Ambulance will

# Nenagh Hospital has "significant problems" - Lowry

By Simon O'Duffy

North Tipperary TD Michael Lowry has responded to criticism over his position on Nenagh hospital by outlining "significant problems" at the hospital, which he says must be reconfigured in line with the Teamwork Report.

In a comprehensive statement to this newspaper, Deputy Lowry said the hospital has again reached a critical juncture and that the decisions taken now will determine whether or not Nenagh hospital has a future.

He said he has consulted widely with the most important stakeholders in all aspects of the health service, professionals who have told him that the current system operating in small hospitals is costing lives.

"How can any politician ignore those statements?" Deputy Lowry asks.

"Listening to the one-sided debate about Nenagh hospital, it would be easy to get the impression that everything was perfect at present.

"Let me put on the record, Nenagh hospital in its current configuration has significant problems," he said. "Its surgical unit is inadequate for major elective surgery as it does not have the adequate recovery rooms, intensive care unit and anaesthetic systems required by modern day medical practice."

Deputy Lowry also noted that the Health Information and Quality Authority "put hospital management on notice that patient safety and infection prevention standards were not up to an acceptable level within the sterile services structure of the hospital. The sterile ser-

vices are located within the operating theatre.

"These operating theatres are in place since 1954. They are outdated, as well as structurally and clinically redundant. If they are not demolished and replaced, we will face an order for closure of the current surgical theatres."

Deputy Lowry said it was also recognised that the hospital did not have the range or diversity of clinical skills to cope effectively with or manage major trauma.

"In reaction to this reality a Trauma Bypass Protocol was put in place at the beginning of 2008," he said. "Nenagh hospital is now bypassed in the case of events such as major car crashes because it is deemed the existing surgical and backup facilities cannot cope."

"In the context of the Golden Hour," Deputy Lowry continued, "it should also be realised that under the present system, between the hours of 5pm and 8am, radiographers and lab technicians are not in the hospital and are only on call. This means that there is an inevitable delay of up to one hour when a critically ill patient arrives at the hospital."

"At present you have to wait for the radiographer and the lab technician to be called and arrive at the hospital before an x-ray can be completed or a blood analysis conducted.

"In short, I am saying that those leading the agitation for the existing system to be retained at Nenagh, are misinformed, misguided and putting patient care in jeopardy and the future of Nenagh hospital at risk," Deputy Lowry stated.

"Retaining the status quo

at Nenagh, without capital investment will lead to stagnation, unsafe standards and ultimate closure. Nenagh hospital needs investment to survive."

Deputy Lowry went on to state that towards this end he has secured a commitment from Health Minister Mary Harney that Nenagh's hospital will be developed in tandem and in conjunction with Limerick as part of an integrated plan for the Mid West region.

He further stated that the minister has given him a commitment that the capital works for Nenagh included in Deputy Lowry's agreement of support with the Taoiseach will be delivered.

"These multi-million euro projects, such as the new surgical theatres, the endoscopy and diagnostic units, will be included for funding under the Department of Health's Multi Annual Capital Programme, to be announced in the coming weeks," Deputy Lowry stated.

"The minister has undertaken to ensure the existing Cat Scanners at Nenagh General Hospital will be fully commissioned and staffed."

"The minister has committed to a significant enhancement of the ambulance service in the Midwest, through an increased out of hours ambulance cover.

"The minister fully appreciates the crucial role of advanced paramedics in the new structures. She has committed to the provision of an adequate number to cover North Tipperary.

"Day surgery and diagnostic facilities are to be extensively developed and easily accessible. The minister has also committed to

appoint eight additional hospital consultants to enable the delivery of these new services and specialities in Nenagh and Ennis hospitals."

Deputy Lowry pointed out that primary care teams have been or are being established in Nenagh, Thurles, Roscrea, Templemore, Ballina, Newport and Borrisokane, and added that a new medical assessment unit will be provided at Nenagh hospital.

"This will be accessible by a GP referral system. What this in effect means is that most of the patients currently treated at Nenagh, will continue to be treated there. There will be no reduction in the service provided to the public of North Tipperary requiring medical care," he assured.

Deputy Lowry praised the staff at Nenagh hospital and also reassured them of the safety of their positions. He added that there would be a significantly reduced reliance on locum positions to provide services and their replacement with full time staff for the region, ensuring that services would be delivered to the patient by people who lead and are established fully in their medical field.

"Limerick Regional is currently overcrowded and unable to cope with the influx of new patients," Deputy Lowry agreed.

"The minister has committed fully to the development and the expansion of this facility. This will lead to enormous improvement in the levels of comfort and care for the people of North Tipperary who will use Limerick in the future.

"Allied with this, the HSE is to develop a regional critical care service in



Independent TD, Michael Lowry

Limerick involving the provision of 29 new specialist intensive care, high dependency and coronary care beds, along with two emergency theatres. Again this will be of service to the people of North Tipperary," he said.

"The Teamwork report set out to put in place upgraded services to improve patient care to the patient in the most appropriate setting, based on the recommendations of medical staff, that is, doctors, nurses, consultants and

general practitioners," Deputy Lowry concluded.

"I am of the firm belief, that if the components of this report are not implemented in their totality, there is no future for Nenagh hospital and it will be allowed to whittle away and die.

"I believe that the people in North Tipperary know the extent of my commitment to them and their best interests. In that respect, this is the correct decision to best serve the people of my community."

Comhairle Contae Thiobraid Árann Thuaidh  
North Tipperary County Council

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE WATER DISCHARGE LICENCE

North Tipperary County Council, Civic Offices, Limerick Road, Nenagh, County Tipperary, is applying to the Environmental Protection Agency for Discharge Licence with respect to:

**Borrisokane Waste Water Treatment Plant, Town Park, Borrisokane, Co. Tipperary, Grid Reference E191039 N194060 and effluent discharge at the same address.**

This application is made in accordance with Waste Water Discharge (Authorisation) Regulations 2007, S.I. 684, 2007.

A copy of the application for a waste water discharge licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, shall, as soon as practicable, be available for viewing or purchase at North Tipperary County Council, Civic Offices, Limerick Road, Nenagh and at the EPA Headquarters, PO Box 3000, Johnstown Castle Estate, Co. Wexford.

Submissions with respect to the above application may be made to the EPA at its headquarters within the timeframe set out in Clause 19 of the above Regulations.

Signed: Marcus O'Connor, Director of Services Roads, Transportation and Water Services.

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**Newport Waste Water Treatment Plant, Portryan, Newport, Co. Tipperary, Grid Reference E171239 N161578 and effluent discharge at the same address.**

This application is made in accordance with Waste Water Discharge (Authorisation) Regulations 2007, S.I. 684, 2007.

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*Comhairle Contae Thiobraid Árann Thuaidh*  
**North Tipperary County Council**



**APPLICATION TO THE ENVIRONMENTAL PROTECTION  
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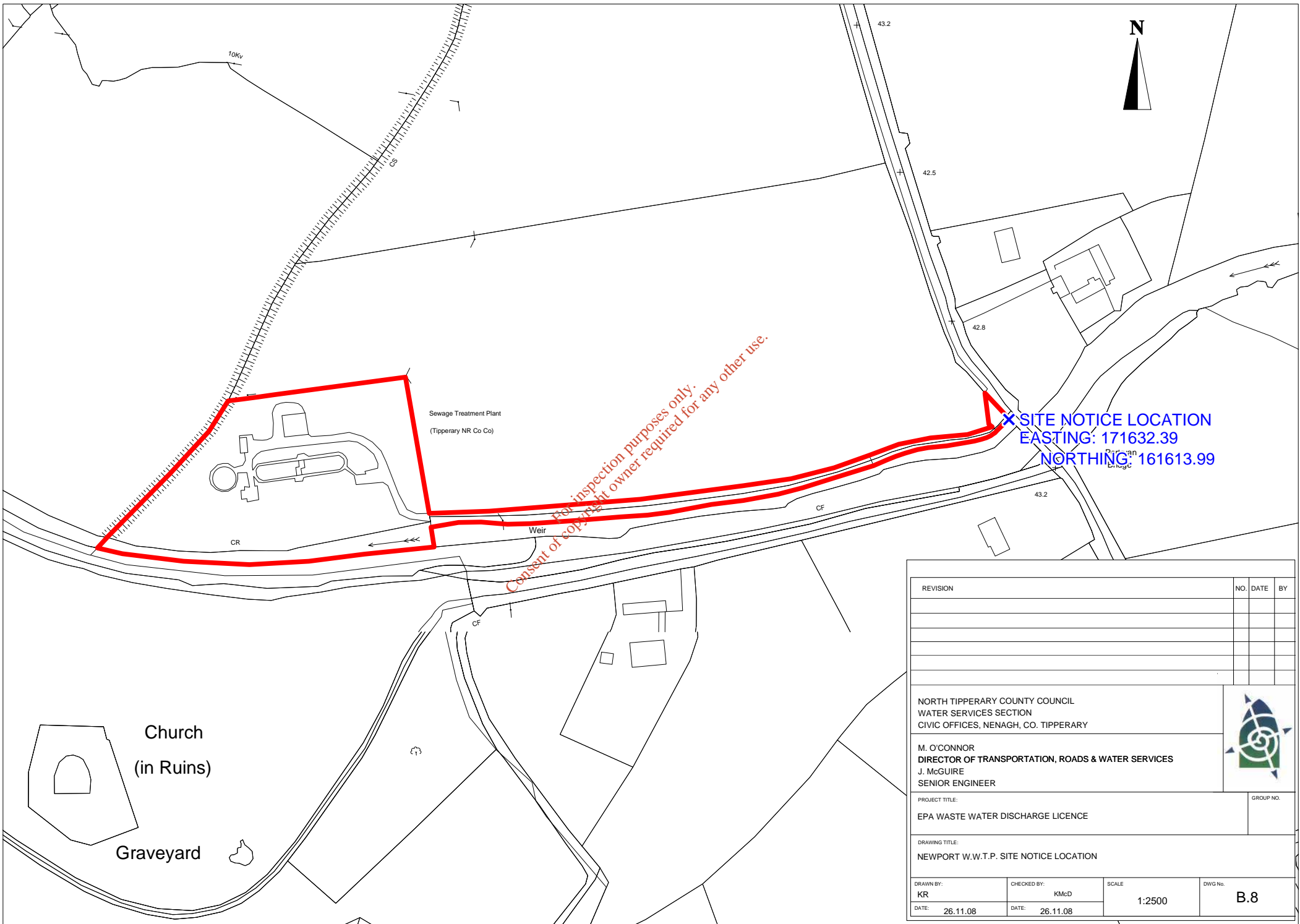
A copy of the application for a waste water discharge licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, shall, as soon as practicable, be available for viewing or purchase at **North Tipperary County Council, Civic Offices, Limerick Road, Nenagh and at the EPA Headquarters, PO Box 3000, Johnstown Castle Estate, Co. Wexford.**


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**Signed: Marcus O'Connor**  
**Director of Services**  
**Roads, Transportation and Water Services.**

Aertel Page 622

Website: [www.tipperarynorth.ie](http://www.tipperarynorth.ie)  
"Working with the Community"



REVISION			NO.	DATE	BY
NORTH TIPPERARY COUNTY COUNCIL WATER SERVICES SECTION CIVIC OFFICES, NENAGH, CO. TIPPERARY					
M. O'CONNOR DIRECTOR OF TRANSPORTATION, ROADS & WATER SERVICES J. MCGUIRE SENIOR ENGINEER					
PROJECT TITLE: EPA WASTE WATER DISCHARGE LICENCE					
DRAWING TITLE: NEWPORT W.W.T.P. SITE NOTICE LOCATION					
DRAWN BY: KR	CHECKED BY: KMCD	SCALE: 1:2500		DWG No. B.8	
DATE: 26.11.08	DATE: 26.11.08				

**NORTH TIPPERARY COUNTY COUNCIL**

**Water Services Section.**

**M E M O**

**TO:** Accounts Payable, Finance Section

**FROM:** Denise Laffan, Water Services

**RE:** EPA Invoice

**DATE:** 13<sup>th</sup> February, 2009

---


Please arrange to make payment of the sum of €45,000.00 to Environmental Protection Agency, PO Box 3000, Johnstown Castle Estate, Co. Wexford in respect of a Waste Water Discharge Licence Application for Borrissleigh, Borrissokane and Newport. The Supplier ID, Purchase Order No. and GRN No. are quoted hereunder. I attach copy of Invoice for payment.

Supplier ID: 588939

Purchase Order No. 400095669

Grn No: 500105705

Thanking you,



---

**Denise Laffan,  
Water Services.**



Water Services

Environmental Protection Agency,  
P.O. Box 3000,  
Johnstown Castle Estate,  
Co. Wexford.

18<sup>th</sup> February, 2009

A Chara,

Please be advised that payment of €45,000.00 is to be processed by Electronic Fund Transfer (EFT) in respect of licensing applications for Borrisoleigh, Borrisokane and Newport Agglomerations.

The Purchase Order Number raised for the above amount is 400095669.

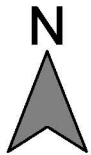
If you have any queries in relation to the above, please do not hesitate to contact these offices.

Yours faithfully,

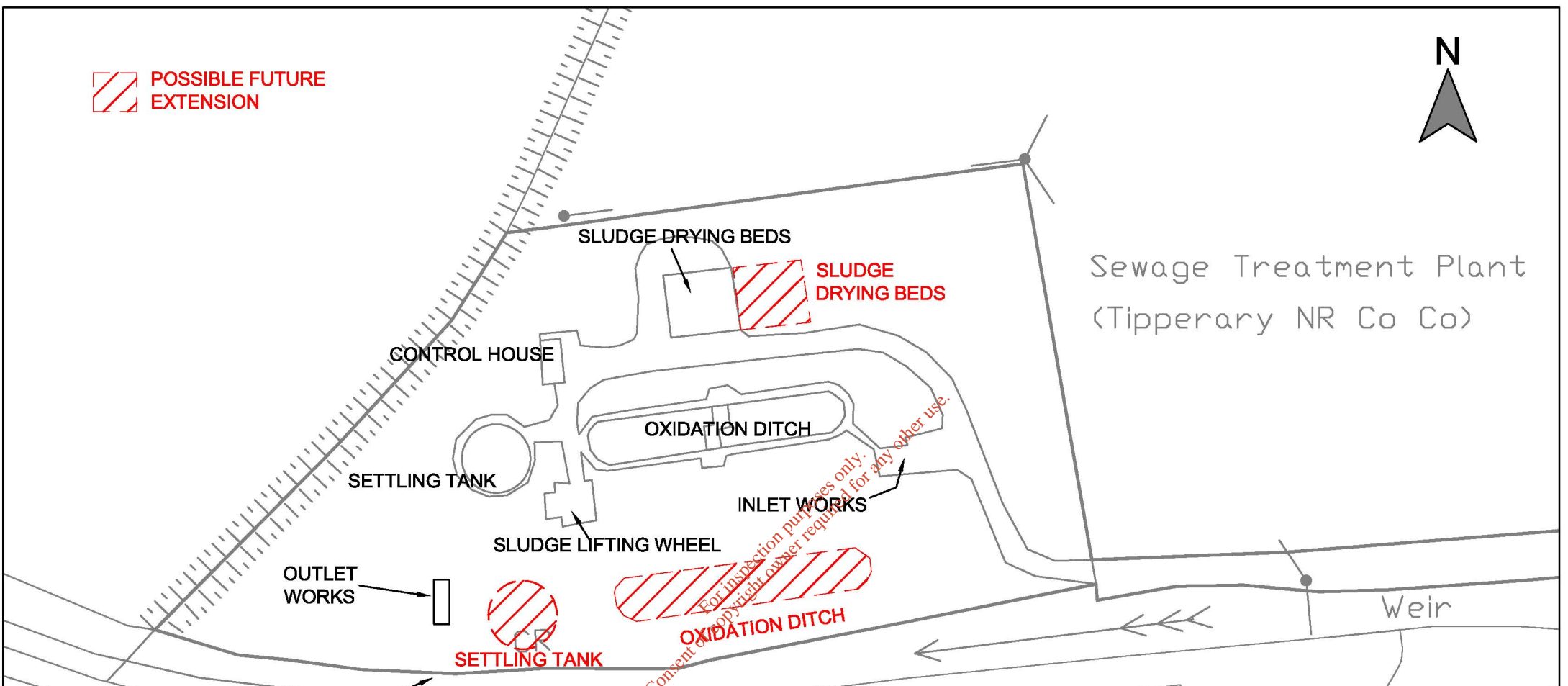
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**for Director of Services**

 POSSIBLE FUTURE EXTENSION



# Sewage Treatment Plant (Tipperary NR Co Co)



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REVISION	NO.	DATE	BY

NORTH TIPPERARY COUNTY COUNCIL  
WATER SERVICES SECTION  
CIVIC OFFICES, NENAGH, CO. TIPPERARY

M. O'CONNOR  
DIRECTOR OF TRANSPORTATION, ROADS & WATER SERVICES  
J. McGUIRE  
SENIOR ENGINEER

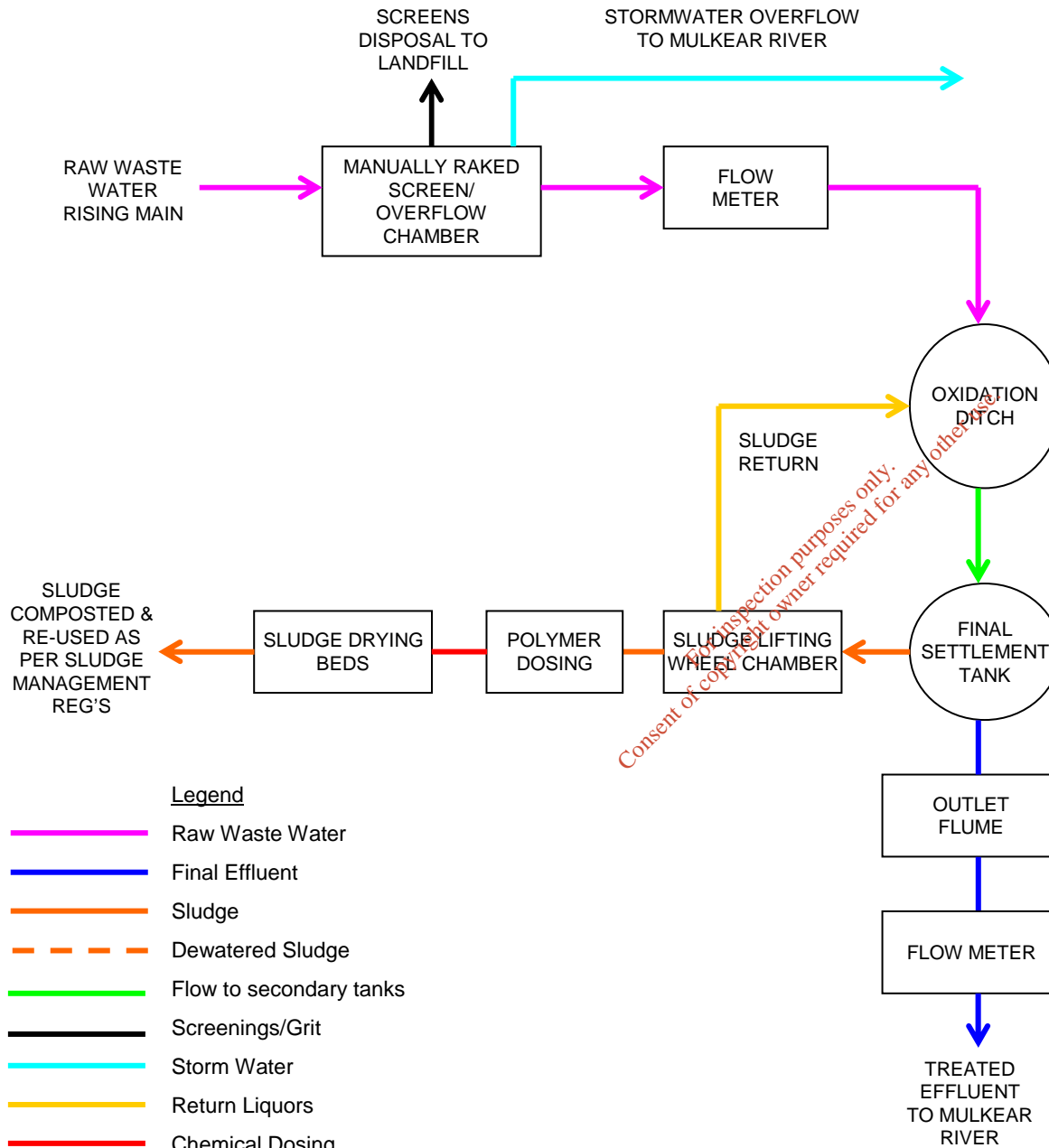


PROJECT TITLE: E.P.A. WASTEWATER PROJECT

GROUP NO.

DRAWING TITLE: NEWPORT W.W.T.P. SITE LAYOUT PLAN

DRAWN BY: K.R.	CHECKED BY: KMCD	SCALE: 1:1000	DWG No. C.1A
DATE: 02.12.08	DATE: 02.12.08		



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Legend

- Raw Waste Water
- Final Effluent
- Sludge
- Dewatered Sludge
- Flow to secondary tanks
- Screenings/Grit
- Storm Water
- Return Liquors
- Chemical Dosing

NORTH TIPPERARY COUNTY COUNCIL WATER SERVICES SECTION CIVIC OFFICES, NENAGH, CO. TIPPERARY		
M. O'CONNOR DIRECTOR OF TRANSPORTATION, ROADS & WATER SERVICES J. MCGUIRE SENIOR ENGINEER		
PROJECT TITLE: EPA WASTE WATER DISCHARGE LICENCE		
DRAWING TITLE: NEWPORT W.W.T.P. PROCESS FLOW DIAGRAM		
DRAWN BY: KR	CHECKED BY: KMcd	SCALE: N.T.S.
DATE: 06.01.09	DATE: 06.01.09	DWG NO: <b>C.1B</b>

EntityName	StationName	SamplePurpose	SampleLabCode	SampleDate	Ammonia as (N) mg/L	Ammonium (NH4) mg/L
Newport STP	Newport STP influent	Discharge Monitoring - TP Influent	07470500	28/08/2007	31.96	41.08
Newport STP	Newport STP influent	Discharge Monitoring - TP Influent	07470510	29/08/2007	36.92	47.46
Newport STP	Newport STP influent	Discharge Monitoring - TP Influent	07470517	30/08/2007	40.4	51.93

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

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SampleDate	BOD mg/L O2	Chemical Oxygen Demand mg/L O2	Chloride	Flow Daily	Nitrates (NO3-N) mg/l	Nitrites (NO2-N) mg/L	Ortho-phosphate mg/L
28/08/2007	231	582	58.54	313	BLD	0.02	20.37
29/08/2007	235	520	61.94	241	BLD	0.03	18.52
30/08/2007	189	503	59.06	254	BLD	0.02	19.9

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SampleDate	Ortho-phosphate as P mg/L	pH Units	Sulphate mg/l	Suspended Solids mg/l	Temperature ° Celsius	Total Oxidised Nitrogen mg/L
28/08/2007	6.64	7.54	74.53	256	17.9	BLD
29/08/2007	6.04	7.56	72.11	166	19	BLD
30/08/2007	6.5	7.56	67.97	191	18.3	0.01

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SampleDate	Total Phosphorus as P mg/L
28/08/2007	9
29/08/2007	8.2
30/08/2007	8.7

the symbol - means <

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PT_CD	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	DESIGNATION	EASTING
NPPDP1	Primary discharge point	North Tipperary Co. Council	River	Mulcair	None	171201
PRSWO1	Emergency Overflow from Portryan Pumping Station	North Tipperary Co. Council	River	Mulcair	None	171645
MRSWO1	Emergency Overflow from Murroe Road Pumping Station	North Tipperary Co. Council	Stream		None	172381
RCSWO1	Storm Water Overflow at River Crossing Mulkear View	North Tipperary Co. Council	River	Mulcair	None	172343
IWSWO1	Storm Water Overflow at WWTP Inlet works	North Tipperary Co. Council	River	Mulcair	None	171300

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NORTHING	VERIFIED
161544	y
161591	y
160725	y
161983	y
161557	y

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Roscrea STP - U/S & D/S samples @ 100 m
Menagh STP - D/S sample @ 200 m d/s Kyleeragh Bridge
Test Menagh & Roscrea U/S & D/S samples for D.O. on-site

Fats, Oils & Greases
E. Coli

Dangerous Substances Sampling
Metals & Organic Compounds

STEDS requires:- 1) weekly composite samples
2) Total & Ortho Phosphorous Tests

Rev 2 (9th Jan. '09)

Table with columns for months (Jan-Dec), parameters (in, eff, u/s, d/s), and various sites categorized under Wastewater Plants, Section 16, and Section 4.

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### Newport Attachment E.3

PT_CD	PT_TYPE	MON_TYPE	EASTING	NORTHING	VERIFIED
aSW1u	Upstream of primary discharge point	Sampling	171668	161619	yes
aSW1d	Downstream of primary discharge point	Sampling	170251	161858	yes
SW1	primary discharge point	Sampling	171201	161544	yes

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Newport Attachment E.3


For inspection purposes only.  
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EntityName	StationName	SamplePurpose	SampleLabCode	SampleDate	Alkalinity mg/L
Newport STP	Newport STP final effluent	Discharge Monitoring - TP Effluent	0847005	08/01/2008	
Newport STP	Newport STP final effluent	Discharge Monitoring - TP Effluent	08470161	19/03/2008	
Newport STP	Newport STP final effluent	Discharge Monitoring - TP Effluent	08470253	08/05/2008	
Newport STP	Newport STP final effluent	Discharge Monitoring - TP Effluent	08470259	21/05/2008	201
Newport STP	Newport STP final effluent	Discharge Monitoring - TP Effluent	08470387	26/06/2008	
Newport STP	Newport STP final effluent	Discharge Monitoring - TP Effluent	08470441	30/07/2008	
Newport STP	Newport STP final effluent	Discharge Monitoring - TP Effluent	08470505	28/08/2008	
Newport STP	Newport STP final effluent	Discharge Monitoring - TP Effluent	08470678	30/10/2008	
Newport STP	Newport STP final effluent	Discharge Monitoring Dangerous Substances - Effluent	08470627	16/10/2008	

the symbol - means <

**BLD means below the limit of detection**

**NT=Not Tested**

**RNV=Result Not Valid**

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SampleDate	Ammonia as (N) mg/L	Ammonium (NH4) mg/L	Arsenic µg/L	Atrazine µg/L	Barium µg/L	BOD mg/L O2	Boron mg/L	Cadmium µg/L
08/01/2008	0.518	0.666				2		
19/03/2008	0.44	0.56				4		
08/05/2008	20.94	26.92				6		
21/05/2008	4.81	6.18	-2	-0.01	73.9	1	<-20	-1
26/06/2008	0.39	0.5				4		
30/07/2008	18.02	23.16				6		
28/08/2008	0.158	0.203				5		
30/10/2008	0.97	1.24				5		
16/10/2008	0.183	0.236	-2	-0.01	118	3	<-200	-1

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SampleDate	Chemical Oxygen Demand mg/L	Chloride mg/L	Chromium µg/L	Conductivity @ 20°C µ	Copper µg/L	Cyanide µg/L	Dichloromethane µg/L
08/01/2008	1	39.72					
19/03/2008	14	44.65					
08/05/2008	30	48.89					
21/05/2008	16	52.12	110.6	675	-30	-5	-5
26/06/2008	23	44.59					
30/07/2008	34	41.9					
28/08/2008	24	36.55					
30/10/2008	24	27.05					
16/10/2008	12	23.32	-10	420	-30	-5	-5

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SampleDate	Diss/Emulsified Hydrocarbons/Minrl Oils mg/L	Dissolved Oxygen % Saturation	Dissolved Oxygen (Measurement) mg/L	Fluoride µg/L
08/01/2008				
19/03/2008				
08/05/2008				
21/05/2008	NT	54.2	5.2	-100
26/06/2008				
30/07/2008				
28/08/2008				
30/10/2008				
16/10/2008			5.56	<-100

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SampleDate	Hardness mg/L	Lead µg/L	Mercury µg/L	Nickel µg/L	Nitrates (NO3-N) mg/L	Nitrites (NO2-N) mg/L	Ortho-phosphate mg/L
08/01/2008					9.33	0.83	6.4
19/03/2008					2.03	0.36	8.78
08/05/2008					0.26	0.26	2.91
21/05/2008		-3	-0.2	-5	7.37	2.14	1.36
26/06/2008					15.27	0.97	12.45
30/07/2008					BLD	0.06	RNV
28/08/2008					16.52	0.19	9.65
30/10/2008					11.9	0.03	4.96
16/10/2008	198	-3	-0.2	-5	10.1	0.38	5.04

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Ortho-phosphate as P mg/L	PAH (Polycyclic Aromatic Hydrocarbons) µg/L	pH Units	Phenols µg/L	Selenium µg/L	Simazine µg/L
08/01/2008	2.09		8.32			
19/03/2008	2.86		7.62			
08/05/2008	0.95		7.62			
21/05/2008	0.44	-0.01	7.65	-0.5	-2	-0.01
26/06/2008	4.06		7.58			
30/07/2008	RNV		7.7			
28/08/2008	3.15		7.46			
30/10/2008	1.62		7.65			
16/10/2008	1.64	<-0.01	7.45	23	-2	-0.01

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Sulphate mg/L	Suspended Solids mg/L	Temperature ° Celsius	Toluene µg/L	Total Nitrogen mg/L	Total Organic Carbon (C) mg/L
08/01/2008	38.9	14.8	8.2			
19/03/2008	50.26	6.4	9.4			
08/05/2008	59.6	6	16.6			
21/05/2008	64.67	4	14.8	-0.1	17	NT
26/06/2008	52.37	4.4	12			
30/07/2008	45.83	7.6	19.2			
28/08/2008	47.09	7.2	17.6			
30/10/2008	32.46	7.6	10			
16/10/2008	35.02	6.4	7	-0.1	14	

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Total Oxidised Nitrogen mg/L	Total Phosphorus as P mg/L	Tributyltin µg/L	Xylenes µg/L	Zinc µg/L
08/01/2008	10.17	2.28			
19/03/2008	2.38	2.88			
08/05/2008	0.52	1.08			
21/05/2008	9.51	0.44	-0.02	-0.1	34.7
26/06/2008	16.24	4.25			
30/07/2008	BLD	0.6			
28/08/2008	16.71	3.45			
30/10/2008	11.94	1.92			
16/10/2008	10.48	1.64	-0.02	-0.1	-10

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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EntityName	StationName	SamplePurpose	SampleLabCode
Newport STP	Newport STP downstream ~100m (Newport River)	Discharge Monitoring - TP Downstream	08470261
Newport STP	Newport STP downstream ~100m (Newport River)	Discharge Monitoring - TP Downstream	08470389
Newport STP	Newport STP downstream ~100m (Newport River)	Discharge Monitoring Dangerous Substances - Downstream	08470629

the symbol - means <

**BLD means below the limit of detection**

**NT=Not Tested**

**RNV=Result Not Valid**

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SampleDate	CompletionDate	Alkalinity mg/L	Ammonia as (N) mg/L	Ammonium (NH4) mg/L	Arsenic µg/L	Atrazine µg/L	Barium µg/L	BOD mg/L O2
21/05/2008	20/10/2008	127	0.032	0.041	0.3	-0.01	281.5	1
26/06/2008	20/10/2008		0.034	0.044				2
16/10/2008	19/12/2008		0.003	0.004	-2	-0.02	140	1

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Boron mg/L	Cadmium µg/L	Chemical Oxygen Demand mg/L	Chloride mg/L	Chromium µg/L	Conductivity @ 20°C µS/cm	Copper µg/L
21/05/2008	<-20	-0.1	5	14.48	-1	259	-3
26/06/2008			19	12.27		136	
16/10/2008	<-200	-1	8	11.09	-10	156	-30

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Cyanide µg/L	Dichloromethane µg/L	Diss/Emulsified Hydrocarbons/Minrl Oils mg/L	Dissolved Oxygen % Saturation
21/05/2008	-5	-5	NT	114
26/06/2008				
16/10/2008	-5	-5		

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Dissolved Oxygen (Measurement) mg/L	Fluoride µg/L	Hardness mg/L	Lead µg/L	Mercury µg/L	Nickel µg/L
21/05/2008	12.3	-100		-0.3	0.02	2.7
26/06/2008						
16/10/2008	8.34	<-100	119	-3	-0.2	-5

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Nitrates (NO3-N) mg/L	Nitrites (NO2-N) mg/L	Ortho-phosphate mg/L	Ortho-phosphate as P mg/L
21/05/2008	0.58	0.01	0.14	0.05
26/06/2008	0.37	BLD	0.05	0.02
16/10/2008	0.53	BLD	0.05	0.02

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	PAH (Polycyclic Aromatic Hydrocarbons) µg/L	pH Units	Phenols µg/L	Selenium µg/L	Simazine µg/L
21/05/2008	-0.01	8.2	-0.5	-0.2	-0.01
26/06/2008		8			
16/10/2008	<-0.02	7.81	82	-2	-0.02

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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Sulphate mg/L
6
6.01
4.83

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SampleDate	Suspended Solids mg/L	Temperature ° Celsius	Toluene µg/L	Total Nitrogen mg/L	Total Organic Carbon (C) mg/L	Total Oxidised Nitrogen mg/L
21/05/2008	0.4	12.1	-0.1	3	NT	0.59
26/06/2008	20	9.8				0.37
16/10/2008	1.2	8.1	-0.1	2		0.53

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Total Phosphorus as P mg/L	Tributyltin µg/L	Xylenes µg/L	Zinc µg/L
21/05/2008	0.05	-0.02	-0.1	4.2
26/06/2008	0.12			
16/10/2008	0.14	-0.02	-0.1	-10

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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Consent of copyright owner required for any other use.



EntityName	StationName	SamplePurpose	SampleLabCode
Newport STP	Newport STP upstream ~100m (Newport River)	Discharge Monitoring - TP Upstream	08470260
Newport STP	Newport STP upstream ~100m (Newport River)	Discharge Monitoring - TP Upstream	08470388
Newport STP	Newport STP upstream ~100m (Newport River)	Discharge Monitoring Dangerous Substances - Upstream	08470628

the symbol - means <

**BLD means below the limit of detection**

**NT=Not Tested**

**RNV=Result Not Valid**

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Consent of copyright owner required for any other use.*

SampleDate	Alkalinity mg/L	Ammonia as (N) mg/L	Ammonium (NH4) mg/L	Arsenic µg/L	Atrazine µg/L	Barium µg/L	BOD mg/L O2	Boron mg/L
21/05/2008	125	0.023	0.03	0.4	-0.01	283.3	1	<-20
26/06/2008		0.034	0.044				2	
16/10/2008		0.001	0.001	-2	-0.02	144	1	<-200

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Cadmium µg/L	Chemical Oxygen Demand mg/L	Chloride mg/L	Chromium µg/L	Conductivity @ 20°C µS/cm
21/05/2008	-0.1	BLD	14.03	-1	247
26/06/2008		18	12.44		137
16/10/2008	-1	13	10.94	-10	146

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Copper µg/L	Cyanide µg/L	Dichloromethane µg/L	Diss/Emulsified Hydrocarbons/Minrl Oils mg/L
21/05/2008	-3	-5	-5	NT
26/06/2008				
16/10/2008	-30	-5	-5	

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Dissolved Oxygen % Saturation	Dissolved Oxygen (Measurement) mg/L	Fluoride µg/L	Hardness mg/L	Lead µg/L
21/05/2008	101	10.9	-100		-0.3
26/06/2008					
16/10/2008		8.88	<-100	120	-3

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Mercury µg/L	Nickel µg/L	Nitrates (NO3-N) mg/L	Nitrites (NO2-N) mg/L	Ortho-phosphate mg/L	Ortho-phosphate as P mg/L
21/05/2008	0.04	2.7	0.6	BLD	0.07	0.02
26/06/2008			0.38	BLD	0.06	0.02
16/10/2008	-0.2	-5	0.52	BLD	0.04	0.01

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	PAH (Polycyclic Aromatic Hydrocarbons) µg/L	pH Units	Phenols µg/L	Selenium µg/L	Simazine µg/L	Sulphate mg/L
21/05/2008	-0.01	8.14	-0.5	0.6	-0.01	5.7
26/06/2008		7.91				5.93
16/10/2008	<-0.02	7.99	42	3.3	-0.02	4.35

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Suspended Solids mg/L	Temperature ° Celsius	Toluene µg/L	Total Nitrogen mg/L	Total Organic Carbon (C) mg/L
21/05/2008	BLD	12.1	-0.1	1	NT
26/06/2008	13.2	12.5			
16/10/2008	1.2	9.1	-0.1	1	

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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SampleDate	Total Oxidised Nitrogen mg/L	Total Phosphorus as P mg/L	Tributyltin µg/L	Xylenes µg/L	Zinc µg/L
21/05/2008	0.61	0.02	-0.02	-0.1	4.8
26/06/2008	0.38	0.14			
16/10/2008	0.51	0.03	-0.02	-0.1	-10

the symbol - means <

BLD means below the limit of detection

NT=Not Tested

RNV=Result Not Valid

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Agglomeration details

Leading Local Authority	North Tipperary County Council
Co-Applicants	
Agglomeration	Newport
Population Equivalent	1800
Level of Treatment	Preliminary and Secondary treatment
Treatment plant address	Portryan, Newport, Co. Tipperary
Grid Ref (12 digits, 6E, 6N)	171239 / 161578 (Verified using GPS)
EPA Reference No:	

Contact details

Contact Name:	Mr. Jim McGuire
Contact Address:	North Tipperary Co. Council, Civic Offices, Limerick Road, Nenagh, Co. Tipperary
Contact Number:	067 44830
Contact Fax:	067 31773
Contact Email:	jmcguire@northtippcoco.ie

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

Discharge Point Code: SW-1

Local Authority Ref No:	NPPDP01	
Source of Emission:	Primary Discharge Point	
Location:	Adjacent to WWTP	
Grid Ref (12 digits, 6E, 6N)	171201 / 161544 (Verified using GPS)	
Name of Receiving waters:	Mulcair River	
Water Body:	River Water Body	
River Basin District	Shannon IRBD	
Designation of Receiving Waters:	Not sensitive	
Flow Rate in Receiving Waters:	0.05	m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow
	0.11	m <sup>3</sup> .sec <sup>-1</sup> 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	Volumes emitted calculated using 2008 calendar year values from Newport WWTP's influent flowmeter.	

Emission Details:

(i) Volume emitted			
Normal/day	364 m <sup>3</sup>	Maximum/day	1941 m <sup>3</sup>
Maximum rate/hour	81 m <sup>3</sup>	Period of emission (avg)	60 min/hr 24 hr/day 365 day/yr
Dry Weather Flow	0.00284 m <sup>3</sup> /sec		

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

Discharge Point Code: SW-1

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
pH	pH	Grab	= 7.45	
Temperature	°C	Grab	= 7	
Electrical Conductivity (@ 25°C)	µS/cm	Grab	= 420	
Suspended Solids	mg/l	Grab	= 6.4	6.4
Ammonia (as N)	mg/l	Grab	= 0.183	0.183
Biochemical Oxygen Demand	mg/l	Grab	= 3	3
Chemical Oxygen Demand	mg/l	Grab	= 12	12
Total Nitrogen (as N)	mg/l	Grab	= 14	14
Nitrite (as N)	mg/l	Grab	= 0.38	0.38
Nitrate (as N)	mg/l	Grab	= 10.1	10.1
Total Phosphorous (as P)	mg/l	Grab	= 1.64	1.64
OrthoPhosphate (as P)	mg/l	Grab	= 1.64	1.64
Sulphate (SO <sub>4</sub> )	mg/l	Grab	= 35.02	35.02
Phenols (Sum)	µg/l	Grab	= 23	0.023

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

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

Discharge Point Code: SW-1

Substance	As discharged			
	Unit of Measurement	Sampling Method	Max Daily Avg.	kg/day
Atrazine	µg/l	Grab	< 0.01	0.00001
Dichloromethane	µg/l	Grab	< 5	0.005
Simazine	µg/l	Grab	< 0.01	0.00001
Toluene	µg/l	Grab	< 0.1	0.0001
Tributyltin	µg/l	Grab	< 0.02	0.00002
Xylenes	µg/l	Grab	< 0.1	0.0001
Arsenic	µg/l	Grab	< 2	0.002
Chromium	µg/l	Grab	< 10	0.01
Copper	µg/l	Grab	< 30	0.03
Cyanide	µg/l	Grab	< 5	0.005
Flouride	µg/l	Grab	< 100	0.1
Lead	µg/l	Grab	< 3	0.003
Nickel	µg/l	Grab	< 5	0.005
Zinc	µg/l	Grab	< 10	0.01
Boron	µg/l	Grab	< 200	0.2
Cadmium	µg/l	Grab	< 1	0.001
Mercury	µg/l	Grab	< 0.2	0.0002
Selenium	µg/l	Grab	< 2	0.002
Barium	µg/l	Grab	< 118	0.118

For Orthophosphate: this monitoring should be undertaken on a sample filtered on 0.45µm filter paper

For Phenols: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

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

Discharge Point Code: SW-2

Local Authority Ref No:	PRSWO1
Source of Emission:	Emergency Overflow at Portryan Pumping station
Location:	Portryan, Newport
Grid Ref (12 digits, 6E, 6N)	171645 / 161591 (Verified using GPS)
Name of Receiving waters:	Mulcair River
Water Body:	River Water Body
River Basin District	Shannon IRBD
Designation of Receiving Waters:	Not sensitive
Flow Rate in Receiving Waters:	0.05 m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow 0.11 m <sup>3</sup> .sec <sup>-1</sup> 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	There is no flow meter on this overflow so volumes and periods of emissions information is not available.

Emission Details:

(i) Volume emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>
Maximum rate/hour	m <sup>3</sup>	Period of emission (avg)	min/hr hr/day day/yr
Dry Weather Flow	m <sup>3</sup> /sec		

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

Discharge Point Code: SW-3

Local Authority Ref No:	RCSWO1	
Source of Emission:	SWO at Lower River Crossing	
Location:	Lower River Crossing, Newport	
Grid Ref (12 digits, 6E, 6N)	172343 / 161983 (Verified using GPS)	
Name of Receiving waters:	Mulcair River	
Water Body:	River Water Body	
River Basin District	Shannon IRBD	
Designation of Receiving Waters:	Not sensitive	
Flow Rate in Receiving Waters:	0.05	m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow
	0.11	m <sup>3</sup> .sec <sup>-1</sup> 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	There is no flow meter on this overflow so volumes and periods of emissions information is not available.	

Emission Details:

(i) Volume emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>
Maximum rate/hour	m <sup>3</sup>	Period of emission (avg)	min/hr    hr/day    day/yr
Dry Weather Flow	m <sup>3</sup> /sec		

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

Discharge Point Code: SW-4

Local Authority Ref No:	MRSWO1	
Source of Emission:	Emergency Overflow at Murroe Road pumping station	
Location:	Murroe Road Pumping Station	
Grid Ref (12 digits, 6E, 6N)	172381 / 160725 (Verified using GPS)	
Name of Receiving waters:	Mulcair River	
Water Body:	River Water Body	
River Basin District	Shannon IRBD	
Designation of Receiving Waters:	Not Sensitive	
Flow Rate in Receiving Waters:		m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow
		m <sup>3</sup> .sec <sup>-1</sup> 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	There is no flow meter on this overflow so volumes and periods of emissions information is not available.	

Emission Details:

(i) Volume emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>
Maximum rate/hour	m <sup>3</sup>	Period of emission (avg)	min/hr    hr/day    day/yr
Dry Weather Flow	m <sup>3</sup> /sec		

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

Discharge Point Code: SW-5

Local Authority Ref No:	IWSWO1
Source of Emission:	Overflow at inlet screen at WWTP
Location:	adjacent to WWTP
Grid Ref (12 digits, 6E, 6N)	171300 / 161557 (Verified using GPS)
Name of Receiving waters:	Mulcair River
Water Body:	River Water Body
River Basin District	Shannon IRBD
Designation of Receiving Waters:	Not sensitive
Flow Rate in Receiving Waters:	0.05 m <sup>3</sup> .sec <sup>-1</sup> Dry Weather Flow 0.11 m <sup>3</sup> .sec <sup>-1</sup> 95% Weather Flow
Additional Comments (e.g. commentary on zero flow or other information deemed of value)	There is no flow meter on this overflow so volumes and periods of emissions information is not available.

Emission Details:

(i) Volume emitted			
Normal/day	m <sup>3</sup>	Maximum/day	m <sup>3</sup>
Maximum rate/hour	m <sup>3</sup>	Period of emission (avg)	min/hr hr/day day/yr
Dry Weather Flow	m <sup>3</sup> /sec		

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TABLE E.1(i): WASTE WATER FREQUENCY AND QUANTITY OF DISCHARGE – Primary and Secondary Discharge Points

Identification Code for Discharge point	Frequency of discharge (days/annum)	Quantity of Waste Water Discharged (m <sup>3</sup> /annum)
SW-1	365	132860

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

Identification Code for Discharge point	Frequency of discharge (days/annum)	Quantity of Waste Water Discharged (m <sup>3</sup> /annum)	Complies with Definition of Storm Water Overflow
SW-2			No
SW-3			Yes
SW-4			No
SW-5			No

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

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1d
Grid Ref (12 digits, 6E, 6N)	170251 / 161858 (Verified using GPS)

Parameter	Results (mg/l)			Sampling method	Limit of Quantitation	Analysis method / technique
	21/05/08	26/06/08	16/10/08			
pH	= 8.2	= 8	= 7.81	Grab		pH Probe
Temperature	= 12.1	= 9.8	= 8.1	Grab		Temperature probe
Electrical Conductivity (@ 25°C)	= 259	= 136	= 156	Grab	14	Conductivity meter
Suspended Solids	= 0.4	= 20	= 1.2	Grab		Filtration-Standard Methods
Ammonia (as N)	= 0.032	= 0.034	= 0.003	Grab	0.0019	Auto Analyser-Colorimetry
Biochemical Oxygen Demand	= 1	= 2	= 1	Grab		Standards Methods (BOD5)
Chemical Oxygen Demand	= 5	= 19	= 8	Grab		Digestion
Dissolved Oxygen	= 21.3		= 8.34	Grab		D.O. probe
Hardness (as CaCO <sub>3</sub> )			= 119	Grab		NT
Total Nitrogen (as N)	= 3		= 2	Grab	0.035	Auto Analyser-Colorimetry
Nitrite (as N)	= 0.01	= 0	= 0	Grab	0.013	Auto Analyser-Colorimetry
Nitrate (as N)	= 0.58	= 0.37	= 0.53	Grab		Auto Analyser-Colorimetry
Total Phosphorous (as P)	= 0.05	= 0.12	= 0.14	Grab		Digestion
OrthoPhosphate (as P)	= 0.05	= 0.02	= 0.02	Grab	0.009	Auto Analyser-Colorimetry
Sulphate (SO <sub>4</sub> )	= 6	= 6.01	= 4.83	Grab	0.932	Auto Analyser-Colorimetry
Phenols (Sum)	< 0.5		= 82	Grab	0.005	GCMS

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

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

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1d
Grid Ref (12 digits, 6E, 6N)	170251 / 161858 (Verified using GPS)

Parameter	Results (µg/l)			Sampling method	Limit of Quantitation	Analysis method / technique
	21/05/08	16/10/08				
Atrazine	< 0.01	< 0.02		Grab	0.01	GCMS
Dichloromethane	< 5	< 5		Grab	5	GCMS
Simazine	< 0.01	< 0.02		Grab	0.01	GCMS
Toluene	< 0.1	< 0.1		Grab	0.1	GCMS
Tributyltin	< 0.02	< 0.02		Grab	0.02	GEO24
Xylenes	< 0.1	< 0.1		Grab	0.1	GCMS
Arsenic	= 0.3	< 2		Grab	0.2	ICPMS
Chromium	< 1	< 10		Grab	1	ICPMS
Copper	< 3	< 30		Grab	3	ICPMS
Cyanide	< 5	< 5		Grab	5	AQ2
Flouride	< 100	= 100		Grab	10	Colorimetry
Lead	< 0.3	< 3		Grab	0.3	ICPMS
Nickel	= 2.7	< 5		Grab	0.5	ICPMS
Zinc	= 4.2	< 10		Grab	1.0	ICPMS
Boron	< 20	< 200		Grab	20	ICPMS
Cadmium	< 0.1	< 1		Grab	0.1	ICPMS
Mercury	= 0.02	< 0.2		Grab	0.02	ICPMS
Selenium	< 0.2	< 2		Grab	0.2	ICPMS
Barium	= 281.5	= 140		Grab	1	ICPMS

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

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1u
Grid Ref (12 digits, 6E, 6N)	171668 / 161619 (Verified using GPS)

Parameter	Results (mg/l)			Sampling method	Limit of Quantitation	Analysis method / technique
	21/05/08	26/06/08	16/10/08			
pH	= 8.14	= 7.91	= 7.99	Grab		pH probe
Temperature	= 12.1	= 12.5	= 9.1	Grab		Temperature probe
Electrical Conductivity (@ 25°C)	= 247	= 137	= 146	Grab	14	Conductivity meter
Suspended Solids	= 0	= 13.2	= 1.2	Grab		Filtration-Standard Methods
Ammonia (as N)	= 0.023	= 0.034	= 0.001	Grab	0.0019	Auto Analyser-Colorimetry
Biochemical Oxygen Demand	= 1	= 2	= 1	Grab		Standard methods (BOD5)
Chemical Oxygen Demand	< 1	= 18	= 13	Grab		Digestion
Dissolved Oxygen	= 10.9		= 8.88	Grab		D.O. Probe
Hardness (as CaCO <sub>3</sub> )			= 120	Grab		NT
Total Nitrogen (as N)	= 1		= 1	Grab	0.035	Auto Analyser-Colorimetry
Nitrite (as N)	= 0	= 0	= 0	Grab	0.013	Auto Analyser-Colorimetry
Nitrate (as N)	= 0.6	= 0.38	= 0.52	Grab		Auto Analyser-Colorimetry
Total Phosphorous (as P)	= 0.02	= 0.14	= 0.03	Grab		Digestion
OrthoPhosphate (as P)	= 0.02	= 0.02	= 0.01	Grab	0.009	Auto Analyser-Colorimetry
Sulphate (SO <sub>4</sub> )	= 5.7	= 5.93	= 4.35	Grab	0.932	Auto Analyser-Colorimetry
Phenols (Sum)	< 0.5		= 42	Grab	0.005	GCMS

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

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

Primary Discharge Point

Discharge Point Code:	SW-1
MONITORING POINT CODE:	aSW-1u
Grid Ref (12 digits, 6E, 6N)	171668 / 161619 (Verified using GPS)

Parameter	Results (µg/l)			Sampling method	Limit of Quantitation	Analysis method / technique
	21/05/08	16/10/08				
Atrazine	< 0.01	< 0.02		Grab	0.01	GCMS
Dichloromethane	< 5	< 5		Grab	5	GCMS
Simazine	< 0.01	< 0.02		Grab	0.01	GCMS
Toluene	< 0.1	< 0.1		Grab	0.1	GCMS
Tributyltin	< 0.02	< 0.02		Grab	0.02	GEO24
Xylenes	< 0.1	< 0.1		Grab	0.1	GCMS
Arsenic	= 0.4	< 2		Grab	0.2	ICPMS
Chromium	< 1			Grab	1	ICPMS
Copper		< 10		Grab	3	ICPMS
Cyanide	< 5	< 5		Grab	5	AQ2
Flouride	< 100	< 100		Grab	10	Colorimetry
Lead	< 0.3	< 3		Grab	0.3	ICPMS
Nickel	= 2.7	< 5		Grab	0.5	ICPMS
Zinc	= 4.8	< 10		Grab	1.0	ICPMS
Boron	< 20	< 200		Grab	20	ICPMS
Cadmium	< 0.1	< 1		Grab	0.1	ICPMS
Mercury	= 0.04	< 0.2		Grab	0.02	ICPMS
Selenium	= 0.6	= 3.3		Grab	0.2	ICPMS
Barium	= 283.3	= 144		Grab	1	ICPMS

Additional Comments:	
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**Annex 2: Check List For Regulation 16 Compliance**

Regulation 16 of the waste water discharge (Authorisation) Regulations 2007 (S.I. No. 684 of 2007) sets out the information which must, in all cases, accompany a discharge licence application. In order to ensure that the application fully complies with the legal requirements of regulation 16 of the 2007 Regulations, all applicants should complete the following.

In each case, refer to the attachment number(s), of your application which contains(s) the information requested in the appropriate sub-article.

<b>Regulation 16(1)</b> <b>In the case of an application for a waste water discharge licence, the application shall -</b>		<b>Attachment Number</b>	<b>Checked by Applicant</b>
(a)	give the name, address, telefax number (if any) and telephone number of the applicant (and, if different, of the operator of any treatment plant concerned) and the address to which correspondence relating to the application should be sent and, if the operator is a body corporate, the address of its registered office or principal office,	Section B.1	Yes
(b)	give the name of the water services authority in whose functional area the relevant waste water discharge takes place or is to take place, if different from that of the applicant,	N/A	Yes
(c)	give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the location of the waste water treatment plant and/or the waste water discharge point or points to which the application relates,	Section B.2, B.3 & B.5	Yes
(d)	state the population equivalent of the agglomeration to which the application relates,	Section B.9(i)	Yes
(e)	specify the content and extent of the waste water discharge, the level of treatment provided, if any, and the flow and type of discharge,	Table D.1 & Table E.1	Yes
(f)	give details of the receiving water body, including its protected area status, if any, and details of any sensitive areas or protected areas or both in the vicinity of the discharge point or points likely to be affected by the discharge concerned, and for discharges to ground provide details of groundwater protection schemes in place for the receiving water body and all associated hydrogeological and geological assessments related to the receiving water environment in the vicinity of the discharge.	Section F.1	Yes
(g)	identify monitoring and sampling points and indicate proposed arrangements for the monitoring of discharges and, if Regulation 17 does not apply, provide details of the likely environmental consequences of any such discharges,	Attachment E.3 & Section F	Yes
(h)	in the case of an existing waste water treatment plant, specify the sampling data pertaining to the discharge based on the samples taken in the 12 months preceding the making of the application,	Attachment E.4	Yes
(i)	describe the existing or proposed measures, including emergency procedures, to prevent unintended waste water discharges and to minimise the impact on the environment of any such discharges,	Section G.3	Yes
(j)	give particulars of the nearest downstream drinking water abstraction point or points to the discharge point or points,	N/A	Yes
(k)	give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than those into which the emissions are, or are to be made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit any pollution caused in such discharges,	Section F.1	Yes
(l)	give detail of compliance with relevant monitoring requirements and treatment standards contained in any applicable Council Directives of Regulations,	Section G.1	Yes
(m)	give details of any work necessary to meet relevant effluent discharge standards and a timeframe and schedule for such work.	Section G.1	Yes
(n)	Any other information as may be stipulated by the Agency.		Yes
<b>Regulation 16(3)</b> <b>Without prejudice to Regulation 16 (1) and (2), an application for a licence shall be accompanied by -</b>		<b>Attachment Number</b>	<b>Checked by Applicant</b>
(a)	a copy of the notice of intention to make an application given pursuant to Regulation 9,	Attachment B.8(i)	Yes
(b)	where appropriate, a copy of the notice given to a relevant water services authority under Regulation 13,	N/A	Yes
(c)	Such other particulars, drawings, maps, reports and supporting documentation as are necessary to identify and describe, as appropriate -		Yes
(c) (i)	the point or points, including storm water overflows, from which a discharge or discharges take place or are to take place, and	Attachment B.2,B.3 & B.5	Yes
(c) (ii)	the point or points at which monitoring and sampling are undertaken or are to be undertaken,	Attachment B.2,B.3 & B.5	Yes
(d)	such fee as is appropriate having regard to the provisions of Regulations 38 and 39.	Attachment B.9(iii)	Yes



Regulation 16(4) An original application shall be accompanied by 2 copies of it and of all accompanying documents and particulars as required under Regulation 16(3) in hardcopy or in an electronic or other format as specified by the Agency.		Attachment Number	Checked by Applicant
1	An Original Application shall be accompanied by 2 copies of it and of all accompanying documents and particulars as required under regulation 16(3) in hardcopy or in electronic or other format as specified by the agency.		Yes
Regulation 16(5) For the purpose of paragraph (4), all or part of the 2 copies of the said application and associated documents and particulars may, with the agreement of the Agency, be submitted in an electronic or other format specified by the Agency.		Attachment Number	Checked by Applicant
1	Signed original.		Yes
2	2 hardcopies of application provided or 2 CD versions of application (PDF files) provided.		Yes
3	1 CD of geo-referenced digital files provided.		Yes
Regulation 17 Where a treatment plant associated with the relevant waste water works is or has been subject to the European Communities (Environmental Impact Assessment) Regulations 1989 to 2001, in addition to compliance with the requirements of Regulation 16, an application in respect of the relevant discharge shall be accompanied by a copy of an environmental impact statement and approval in accordance with the Act of 2000 in respect of the said development and may be submitted in an electronic or other format specified by the Agency		Attachment Number	Checked by Applicant
1	EIA provided if applicable	N/A	Yes
2	2 hardcopies of EIS provided if applicable.	N/A	Yes
3	2 CD versions of EIS, as PDF files, provided.	N/A	Yes

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