

# Athboy Waste Water Works



## Annual Environmental Report

For

**EPA Waste Water Discharge Licence D0124-01**

01/01/2012 to 31/12/2012

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# **SECTION 1:**

## **INTRODUCTION & BACKGROUND**

## **SECTION 1.1: EXECUTIVE SUMMARY.**

### **Introduction:**

The Waste Water Treatment Plant (WwTP) at Athboy was commissioned in 2010 and is now operated and maintained by EPS as part of a 20 year DBO (design build, operate) contract. The waste water treatment plant was built to serve the agglomeration of Athboy, Rathcairn and their Environs and the facility is licensed for a p.e of 5,800.

The following Annual Environmental Report (AER) has been prepared as per Condition 6.10 of Meath County Council's Discharge Licence D0124-01 and includes all information requested under schedule D of this licence.

### **Plant Details:**

The treatment process at Athboy WwTP includes screening & degritting, anoxic & aerobic treatments, phosphorus removal, sludge dewatering and storm tanks. The primary discharge from the WwTP is to the Athboy River.

### **Compliance Issues:**

Meath County Council's Environmental Services Section carried out the compliance monitoring testing of the Waste Water Treatment Plant in accordance with the schedules of the Waste Water Discharge Licence.

The following breach of the Emission Limit Values (ELV) set out by the Waste Water Discharge Licence was recorded:

- 1 No. Breach of Ortho Phosphate (OP) ELV

The exceedance was noted on the 15/08/12. The ELV reportable incident level is 0.7mg/l. The recorded breach of the ELV was reported to the Environmental Protection Agency (EPA) through the EDEN system.

Extensive on site testing was carried out following this isolated breach in the OP ELV, no other breaches in the ELV were recorded so no further action was taken.

The incident report is available for inspection at the Environment & Water Services Offices in Navan, Co. Meath.

### **Complaints Received:**

There were no complaints received during the reporting period 01/01/12 to 31/12/12.

### **Projected Completed:**

There were no significant improvements works or project carried out at the Treatment Works during the reporting period 01/01/12 to 31/12/12.

## **SECTION 2:**

### **MONITORING REPORTS SUMMARY.**

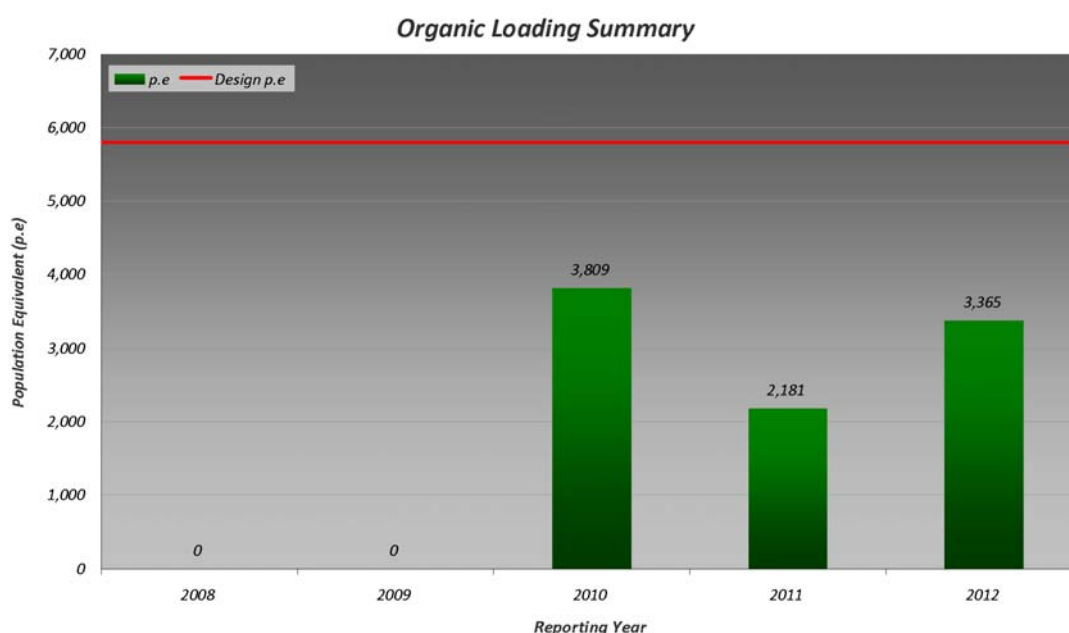
## Section 2.1: Summary Report on Monthly Influent Monitoring.

*Influent Results Table:*

	Influent Results (mg/l)					Hydraulic Loading (m <sup>3</sup> /d)	Organic Loading (p.e/d)
	BOD	COD	TSS	TP	TN		
No. Samples	12	12	12	12	12		
Max. Result	431	869	569	12	57	2,966	-
Avg. Result	288	579	379	8	38	1,184	3,365

### *Summary of Results:*

As can be seen from the 'Influent Results Table' and the 'Organic Loading Summary' chart below Athboy WwTP continues to operate within its design capacity of 5,800 p.e. The average p.e in 2011 was significantly lower than that recorded in 2012 due to the number of influent composite samples taken during periods of extreme rainfall during 2011. This resulted in significantly lower BOD results and hence a lower calculated organic loading on the plant. The current figures are a more reflective sample than the 2011 figures.



**Section 2.2: Discharges from the Agglomeration Report.**

Parameter:	Flow	BOD	COD	TSS	TN	NH4	TP	OP	N03	N02	TON	BOD	TP
Units:	m <sup>3</sup> /d	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	kg/d	kg/d	kg/d
Average Results for 2012	1,150	2	12	5	N/A	0.04	0.4	0.3	N/A	N/A	N/A	N/A	N/A
WWDL ELV	N/A	20	125	35	N/A	1.1	1.0	0.6	N/A	N/A	N/A	N/A	N/A
ELV (Condition 2)	N/A	40	250	88	N/A	1.3	1.2	0.7	N/A	N/A	N/A	N/A	N/A
Annual Mean ELV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
No. of Results	N/A	12	12	12	N/A	12	12	12	N/A	N/A	N/A	N/A	N/A
WWDL ELV Exceedances	N/A	0	0	0	N/A	0	0	0	N/A	N/A	N/A	N/A	N/A
ELV (Condition 2) Exceedances	N/A	0	0	0	N/A	0	0	1	N/A	N/A	N/A	N/A	N/A
Annual Mean Exceedances	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Allowable Exceedances	N/A	2	2	2	N/A	2	2	2	N/A	N/A	N/A	N/A	N/A
Overall Compliance	N/A	Pass	Pass	Pass	N/A	Pass	Pass	Pass	N/A	N/A	N/A	N/A	N/A

**Section 2.3: Treatment Efficiency Report.**

<b><u>Results:</u></b>	<b><u>Units</u></b>	<b><u>cBOD</u></b>	<b><u>COD</u></b>	<b><u>TSS</u></b>	<b><u>Total P</u></b>	<b><u>Total N</u></b>	<b><u>Comment</u></b>
<b>Average Influent Mass Loading</b>	kg/day	202	508	212	7.4	37.8	No Comment
<b>Average Effluent Mass Emission</b>	kg/day	2.26	13.53	5.64	0.34	9.47	No Comment
<b>Average Treatment % Efficiency</b>	% reduction on Influent Load	98.8%	97.33%	97.35%	95.41%	74.96%	Note 1
<b>Target Treatment % Efficiency</b>	Minimum % reduction on Influent Load	70-90%	75%	90%	80%	70-80%	Targets taken from the Second Schedule (Part 1 and Part 2) of the Urban Waste Water Treatment Regulations, 2001.



#### 2.4 Treatment Capacity Report

Treatment Capacity		
Hydraulic Capacity (m <sup>3</sup> /day):	Design	3,915
	Current	1,184
	Remaining	2,731
Organic Capacity (PE):	Design	5,800
	Current	3,365
	Remaining	2,435
Will the capacity be exceeded in the next three years? (Yes / No)		No

**Section 2.5: Ambient Monitoring Summary Report.**

# **Report**

**From:** Kieran Cunningham

**To:** Enda Collins

**Re:** Athboy WWTP (D0124-01)  
u/s and d/s Ambient river monitoring 2012

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Below is the data from monitoring the Athboy River upstream and downstream of Athboy WWTP in 2012 as required by Schedule B of the licence.

Schedule B requires that 10 samples per year of the receiving water are taken. In 2012 the River Athboy was sampled on 8 occasions.

Date	DO (% Sat.)		DO (mg/L)		Temp (°C)		pH	
	u/s	d/s	u/s	d/s	u/s	d/s	u/s	d/s
19/01/2012	94.0	94.5	11.3	11.3	7.6	7.6	8.0	8.0
16/02/2012	92.7	93.9	10.7	10.8	9.7	9.7	8.1	8.1
09/03/2012	95.2	93.9	10.4	10.5	10.9	11.0	8.2	8.2
22/05/2012	117.4	134.0	12.0	13.6	14.4	14.9	8.2	8.2
04/07/2012	88.9	91.0	9.1	9.3	13.7	13.9	7.9	8.0
09/08/2012	90.4	93.5	9.4	9.5	13.9	15.0	7.9	7.9
01/11/2012	90.7	95.0	10.5	10.8	7.3	7.7	7.9	7.2
21/11/2012	90.6	92.7	10.6	10.9	7.9	8.1	7.8	7.8
Mean	95.0	98.6	10.5	10.8	10.7	11.0	8.0	7.9
95% ile	109.6	120.4	11.8	12.8	14.2	15.0	8.2	8.2

Date	BOD (mg/L)		NH <sub>4</sub> (mgN/L)		MRP (mgP/L)		TN (mgN/L)	
	u/s	d/s	u/s	d/s	u/s	d/s	u/s	d/s
19/01/2012	1.5	1.0	0.03	0.03	0.04	0.03	2.3	2.4
16/02/2012	1.0	1.0	0.03	0.03	0.02	0.02	2.4	2.4
09/03/2012	1.2	0.7	0.02	0.02	0.02	0.03	2.2	2.5
22/05/2012	1.4	1.6	0.01	0.09	0.01	0.01	1.4	1.6
04/07/2012			0.04	0.03	0.04	0.03	2.2	2.3
09/08/2012	0.8	0.9	0.02	0.02	0.02	0.02		
01/11/2012	3.4	2.8	0.05	0.03	0.04	0.04	1.9	2.2
21/11/2012	2.0	1.5	0.06	0.05	0.01	0.04	1.6	2.0
Mean	1.6	1.4	0.03	0.04	0.03	0.03	2.0	2.2
95% ile	3.0	2.4	0.06	0.08	0.04	0.04	2.4	2.5

Assessment of the impact of the discharge over this period of time is made using the Environmental Quality Standards set out in the EC Environmental Objectives (Surface Water) Regulations 2009, as follows:

1. Ammonia

*High status  $\leq 0.040 \text{ mgN/L}$  (mean) or  $\leq 0.090 \text{ mgN/L}$  (95%ile)*  
*Good status  $\leq 0.065 \text{ mgN/L}$  (mean) or  $\leq 0.140 \text{ mgN/L}$  (95%ile)*

2. Molybdate Reactive Phosphorous (MRP)

*High status  $\leq 0.025 \text{ mgP/L}$  (mean) or  $\leq 0.045 \text{ mgP/L}$  (95% ile)*  
*Good status  $\leq 0.035 \text{ mgP/L}$  (mean) or  $\leq 0.075 \text{ mgP/L}$  (95% ile)*

3. Biochemical Oxygen Demand (B.O.D.)

*High status  $\leq 1.3 \text{ mgO}_2/\text{L}$  (mean) or  $\leq 2.2 \text{ mgO}_2/\text{L}$  (95% ile)*  
*Good status  $\leq 1.5 \text{ mgO}_2/\text{L}$  (mean) or  $\leq 2.6 \text{ mgO}_2/\text{L}$  (95% ile)*

4. Dissolved Oxygen (D.O.)

*D.O. Lower limit  $> 80\%$  saturation (95 %ile)*  
*D.O. Upper limit  $< 120\%$  saturation (95 %ile)*

In the tables above, mean and 95%ile results for 2012 are green where high Status would be achieved, orange where good status would be achieved and red for results higher than the EQS for good status.

From the above data the discharge from Athboy WWTP does not appear to be having a significant impact on the water quality in the receiving water.

Using the data from 2012 monitoring the downstream location would achieve high status for Ammonia and MRP and good status for BOD.

At present there is no Environmental Quality Standard for Total Nitrogen. However, looking at the data above there is no significant change in the TN downstream of the plant.

***Section 2.6: Data Collection and Reporting Requirements under the Urban Waste Water Treatment Directive***

The Environmental Section of Meath County Council is responsible for all the data collection and reporting requirement under the Urban Waste Water Treatment Directive. All results have been submitted via EDEN and the Online Urban Waste Water System.

## ***Section 2.7: Pollutant Release and Transfer Register***



Environmental Protection Agency

| PRTR# : D0124 | Facility Name : Athboy Waste Water Treatment Plant | Filename : D0124\_2012.xls | Return Year : 2012 |

[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.16

<b>REFERENCE YEAR</b>	2012
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Meath County Council
Facility Name	Athboy Waste Water Treatment Plant
PRTR Identification Number	D0124
Licence Number	D0124-01

Waste or IPPC Classes of Activity

No.	class_name
30.4	General

Address 1	County Hall
Address 2	Railway Street
Address 3	Navan
Address 4	County Meath
	Meath
Country	Ireland
Coordinates of Location	-6.91101 53.6179
River Basin District	IEEA
NACE Code	3700
Main Economic Activity	Sewerage
<b>AER Returns Contact Name</b>	Kealan McMoreland
<b>AER Returns Contact Email Address</b>	kmcmoreland@meathcoco.ie
<b>AER Returns Contact Position</b>	Technician Grade 1
<b>AER Returns Contact Telephone Number</b>	0469097195
<b>AER Returns Contact Mobile Phone Number</b>	0872782899
<b>AER Returns Contact Fax Number</b>	0469097001
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	1
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(f)	Urban waste-water treatment plants

## 3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

## 4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	No
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## 4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : D0124 | Facility Name : Athboy Waste Water Treatment Plant | Filename : D0124\_2012.xls | Return Year : 2012 |

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## SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this or

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
12	Total nitrogen	M	OTH		3472.142	3472.142	0.0	0.0
13	Total phosphorus	M	OTH		167.952	167.952	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

## SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

## SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
238	Ammonia (as N)	M	ALT		16.465	16.465	0.0	0.0
303	BOD	M	ALT		823.252	823.252	0.0	0.0
306	COD	M	ALT		4939.512	4939.512	0.0	0.0
362	Kjeldahl Nitrogen	M	ALT		3457.658	3457.658	0.0	0.0
327	Nitrate (as N)	M	ALT		3416.496	3416.496	0.0	0.0
372	Nitrite (as N)	M	ALT		16.465	16.465	0.0	0.0
332	Ortho-phosphate (as PO4)	M	ALT		123.488	123.488	0.0	0.0
240	Suspended Solids	M	ALT		2058.13	2058.13	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : D0124 | Facility Name : Athboy Waste Water Treatment Plant | Filename : D0124\_2012.xl

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SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : D0124 | Facility Name : Athboy Waste Water Treatment Plant | Filename : D0124\_2012.xls | Return Year : 2012 |

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SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : D0124 | Facility Name : Athboy Waste Water Treatment Plant | Filename : D0124\_2012.xls | Return Year : 2012 |

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Please enter all quantities on this sheet in Tonnes

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	19 08 01	No	8.0	screenings	D5	E	Volume Calculation	Offsite in Ireland	Panda Waste Services,WCP/DC/09/1188/01	Rathdrinagh,Beauparc Business Park,Navan,Co.Meath,Ireland		
Within the Country	19 08 05	No	107.0	sludges from treatment of urban waste water	R10	E	Volume Calculation	Offsite in Ireland	Boyne Waste Services,WCPMH/009/21	Rathdrinagh,Beauparc Business Park,Navan,Co.Meath,Ireland		

\* Select a row by double-clicking the Description of Waste then click the delete button

## **SECTION 3:**

### **OPERATIONAL REPORTS SUMMARY**

**SECTION 3.1: COMPLAINTS SUMMARY**

<i><b>Number</b></i>	<i><b>Date &amp; Time</b></i>	<i><b>Nature of Complaint</b></i>	<i><b>Cause of Complaint</b></i>	<i><b>Actions Taken</b></i>	<i><b>Closed (Y/N)</b></i>

There were no complaints recorded in during the reporting period 01/01/12 to 31/12/12.

**SECTION 3.2: REPORTED INCIDENTS SUMMARY**

<i>Date &amp; Time</i>	<i>Incident Description</i>	<i>Cause</i>	<i>Corrective Action</i>	<i>Authorities Contacted</i>	<i>Reported to EPA (Yes/No)</i>	<i>Closed (Y/N)</i>
14/8/12	The exceedance relates to Orthophosphate (OP) which has an ELV of 0.6 mg/l under the Athboy waste discharge licence.	Plant Working within normal parameters at time of test. Further onsite test results by EPS for OP were all under ELV Therefore, No further action has been taken.	No further action has been taken.	ERFB*	Yes	Y

\* Eastern Regional Fisheries Board

## **SECTION 4:**

### **INFRASTRUCTURAL ASSESSMENTS AND PROGRAMME OF IMPROVEMENTS**



## SECTION 4.1 TREATMENT CAPACITY

***Treatment Capacity Summary Report Table:***

Hydraulic Capacity – Design / As Constructed (m <sup>3</sup> /day)	-
Hydraulic Capacity – Current loading (m <sup>3</sup> /day)	-
Hydraulic Capacity – Remaining (m <sup>3</sup> /day)	-
Organic Capacity - Design / As Constructed (PE)	5,800
Organic Capacity - Current loading (PE)	3,365
Organic Capacity – Remaining (PE)	2,435
Will the capacity be exceeded in the next three years? (Yes / No)	No

## SECTION 4.2: STORM WATER OVERFLOW IDENTIFICATION AND INSPECTION REPORT

### *SWO Identification and Inspection Summary Report Table:*

How many SWOs are listed in the Schedule A4 of the WWDL?	1
How many additional SWOs are listed in the agglomeration?	0
Total number of SWOs in the agglomeration?	1
How many SWOs are listed as compliant with the DoEHLG Guidance?	1
For each SWO identified as non-compliant with DoEHLG Guidance is there a corrective action plan included in the Programme of Improvements?	0
Does the SWO assessment include the requirements of Schedule A3 & C3	Yes
Have the EPA been advised of any additional SWOs / changes to Schedule C3 and A4 under Condition 1.7?	N/A

**SECTION 4.3: REPORT ON PROGRESS MADE AND PROPOSALS BEING DEVELOPED TO MEET THE IMPROVEMENT PROGRAMME REQUIREMENTS.**

**Licence Condition 5.1: Programme of Infrastructural Improvements.**

There is no planned programme for infrastructure improvements at Athboy WwTP.

**Licence Condition 5.2: Assessing the Programme of Infrastructural Improvements.**

There is no planned programme for infrastructure improvements at Athboy WwTP.

**Licence Condition 5.3: Plan for Implementation of Infrastructural Improvements.**

There is no planned programme for infrastructure improvements at Athboy WwTP.

**Licence Condition 5.4: Programme of Measures for Gathering, Recording, and Retention of Information**

As-Constructed drawings and Mechanical & Electrical drawing are available for inspection at Meath County Council Headquarters. The information includes all the infrastructural components of the waste water works.

## **SECTION 5:**

### **STATEMENT OF MEASURES**

#### **SECTION 5.1: STATEMENT OF MEASURES**

A new WwTP for Athboy was completed and formally taken over by EPS (DBO) in September 2010. As this is a newly commissioned plant there are no plans for any infrastructural improvements. EPS have implemented a Planned Maintenance System (PMS) which is a scheduled plan for the inspection, servicing and calibration of all equipment.

## **SECTION 6:**

### **LICENCE SPECIFIC REPORTS**

**SECTION 6: LICENCE SPECIFIC REPORTS**

<i>Licence Specific Reports</i>	<i>Required in 2012 AER</i>	<i>Included in 2012 AER</i>	<i>Location in 2011 AER</i>
<i>Priority Substances Assessment Report</i>	No	No	Report Not required
<i>Drinking Water Abstraction Point Risk Assessment Report</i>	No	No	Report Not required
<i>Habitats Impact Assessment Report</i>	No	No	Report Not required
<i>Shellfish Impact Assessment Report.</i>	No	No	Report Not required
<i>Toxicity / Leachate Management Report</i>	No	No	Report Not required
<i>Habitats Impact Assessment Report</i>	No	No	Report Not required

## **SECTION 7:**

### **CERTIFICATION AND SIGN OFF**



**SECTION 7.1:****REPORT CHECK LIST (D0124-01)**

Does the AER include an executive summary?	Yes
Does the AER include an assessment of the performance of the Waste Water Works (i.e. have the results of assessments been interpreted against WWDL requirements and or Environmental Quality Standards?	Yes
Is there a need to advise the EPA for consideration of a technical amendment /review of the licence?	No
List reason (e.g. additional SWO identified)	N/A
Is there a need to request/advise the EPA of any modifications to the existing WWDL? (See Condition 1.7 (changes to works/discharges) & Condition 4 (changes to monitoring location, frequency etc.)	No
List the reason (e.g. failure to complete specified works within dates specified in the licence, changes to monitoring requirements)	No
Have these processes commenced? (i.e. Request for Technical Amendment / Licence Review / Change Request)	N/A
Are all outstanding reports and assessments from previous AERs included as an appendix to this AER?	No

**SECTION 7.2:****CERTIFICATION AND SIGN OFF**

As required under EPA Waste Water Discharge Licensing, I certify that the above report is true and accurate.

Prepared By: Kealan McMoreland & Enda Collins

Reviewed By: Enda Collins

Approved By:



**Gerry Boyle**

Senior Engineer

Environment and Water Services Section

Meath County Council