

Annual Environmental Report 2014

Agglomeration Name:	Monaghan Town
Licence Register No.	D0061-01



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Section 1. Executive Summary and Introduction to the 2014 AER

1.1 Summary report on 2014

This Annual Environmental Report has been prepared for D0061-01, Monaghan Town, in County Monaghan in accordance with the requirements of the wastewater discharge licence for the agglomeration. Specified assessments are included as an appendix to the AER as follows:

Priority substances assessment

The agglomeration is served by a wastewater treatment plant with a Design PE of 43,833 p.e. The treatment process includes the following:-

- preliminary treatment (including screening / grit removal)
- primary treatment
- secondary treatment activated sludge
- chemical dosing for phosphorus removal
- tertiary treatment
- sludge dewatering

The final effluent from the Primary Discharge Point was compliant with the Emission Limit Values in 2014 when Licence Conditions were taken into account.

The following parameter exceeded the emission limit value on two occasions in 2014:-

Suspended solids

As per schedule A4 of the licence, three allowable exceedances are permitted each year and neither exceedance was above the 150% threshold.

3623 kgs sludge (total weight sludge) were removed from the wastewater treatment plant in 2014 as dewatered sludge cake. Sludge was transferred to Ballivor, Co Meath, where it is mixed with hydrated lime (5% by weight), before being stored in approved facility, prior to being ploughed into agricultural land spread during the open season as defined by the Regulations.

There were no major capital or operational changes undertaken in 2014. A new dewatering plant is to be installed in 2015 as a measure to increase the quantity of sludge being pressed per hour to keep up with incoming loads.

An Annual Statement of Measures is included in **Appendix 7.1.**

Section 2. Monitoring Reports Summary

2.1 Summary report on monthly influent monitoring

Table 2.1 - Influent Monitoring Summary

	BOD (mg/l)	COD (mg/l)	SS (mg/l)	TP (mg/l)	TN (mg/l)	Hydraulic Loading (m3/d)	Organic Loading (PE/day)
Number of Samples	21	22	22	21	22		
Annual Max.	443	1560	1663	15.40	201.90	12600	93030
Annual Mean	223.29	715.73	458.64	3.20	53.48	4346	16173

Significance of results

The annual mean hydraulic loading is less than the Treatment Plant Capacity as detailed further in Section 3.2.

The annual maximum organic loading is greater than the Treatment Plant Capacity as detailed further in Section 3.2.

2.2 Discharges from the agglomeration

Table 2.2 - Effluent Monitoring Summary

Table 2.2 - Efficient Monitorni	BOD	COD	TSS	Ammo	Total P	Total N	Other	Comment
	(mg/l)	(mg/l)	(mg/l)	nia (mg/l)	(mg/l)	(mg/l)	Parameters specified in the WWDL	
WWDL ELV (Schedule A)	25	125	25	N/A	2	N/A	N/A	
ELV with Condition 2				,	Annual	,	,	
Interpretation included	No result >100% ELV =	No result >100% ELV = 250mg	No result >150% ELV =		mean shall not exceed ELV, no result shall exceed ELV by >20% = 2.4mg/			25 samples taken, therefore 3
	20mg/l	/I	25mg/l	N/A	1	N/A	N/A	'allowable' failures
Number of sample results	25	25	25	25	25	25	25	
Number of sample results above WWDL ELV	0	0	2	N/A	0	N/A	N/A	
Number of sample results above ELV with Condition 2 Interpretation included								
	0	0	0	N/A	0	N/A	N/A	
Annual Mean (for	N/A	N/A	N/A	N/A	0.19	N/A	N/A	

parameters where a mean								
ELV applies)								
Overall Compliance								
(Pass/Fail)								
	Pass	Pass	Pass	N/A	Pass	N/A	N/A	

Significance of results

The WWTP was compliant with the ELVs set in the wastewater discharge licence when licence conditions are taken into account. The cause of the suspended solids exceedances is unknown; the trend prior to and after them is under the ELVs for all parameters tested. As per schedule A4 of the licence, three allowable exceedances are permitted each year and neither exceedance was above the 150% threshold. The impact on receiving waters is assessed further in Section 2.3.

2.3 Ambient monitoring summary

Table 2.3 - Ambient Monitoring Report Summary

Ambient Monitoring Point from WWDL (or as agreed with EPA)	Irish Grid Reference	EPA Feature Coding Tool code	Current EQS Status	Does assessment of the ambient monitoring results indicate that the discharge is impacting on water quality?
Upstream monitoring point	Easting: 267812.14 Northing: 333762.17	RS03S010270	Poor status	n/a
Downstream monitoring point	Easting: 267939.09 Northing: 334666.94	RS03S010400	Poor status	No

The results for the upstream and downstream monitoring are included in Appendix 7.2.

Significance of results

The WWTP was compliant with the conditions set in the wastewater discharge licence as detailed in Section 2.2.

The discharge from the wastewater treatment plant does not have an observable impact on the water quality status.

2.4 Data collection and reporting requirements under the Urban Waste Water Treatment Directive

The electronic submission of data was completed by MCC on: a monthly basis, by the middle of succeeding month, to the EPA via MDS (formally EDEN) in XML format.

2.5 Pollutant Release and Transfer Register (PRTR) - report for previous year

The PRTR report for 2014 is included in Appendix 7.3.



Section 3 Operational Reports Summary

3.1 Treatment Efficiency Report

A summary presentation of the efficiency of the treatment process including information for all the parameters specified in the licence is included below:-

Table 3.1 - Treatment Efficiency Report Summary

-	cBOD	COD	SS	Total P	Total N	Comment
	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)	(kg/yr)	
Influent mass loading (kg/year)						
	17955	59785	35144	272	58567	
Effluent mass emission (kg/year)						
	485	4700	1138	17	2206	
% Efficiency						
(% reduction of influent load)	97.30	92.14	96.76	93.81	96.23	

3.2 Treatment Capacity Report

Table 3.2 - Treatment Capacity Report Summary (excludes now redundant "old treatment works")

2,896,275
13,503,175
1,580,986
11,922,000
37,400
16,173
21,227
No

3.3 Extent of Agglomeration Summary Report

In this section Irish Water is required to report on the amount of urban waste water generated within the agglomeration. It does not include any waste water collected and treated in a private system and discharged to water under a Section 4 Licence issued under the Water Pollution Acts 1977 (as amended):



Table 3.3 - Extent of Agglomeration Summary Report

	% of p.e. load generated in the agglomeration
Load generated in the agglomeration that is collected in the sewer network	100%
Load collected in the agglomeration that enters treatment plant	100%
Load collected in the sewer network but discharged without treatment	0%

Load generated in the agglomeration that is collected in the sewer network is the total load generated and collected in the municipal network within the boundary of the agglomeration.

Load collected in the agglomerations that enters treatment plant is that portion of the previous figure which enters the waste water treatment plant

Load collected but discharged without treatment is that portion of the first figure which is discharged without treatment.

The data in Table 3.3 above is based on influent monitoring as detailed in Section 2.1 above.

3.4 Complaints Summary

A summary of complaints of an environmental nature is included below.

Table 3.4 - Complaints Summary Table:

Number	Date &	Nature of	Cause of	Actions taken to	Closed (Y/N)
	Time	Complaint	Complaint	resolve issue	
20758349	7/5/14	Sewage Flooding	Poorly laid sewage	Relay sewer pipes to	Υ
			system with pipes	ensure better flow	
			misconnected	foul & stormwater	
				flow regime and	
				remove	
				misconnections	
20860078	23/05/2014	Sewage Flooding	Blocked sewer	Rodded sewer to	Υ
			with solids from	relieve blockage	
			domestic waste		
			water		
21007275	9/6/14	Sewage Flooding	Blocked sewer	Rodded sewer to	Υ
			with solids from	relieve blockage	
			domestic waste		
			water		
21548835	11/08/2014	Sewage Flooding	Broken partially	Replace 2m section	Υ
			collapsed 100mm	of 100mm pipework	
			pipe causing	to allow continuous	
			discharge of waste	flow.	
			water to footpath		
21564258	18/08/2014	Sewage Flooding	225mm foul pipe	Reline the 225mm	Υ

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			in Dublin st	foul sewer with GRP	
			collapsed causing	lining internally to	
			backup of WW	allow full bore	
			onto footpath	continuous flows.	
21642169	03/09/2014	Sewage Flooding	225mm foul pipe	Reline the 225mm	Υ
			in Dublin st	foul sewer with GRP	
			collapsed causing	lining internally to	
			backup of WW	allow full bore	
			onto footpath	continuous flows.	
21644418	03/09/2014	Sewage Flooding	Waste water	Rodding of sewer	Υ
			discharging onto	because it has poor	
			footpath	gradient and will	
				occasionally block.	
22188373	12/11/2014	Sewage Flooding	225mm foul pipe	Reline the 225mm	Υ
			in Dublin st	foul sewer with GRP	
			collapsed causing	lining internally to	
			backup of WW	allow full bore	
			onto footpath	continuous flows.	
22314718	27/11/2014	Sewage Flooding	225mm foul pipe	Reline the 225mm	Υ
			in Dublin st	foul sewer with GRP	
			collapsed causing	lining internally to	
			backup of WW	allow full bore	
			onto footpath	continuous flows.	

3.5 Reported Incidents Summary

A summary of reported incidents is included below.

Table 3.5.1 - Summary of Incidents

Incident Type (e.g. Non- compliance, Emission, spillage, Emergency Overflow Activation)	Incident Description	Cause	No. of incidents	Corrective Action	Authorities Contacted Note 1	Reported to EPA (Yes/No)	Closed (Y/N)
Pollution incident	Uncontrolled release of sewage to adjoining river	Blockage on pumping station, Blocked sewer and overflow, misconnections from houses found, cracked sewer releasing sewage to	4	Pumping station cleaned, Line cleaned and investigating alert system for SWO, misconnection to be addressed,	EPA, Fisheries	Yes	Yes

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	culvert		repairs to		
			cracked sewer		
			going to		
			tender		

Table 3.5.2 - Summary of Overall Incidents

Number of Incidents in 2014	4
Number of Incidents reported to the EPA via EDEN in 2014	4
Explanation of any discrepancies between the two numbers above	n/a

Irish Water are in continuous communication with Local Authorities reiterating the requirement to report incidents to the EPA as per Waste Water Discharge Licence Requirements. Discussions in relation to this matter are also progressing at senior management level between Irish Water and the Local Authorities. In addition to this Incident Management training will also be provided to Local Authorities in 2015 to address concerns associated with incident classification, reporting requirements and incident notification.

3.6 Sludge / Other inputs to the WWTP

'Other inputs' to the waste water treatment plant are summarised in Table 3.6 below.

Table 3.6 - Other Inputs

Input type	m3/year	PE/year	% of load to WWTP	Is there a leachate/sludge acceptance procedure for the WWTP? (Y/N)	Is there a dedicated leachate/sludge acceptance facility for the WWTP? (Y/N)
Domestic /Septic Tank Sludge	387	387,000	2.87	N	Υ
Industrial / Commercial Sludge	6975	2,121,120	15.7	N	Υ
Landfill Leachate (delivered by tanker)	49,494	15,000	0.4%	N	Υ
Landfill Leachate (delivered by sewer network)	0	n/a	n/a	N	Υ
Other (specify) SLUDGES FROM WATER AND WASTE WATER TREATMENT PLANTS ACROSS COUNTY MONAGHAN	17,456	4,422,187	32.74	n/a	n/a



Section 4. Infrastructural Assessments and Programme of Improvements

4.1 Storm water overflow identification and inspection report

As per Condition 4.12.1 of the Licence, a Storm Water Overflow Identification & Inspection report is required in the 2nd AER for Monaghan WWTP.

Table 4.1.1 - SWO Identification and Inspection Summary Report

	1	1		, <u>, , , , , , , , , , , , , , , , , , </u>		I .	I -	I
WWDL	Irish	Included	Significance	Compliance	No. of	Total	Total	Estimated
Name /	Grid	in	of the	with	times	volume	volume	/Measured
Code for	Ref.	Schedule	overflow	DoEHLG	activated	discharged	discharged	data
Storm		A4 of the	(High /	Criteria	in 2014	in 2014	in 2014	
Water		WWDL	Medium /		(No. of	(m3)	(P.E.)	
Overflow			Low)		events)			
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 4.1.2 - SWO Identification and Inspection Summary Report

How much sewage was discharged via SWOs in the agglomeration in the year (m3/yr)?	N/A
How much sewage was discharged via SWOs in the agglomeration in the year (p.e.)?	N/A
What % of the total volume of sewage generated in the agglomeration was discharged via SWOs in the agglomeration in 2014?	N/A
Is each SWO identified as non-compliant with <u>DoEHLG Guidance</u> included in the Programme of Improvements?	N/A
The SWO assessment includes the requirements of Schedule A3 & C3	N/A
Have the EPA been advised of any additional SWOs / changes to Schedule C3 and A4 under Condition 1.7?	N/A

4.2 Report on progress made and proposals being developed to meet the improvement programme requirements.

This is the first AER for this agglomeration – an Improvement Programme will be included in the 2^{nd} AER as required.

Refer to Appendix 7.1 which summarises the Annual Statement of Measures.

There were no specified improvements in the WWDL.



Table 4.2.1 - Specified Improvement Programme Summary

Specified Improvement Programmes (under Schedule A and C of WWDL)	Licence Schedule (A or C)	Licence Completion Date	Date Expired? (N/NA/Y)	Status of Works ((i) Not Started; (ii) At planning stage; (iii) Work ongoing on- site; (iv) Commissioning Phase; (v) Completed; (vi) Delayed;)	Construction Work Completed	Timeframe for Completing the Work	Comments
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

A summary of the status of any improvements identified by under Condition 5.2 is included below.

Table 4.2.2 - Improvement Programme Summary

Improvement Identifier	Improvement Description	Improvement Source	Progress (% completed)	Expected Completion Date	Comments
	N/A	WWTP assessment (Condition 5.2).	N/A	N/A	Required in 2 nd AER
	N/A	Sewer Integrity Tool (Condition 5.2).	N/A	N/A	Required in 2 nd AER
	N/A Secondary discharges N/A assessment (Condition 5.2).		N/A	N/A	N/A
	N/A	SWO assessment (Condition 4 & 5.2).	N/A	N/A	Required in 2 nd AER
	N/A	Drinking Water Abstraction Risk Assessment (Condition 4)	N/A	N/A	N/A
	N/A	Shellfish Impact Risk Assessment (Condition 5)	N/A	N/A	N/A
	N/A	Pearl Mussel Impact Assessment (Condition 4)	N/A	N/A	N/A
	N/A	Improved Operational Control	N/A	N/A	Required in 2 nd AER
	N/A	Incident Reduction	N/A	N/A	Required in 2 nd AER
	N/A	Elimination/Reduction of Priority Substances	N/A	N/A	Required in 2 nd AER



This is the first AER for this agglomeration – a Sewer Integrity Risk Assessment will be included in the 2^{nd} AER as required.

Table 4.2.3 - Sewer Integrity Risk Assessment Tool Summary

The Improvement Programme should include an assessment of the integrity of the existing wastewater works for the following:	Risk Assessment Rating (High, Medium, Low)	Risk Assessment Score	Comment
Hydraulic Risk Assessment Score	N/A	N/A	N/A
Environmental Risk Assessment Score	N/A	N/A	N/A
Structural Risk Assessment Score	N/A	N/A	N/A
Operation & Maintenance Risk Assessment Score	N/A	N/A	N/A
Overall Risk Score for the agglomeration	N/A	N/A	N/A



Section 5. Licence Specific Reports

Licence Specific Reports Summary Table

Licence Specific Report	Required in 2014 AER or outstanding from previous AER	Included in 2014 AER	Reference to relevant section of AER (e.g. Appendix 2 Section4.
Priority Substances Assessment	Yes	Yes	Partial Assessment summarised in Section 5.1
Drinking Water Abstraction Point Risk Assessment	No	No	N/A
Habitats Impact Assessment	No	No	N/A
Shellfish Impact Assessment	ellfish Impact Assessment No		N/A
Pearl Mussel Report	No	No	N/A
Toxicity/Leachate Management	No	No	N/A
Toxicity of Final Effluent Report	No	No	N/A

Licence Specific Reports Summary of Findings

Licence Specific Report	Recommendations in Report	Summary of Recommendations in Report
Priority Substances Assessment	Yes	Partial assessment of substances carried out. No Exceedances noted. Full assessment to be carried out as part of the 2 nd AER.
Drinking Water	N/A	N/A
Abstraction Point		
Risk Assessment		
Habitats Impact	N/A	N/A
Assessment		
Shellfish Impact	N/A	N/A
Assessment		
Pearl Mussel Report	N/A	N/A
Toxicity/Leachate	N/A	N/A
Management		
Toxicity of Final	N/A	N/A
Effluent Report		



5.1 Priority Substances Assessment

A partial assessment for priority substances is included in Appendix 7.4. A further assessment will be undertaken as part of the 2nd AER to screen for all other substances as per Table 11 of SI 27 of 2009. A summary of the findings of this report is included below.

Table 5.1 - Priority Substance Assessment Summary

Table 3.12 Thomas dabatance 7.53e35ment Gammar y	
	Licensee self- assessment checks to determine whether all
	relevant information is included
	in the Assessment.
Does the assessment use the Desk Top Study Method or Screening	
Analysis to determine if the discharge contains the parameters in	Desk Top Study and screening
Appendix 1 of the EPA guidance	, ,
Does the assessment include a review of Trade inputs to the works?	Yes
Does the assessment include a review of other inputs to the works?	Yes
Does the report include an assessment of the significance of the results	
where a listed material is present in the discharge? (e.g. impact on the	Yes
relevant EQS standard for the receiving water)	
Does the assessment identify that priority substances may be impacting the receiving water?	No
Does the Improvement Programme for the agglomeration include the	
elimination / reduction of all priority substances identified as having an	N/A
• • •	IN/A
impact on receiving water quality?	

5.2 Drinking Water Abstraction Point Risk Assessment.

The Drinking Water Abstraction Point Risk Assessment is not required.

5.3 Shellfish Impact Assessment Report.

A Shellfish Impact Assessment Report is not required.

5.4 Toxicity / Leachate Management

A Toxicity / Leachate Management Assessment report is not required.

5.5 Toxicity of the Final Effluent Report

A Toxicity / Leachate Management Assessment report is not required.

5.6 Pearl Mussel Measures Report

A sub-basin management plan in relation to Pearl Mussels is not required.

5.7 Habitats Impact Assessment Report

A Habitats Impact Assessment Report is not required.



Section 6. Certification and Sign Off

Table 6.1 - Summary of AER Contents

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	Yes
requirements and or Environmental Quality Standards)?	
Is there a need to advise the EPA for consideration of a technical amendment /	N.s.
review of the licence?	No
List reason e.g. additional SWO identified (insert lines as required)	N/A
Is there a need to request/advise the EPA of any modifications to the existing	
WWDL? Refer to Condition 1.7 (changes to works/discharges) & Condition 4	No
(changes to monitoring location, frequency etc.)	
List reason e.g. failure to complete specified works within dates specified in the	21/2
licence, changes to monitoring requirements (insert lines as required)	N/A
Have these processes commenced? (i.e. Request for Technical Amendment /	N1/A
Licence Review / Change Request)	N/A
Are all outstanding reports and assessments from previous AERs included as an	NI/A
appendix to this AER?	N/A
List outstanding reports (insert lines as required)	N/A

Declaration by Irish Water

The AER contains the following;

- Introduction and background to 2014 AER
- Monitoring reports summary.
- Operational reports summary.
- Certification and Sign Off
- Appendices

I certify that to the best of my knowledge the information given in this Annual Environmental Report is truthful, accurate and complete:

Signed:

Date. <u>08/04/2013</u>

Gerry Galvin
Chief Technical Advisor



Section 7. Appendix

Appendix 7.1 - Annual Statement of Measures

Appendix 7.2 - Ambient monitoring summary

Appendix 7.3 - Pollutant Release and Transfer Register (PRTR) Summary Sheets

Appendix 7.4 - Priority substances assessment



Appendix 7.1. Annual Statement of Measures

Annual Statement of Measures

Risk /Description of issue	Risk Score	Mitigation Measure to be taken	Outcome	Action	Date for Completion	Owner/ Contact Person
SWO		Install flow meters with alarms	2 installed in 2014.	Install remaining SWO	2015/2016	C McCrossan
Upgrade sludge press facilities		To maintain processing levels of all incoming sludges	Asset Needs Brief Under Review	Additional dewatering equipment approved	PROGRESSING IN 2015	C McCrossan



Appendix 7.2 - Ambient monitoring summary

Upstream monitoring	results													
Location	Flow M3/day	Locatio n	Date of Sam plin g	Sam ple Type (C or G)	Te mp	рН	cB OD mg/	CO D mg /I	Suspen ded Solids mg/l	Ort ho P mg/ I (as P)	Total Phosph orus mg/l (as P)	Ammo nia (as N)	Total Nitro gen mg/l (as N)	Dissol ved Oxyge n (DO) mg/l
Monaghan		Up Stream Of Works	08/0 1/20 14	G	9.6		1			0.03	0.06	0.06	3.00	9.9
Monaghan		Up Stream Of Works	02/0 4/20 14	G	9.4	7.7	5			0.07	0.13	0.68	2.30	8.9
Monaghan		Up Stream Of Works	20/0 5/20 14	G	9.4	7.7	4			0.01	0.04	0.32	1.00	0.9
Monaghan		Up Stream Of Works	08/0 7/20 14	G		8	1			0.06	0.10	0.08	1.10	
Monaghan		Up Stream Of Works	27/0 8/20 14	G	14. 8	7.6	3			0.12	0.14	0.77	1.00	4.35
Monaghan		Up Stream Of Works	24/0 9/20 14	G	15. 5	7.5	2			0.21	0.18	1.12	1.30	4.8
Monaghan		Up Stream Of Works	07/1 0/20 14	G		7.8	4			0.06	0.13	0.38	1.70	-
Monaghan		Up Stream Of Works	17/1 1/20 14	G	11. 2	7.6	1			0.04	0.07	0.11	2.00	7.87
Monaghan		Up Stream Of Works	02/1 2/20 14	G	10. 4	8.2 0	2.00			0.04	0.05	0.15	1.60	7.99
Average						7. 78	2.56			0.0 7	0.10	0.41	1.67	7.30

Downstream monitoring results														
Location	Flow M3/day	Location	Date of Samp ling	Samp le Type (C or G)	Temp	рН	cBOD mg/l	COD mg/l	Suspen ded Solids mg/l	Ort ho P mg/l (as P)	Total Phospho rus mg/l (as P)	Ammo nia (as N)	Total Nitrog en mg/l (as N)	Dissolv ed Oxyge n (DO) mg/l
Monaghan		Down Stream of Works	08/0 1/20 14	G	9.4		4			0.0	0.11	0.88	8.90	10
Monaghan		Down Stream of Works	02/0 4/20 14	G	9.9	7.6	6			0.0	0.13	0.62	3.90	8.6

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	Down Stream	20/0 5/20						0.0				
Monaghan	of Works	14	G		7.6	1		5	0.07	8.05	9.60	
Monaghan	Down Stream of Works	23/0 7/20 14	G		7.3	1		0.6 0	0.11	0.21	24.10	
Monaghan	Down Stream of Works	27/0 8/20 14	G	15.4	7.5	3		0.0 7	0.10	0.32	26.90	6.25
Monaghan	Down Stream of Works	24/0 9/20 14	G	16.2	7.6	6		0.1	0.09	5.75	13.60	6.03
Monaghan	Down Stream of Works	07/1 0/20 14	G		7.7	5		0.0 5	0.15	5.42	9.70	
Monaghan	Down Stream of Works	17/1 1/20 14	G	10.3	7.5	2		0.2 8	0.32	0.02	4.30	8.27
Monaghan	Down Stream of Works	02/1 2/20 14	G	9.7	8.2	7		0.0 4	0.04	2.60	10.40	7.99
Average					7. 63	3.89		0.1 4	0.12	2.65	12.3 8	7.86



Appendix 7.3 - Pollutant Release and Transfer Register (PRTR) Summary Sheets



Guidance to completing the PRTR workbook

AER Returns Workbook

Version (

	Version 1.1.18
REFERENCE YEAR	2014
1. FACILITY IDENTIFICATION	
Parent Company Name	Irish Water
Facility Name	Monaghan Waste water treatment plant
PRTR Identification Number	D0061
Licence Number	D0061-01
Classes of Activity	
No.	class_name
-	Refer to PRTR class activities below
·	
Address 1	
Address 2	
Address 3	
Address 4	
	Monaghan
Country	
	-6.95986496 54.24767012
River Basin District	-
NACE Code	
Main Economic Activity	
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0

2. PRTR CLASS ACTIVITIES

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

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

Number of Employees
User Feedback/Comments

Web Address

0. 00EVENTO NEGOEMITONO (0.11. NO. 040 01 200	<i>/</i> =,
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) ?	

This question is only applicable if you are an IPPC or Quarry site

ON A : SECTOR SPECIFIC PRTR POLLUTANTS

	RELEASES TO AIR		Please enter all quantities in this section in KGs										
PO	LLUTANT		METHO	OD		QUANTITY							
			Met	hod Used									
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					

	RELEASES TO AIR	Please enter all quantities in this section in KGs								
PO	LLUTANT			METHOD	QUANTITY					
				Method Used						
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										

SI	CTION C : REMAINING POLLUTANT EM	ISSIONS (As required in your Licence)									
		RELEASES TO AIR	Please enter all quantities in this section in KGs								
	PO		M	ETHOD	QUANTITY						
			Method Used								
	Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (A	ccidental) 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										

Additional Data Requested from Lan	dfill operators					
summary data on landfill gas (Methane) flared or utili- methane generated. Operators should only report the T(total) KG/yr for Section A: Sector specific PRTR pol	,					
Landfill:	Monaghan Waste water treatment plant				_	
Please enter summary data on the						
quantities of methane flared and / or						
utilised			Meth	od Used		
				Designation or	Facility Total Capacity	
	T (Total) kg/Year	M/C/E	Method Code	Description	m3 per hour	
Total estimated methane generation (as per						
site model)					N/A	
Methane flared						(Total Flaring Capacity)
Methane utilised in engine/s					0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section						
A above)	0.0				N/A	

CTOR SPECIFIC PRT	TD DOLLLITANTS	Date on	ambient monitoring of storm/surface water or groundy	water, conducted as part of your lic	and the second second second	The automitted and a Af	ED / DOTO Describes on the
TOR SPECIFIC PRI	RELEASES TO WATERS	Data on a	smolent monitoring of storm/surface water or grounds	Please enter all quantities	in this section in KGs	i be submitted under Ab	ER / PRIK Reporting as tr
	POLLUTANT					ANTITY	
			Method Used				
No. Annex II	Name 1,2-dichloroethane (EDC)	M/C/E	Method Code Designation or Description EPA WWTP Tool	Emission Point 1 0.0	T (Total) KG/Year A (A	ccidental) KG/Year 0.0	F (Fugitive) KG/Year 0.0
	Alachlor	F	EPA WWTP Tool	0.0	0.0	0.0	
	Aldrin	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Anthracene	E	EPA WWTP Tool	0.0	0.0	0.0	
	Arsenic and compounds (as As)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Atrazine	E	EPA WWTP Tool	0.0	0.0	0.0	
	Benzene	E	EPA WWTP Tool	0.0	0.0	0.0	
	Benzo(g,h,i)perylene Brominated diphenylethers (PBDE)	E	EPA WWTP Tool EPA WWTP Tool	0.0 0.0	0.0 0.0	0.0	
	Cadmium and compounds (as Cd)	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Chlordane	Ĕ	EPA WWTP Tool	0.0	0.0	0.0	
	Chlordecone	E	EPA WWTP Tool	0.0	0.0	0.0	0.0
	Chlorfenvinphos	E	EPA WWTP Tool	0.0	0.0	0.0	
	Chlorides (as CI)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Chloro-alkanes, C10-C13	E	EPA WWTP Tool	0.0	0.0	0.0	
	Chlorpyrifos	E	EPA WWTP Tool	0.0	0.0	0.0	
	Chromium and compounds (as Cr) Copper and compounds (as Cu)	Ė	EPA WWTP Tool EPA WWTP Tool	0.0 0.0	0.0 0.0	0.0	
	Cyanides (as total CN)	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	DDT	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Di-(2-ethyl hexyl) phthalate (DEHP)	Ē	EPA WWTP Tool	0.0	0.0	0.0	0.0
	Dichloromethane (DCM)	E	EPA WWTP Tool	0.0	0.0	0.0	0.0
	Dieldrin	E	EPA WWTP Tool	0.0	0.0	0.0	
	Diuron	E	EPA WWTP Tool	0.0	0.0	0.0	
	Endosulphan Endrin	E	EPA WWTP Tool EPA WWTP Tool	0.0 0.0	0.0 0.0	0.0	
	Ethyl benzene	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Fluoranthene	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Fluorides (as total F)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Halogenated organic compounds (as AOX)	E	EPA WWTP Tool	0.0	0.0	0.0	0.0
	Heptachlor	E	EPA WWTP Tool	0.0	0.0	0.0	
	Hexabromobiphenyl	E	EPA WWTP Tool	0.0	0.0	0.0	
	Hexachlorobenzene (HCB)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Hexachlorobutadiene (HCBD) Isodrin	E	EPA WWTP Tool EPA WWTP Tool	0.0 0.0	0.0 0.0	0.0	
	Isoproturon	Ē	EPA WWTP Tool	0.0	0.0	0.0	0.0
	Lead and compounds (as Pb)	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Lindane	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Mercury and compounds (as Hg)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Mirex	E	EPA WWTP Tool	0.0	0.0	0.0	
	Naphthalene	E	EPA WWTP Tool	0.0	0.0	0.0	
	Nickel and compounds (as Ni) Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	E	EPA WWTP Tool EPA WWTP Tool	0.0	0.0 0.0	0.0	
	Octylphenol and Octylphenol ethoxylates (NP/NPEs)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Organotin compounds (as total Sn)	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Pentachlorobenzene	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Pentachlorophenol (PCP)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Phenois (as total C)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Polychlorinated biphenyls (PCBs)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Polycyclic aromatic hydrocarbons (PAHs) Simazine	E	EPA WWTP Tool	0.0	0.0 0.0	0.0	
	Simazine Tetrachloroethylene (PER)	E	EPA WWTP Tool EPA WWTP Tool	0.0	0.0	0.0	
	Tetrachloroethylene (PER) Tetrachloromethane (TCM)	Ė	EPA WWTP Tool	0.0	0.0	0.0	
	Toluene	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Total nitrogen	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Total organic carbon (TOC) (as total C or COD/3)	E	EPA WWTP Tool	0.0	0.0	0.0	
	Total phosphorus	E	EPA WWTP Tool	0.0	0.0	0.0	
	Toxaphene	E	EPA WWTP Tool	0.0	0.0	0.0	
	Tributyltin and compounds	E	EPA WWTP Tool EPA WWTP Tool	0.0	0.0 0.0	0.0	
	Trichlorobenzenes (TCBs)(all isomers) Trichloroethylene	Ė	EPA WWTP Tool	0.0	0.0	0.0	
	Trifluralin	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Triphenyltin and compounds	Ē	EPA WWTP Tool	0.0	0.0	0.0	
	Vinyl chloride	E	EPA WWTP Tool	0.0	0.0	0.0	
	Xylenes	E	EPA WWTP Tool	0.0	0.0	0.0	0.0
	Zinc and compounds (as Zn)	E	EPA WWTP Tool	0.0	0.0	0.0	0.0

SECTION B : REMAINING PRTR POLLUTA										
	RELEASES TO WATERS	Please enter all quantities in this section in KGs								
	POLLUTANT						QUANTITY			
				Method Used				İ		
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 EM	ISSIONS (as required in your Licence)									
	RELEASES TO WATERS	Please enter all quantities in this section in KGs								
	POLLUTANT				QUANTITY					
				Method Used						
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		
					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# : D0061 | Facility Name : Monaghan Waste water treatment plant | Filename : Monaghan D0061_2014.xlsm | Return Year : 2014 |

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SECTION A : PRTR POLLUTANTS

	RELEASES TO LAND		Please enter all quantities in this section in KGs						
POLLUTANT			METHO	D		QUANTITY			
			Met	hod Used					
No. Annex II	Name	M/C/E	Method Code Designation or Description		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year		
	•				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	s		
PO	POLLUTANT					QUANTITY		
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Y	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 | PRITRE : DODG! | Facility Name : Monagham Waste water treatment plant | Filename : Monagham D0061 : 2014 . Msm | Return Year : 2014 | Please enter all quantities on this sheet in Tonnes

	Transfer Destination	European Waste Code	(To	Quantity onnes per Year)	Description of Waste	Waste Treatment Operation		Method Used Method Used	Location of Treatment	risz wasie : name and Licence/Permit No of Next Destination Facility Non 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
--	----------------------	------------------------	-----	--------------------------------	----------------------	---------------------------------	--	-------------------------	--------------------------	---	--	---	-------------------------------------

Euromex T/A McElvaney's
Waste & Waste & Corcaghan,,,,,Monaghan,Irela
Offsite in Ireland 9B nd D5 Weighed Within the Country 19 08 01 15.4 screenings

Within the Country 19 08 05 No 3522.28 sludges from treatment of urban waste water

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

Link to previous years waste data Link to previous years waste summary data & percentage change Link to Waste Guidance



Appendix 7.4 - Priority substances assessment

Under Schedule B of the discharge licence, a priority substance assessment is required for the primary discharge effluent by undertaking a risk based assessment in accordance with the DoEHLG document 'Guidance on the Screening for Priority Substances for Waste Water Discharge Licences'. Screening of a representative sample of effluent was under taken as part of the original license application. Only some of the substances were measured and out of those that were there are no exceedances noted. A further desktop assessment will be undertaken as part of the 2nd AER. It should also be noted that there are currently no heavy industrial facilities discharging to the Monaghan sewer network.