

# Comhairle Contae Chorcaí Cork County Council

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Administration,  
Environmental Licensing Programme,  
Office of Climate -Licensing & Resource Use,  
Environmental Protection Agency,  
Headquarters,  
PO Box 3000,  
Johnstown Castle Estate,  
Co. Wexford.

January 2011

## RE: Regulation 24 Compliance Requirements –Milford & Environs A0321-01

1. Please find attached Flow diagram, which indicates that appropriate assessment is required.
2. The design PE of the WWTP is 500.  
The existing PE, estimated by house count taken in 2010, was determined to be 330. The results of the house count are as follows;

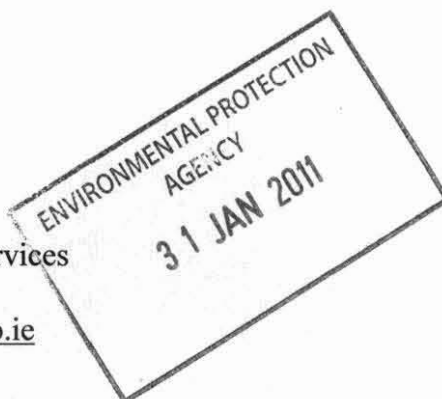
Existing Development						Existing Total
no. of houses	school	Pub	Shop	Other		
122	1	2	0	5		330

There are no significant public gathering events in the village that should be considered in the calculation of the contributing PE.

3. The national grid reference for the location of the primary discharge is 141054E, 121534N. Revised excel tables and COA are included in this submission.

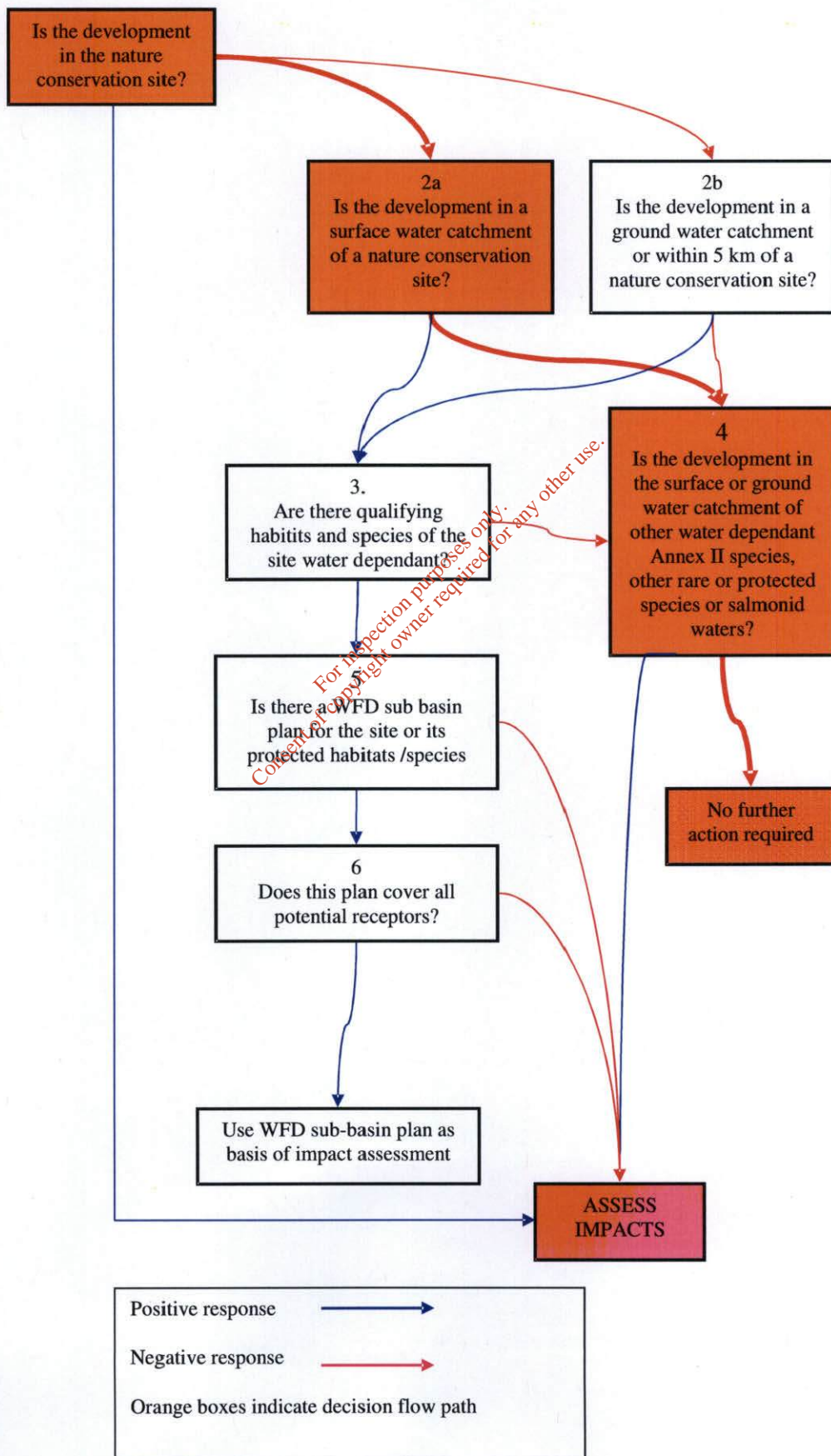
Paddy O'Friel  
S/Senior Engineer – Water Services

Email: [paddy.ofriel@corkcoco.ie](mailto:paddy.ofriel@corkcoco.ie)  
Direct Line: 022-30441



## Milford WWTP

### Natura 2000 Screening Protocol



## SECTION B: GENERAL

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

### B.1 Agglomeration Details

**Name of Agglomeration:** *Milford & Environs*

#### Applicant's Details

##### Name and Address for Correspondence

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

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

<b>Name*:</b>	<i>Cork County Council</i>
<b>Address:</b>	<i>Northern Division</i>
	<i>Annabella</i>
	<i>Mallow</i>
	<i>Co. Cork</i>
<b>Tel:</b>	<i>022 21123</i>
<b>Fax:</b>	<i>022 21983</i>
<b>e-mail:</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>	<i>Frank Cronin</i>
<b>Address:</b>	<i>Northern Division</i>
	<i>Annabella</i>
	<i>Mallow</i>
	<i>Co. Cork</i>
<b>Tel:</b>	<i>022 21123</i>
<b>Fax:</b>	<i>022 21983</i>
<b>e-mail:</b>	<i>Frank.cronin@corkcoco.ie</i>

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

\*This should be the name of a Water Services Authority, other than the lead authority, where multiple authorities are the subject of a waste water discharge Certificate of Authorisation application.

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

Attachment included	Yes	No
	✓	

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

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

<b>Name*:</b>	<i>Micheal Cotter</i>
<b>Address:</b>	<i>Dromina</i>
	<i>Charleville</i>
	<i>Co. Cork</i>
<b>Grid ref (6E, 6N)</b>	<i>141060E, 121506N</i>
<b>Level of Treatment</b>	<i>Secondary</i>

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

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

Attachment included	Yes	No
	✓	

## B.3 Location of Primary Discharge Point

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

<b>Discharge to</b>	<i>River Deel</i>
<b>Type of Discharge</b>	<i>Point source</i>
<b>Unique Point Code</b>	<i>SW01-MILF</i>
<b>Location</b>	<i>Adjacent to WWTP</i>
<b>Grid ref (6E, 6N)</b>	<i>141054E, 121534N</i>

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

Attachment included	Yes	No
	✓	

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

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

Discharge to	<i>Not applicable</i>
Type of Discharge	<i>Not applicable</i>
Unique Point Code	<i>Not applicable</i>
Location	<i>Not applicable</i>
Grid ref (6E, 6N)	<i>Not applicable</i>

\*Where a septic tank is in existence simultaneous to a package plant within an agglomeration, discharges from the septic tank shall be considered as a secondary discharge.

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

Attachment included	Yes	No
		✓

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

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

Type of Discharge	<i>Point</i>
Unique Point Code	<i>SW02-MILF</i>
Location	<i>Within WWTP compound</i>
Grid ref (6E, 6N)	<i>141075E, 121516N</i>
Unique Point Code	<i>SW03-MILF</i>
Location	<i>Within WWTP compound</i>
Grid ref (6E, 6N)	<i>141485E, 121391N</i>

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

Attachment included	Yes	No
		✓

## B.6 Planning Authority

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

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

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

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

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

Within the SFADCo Area	Yes	No
		✓

B.7 (ii) Health Services Executive Region

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

<b>Name:</b>	<b>Health Service Executive</b>
<b>Address:</b>	<b>North Cork Area Headquarters</b>
	<b>Gouldhill</b>
	<b>Mallow, Co. Cork</b>
<b>Tel:</b>	<b>022 30200</b>
<b>Fax:</b>	<b>022 30211</b>
<b>e-mail:</b>	<b>Gerry.oconnell@hse.ie</b>

## B. 8(i) Population Equivalent of Agglomeration

**TABLE B.8.1 POPULATION EQUIVALENT OF AGGLOMERATION**

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

<b>Population Equivalent</b>	<b>490</b>
<b>Data Compiled (Year)</b>	<b>2009</b>
<b>Method</b>	<b>House count</b>

## B.8 (ii) Pending Development

Where planning permission has been granted for development(s), but development has not been commenced or completed to date, within the boundary of the

agglomeration and this development is being, or is to be, served by the waste water works provide the following information;

- information on the calculated population equivalent (p.e.) to be contributed to the waste water works as a result of those planning permissions granted,

**The above includes the following planning applications;**

<b>Planning Ref 05248</b>	<b>35 no. houses (16 complete)</b>	<b>98 PE</b>
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- the percentage of the projected p.e. to be contributed by the non-domestic activities, and  
**Not Applicable**
- the ability of the waste water works to accommodate this extra hydraulic and organic loading without posing an environmental risk to the receiving waters.  
**The WWTP is operating within its hydraulic and organic loading limitations.**

### **B.8 (iii) FEES**

State the relevant Class of waste water discharge as per Regulation 5, and the appropriate fee as per Columns 2 or 3 of the Third Schedule of the Waste Water Discharges (Authorisation) Regulations 2007, S.I. No. 684 of 2007.

<b>Class of waste water discharge</b>	<b>Fee (in €)</b>
<b>Discharges from agglomerations with a PE of 500.</b>	<b>€3000</b>

**\*please see copy of attached letter sent by registered post to Mr F. Clinton ,Programme Manager, Licencing Unit EPA on December 18th 2009**

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

### **B.9 Capital Investment Programme**

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

**There is no proposed programme of works prioritised for the WWTP or the Network under the WSIP 2007-2009.**

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

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

### **B.10 Significant Correspondence**



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

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

Attachment included	Yes	No
		✓

#### **B.11 Foreshore Act Licences.**

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

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

Attachment included	Yes	No
		✓

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

## **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.

***The combined sewer gravitates to the WWTP compound.***

***A pump sump is located in the WWTP compound which is fitted with a Duty and standby pumps. There is an Storm water overflow form the Pump sump to the river.***

***The flow is forwarded to the aeration tank.***

***The package plant consists of 2 steel tank constructed concentrically. The inner tank has a diameter of 4.58m and the outer tank has a diameter of 9.16m and they are sited on a concrete base.***

***The influent is aerated by a cage rotator in the outer area. The aerated effluent trickles over a bell mouth and is directed to the bottom of the inner clarifier.***

***The clarifier is fitted with a sludge return pump to return activated sludge to the aeration basin. Sludge is wasted by gravity to an underground concrete tank (size unknown). The sludge holding tank is desludged periodically as required.***

***Post secondary treatment, the effluent is discharged directly to the River Deel.***

#### **C.1.1 Storm Water Overflows**

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

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

***There are two SWOs within the agglomeration. SWO located at Pumping station.***

***The pumping station was located adjacent to pre-existing septic tanks which operated prior to the package plant. A high level emergency over diverts flow to the Septic tank which in turn will discharge to the River.***

***There is no flow data from the emergency overflow.***

***, which is located in the WWTP at the inlet works. The SWO discharges to the river that runs along the eastern boundary of the site.***

***There is no data in relation to the flow and frequencies of discharges from the SWO.***

**Anecdotal evidence suggests there is little discharge from this SWO**

**This office is not aware of Public complaints in relation to discharges from the overflow.**

**The overflow is fitted with a baffle to prevent flowing debris/scum from been discharged to the received waters.**

#### C.1.2 Pumping Stations

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

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

**There are two CCC operated pumping station within the agglomeration.**

##### **Pump station within WWTP compound.**

- **Grid Reference: 154670N, 117624E**
- **The WWTP aeration tank is above ground. This sump forwards all flow to the aeration tank.**
- **There is an emergency overflow from the sump to the River Deel.**
- **2 no pumps, duty/standby arrangement**
- **High level and low level float controls**
- **There is no dial out facility.**

##### **Pump station no. 2**

- **Grid Reference: 141481N, 121413E**
- **The pump station is located on the far side of the River Deel from the WWTP**
- **There is an emergency overflow from the sump to the adjacent septic tank. This in turn can discharge to the River Deel.**
- **2 no pumps, duty/standby arrangement**
- **High level and low level float controls**
- **There is no Alarm facility.**

**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
	√	