

Issue Code:	PMS
Date of Issue:	21/06/2013
Originator:	Owen Rea
Authorised by:	



Mogeely Waste Water Treatment Plant

Operational Report
For August 2013

DATE **DESCRIPTION** REV. No. APPROVED BY **ISSUED BY** 21/1/13 Barry O'Toole Initial Issue 0 Owen Rea

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1. Introduction

This report covers the period of August 2013 for the operation of Mogeely Waste Water Treatment Plant by EPS on behalf of Cork County Council.

EPS commenced the operate contract for the Mogeely WWTP on 20th May 2013.

This is the 3nd report submitted to client since commencement of operations by EPS.

The format of this report conforms to the requirements of the PMS for WWTP.

2. Executive Summary

This report summarizes the operation and maintenance, as well as performance, of the treatment plant at Mogeely for the month of August 2013.

	Total	1941	m3/day
	Max	80	m3/day
Inlet Flow	Min	43	m3/day
	Ave	63	m3/day
	% DWF	46%	2 Pilit edi
	Ave PE	313	PE/day

			inspired of
	Total	2213 🎺	M3/day
Outlet Flow	Max	134	[™] m3/day
	Min	20 0	m3/day
	Ave	Z4 [©]	m3/day

	Ave Conc	117.25	mg/l
Biological Loading	Ave Load	7.3	kgBOD/day
Biological Loading	% Design	20.4%	
	Ave PE	122.4	PE/day

0 No.screening bin removed from site during the month.

Routine maintenance is carried out in accordance with the daily and weekly checks.

There were no accidents on site during August.

Plant flows were normal entering the plant during the month.

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Analysis

EPS staff performed on-site analysis and an external laboratory performed BOD analysis. The results can be summarised as follows:

Average Influent Concentrations:

Parameter	BOD mg/l O2	COD mg/l O2	рН	SS mg/l	Ammonia mg/l	TP- mg/l P
Average	117.25	636.50	7.80	507.50	25.83	6.59

Average Final Effluent Concentrations:

Parameter	BOD mg/l O2	COD mg/l O2	рН	SS mg/l	Ammonia mg/l	TP- mg/l P
Average	4.00	38.40	7.51	18.00	1.40	0.27

Analysis results for the month showed compliance with the requirements of the contract except for 1 SS Consent of copyright owner required for any failure on the 30th of the month. The reasoning for this this is currently under investigation and a report shall be forwarded as soon as a reason is notified.

The plant is operating satisfactorily



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3. Graphical Presentation of Data

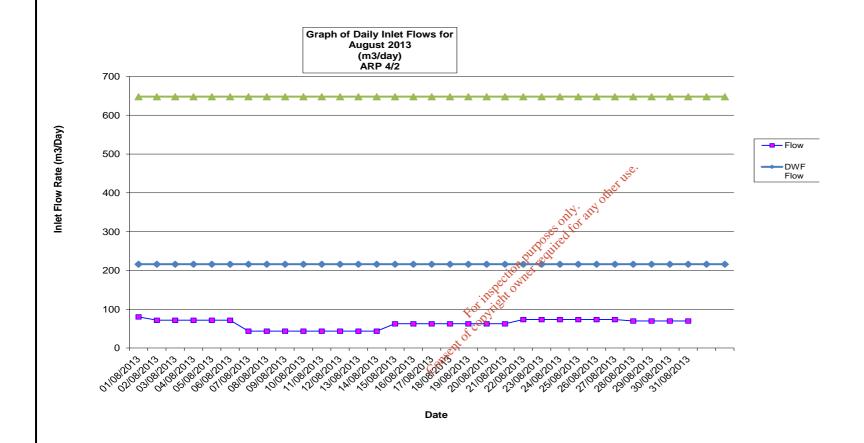
ARP4/1

Table of total daily inlet flows for August 2013	
Date	Flow
01/08/2013	80
02/08/2013	72
03/08/2013	72
04/08/2013	72
05/08/2013	72
06/08/2013	72
07/08/2013	43
08/08/2013	43
09/08/2013	43
10/08/2013	43
11/08/2013	43
12/08/2013	43, 152
13/08/2013	48
14/08/2013	33' art 43
15/08/2013	62 62 62 62 62 62 63 64 65 62 65 66 67 67 68 69 60 60 60 60 60 60 60 60 60 60
16/08/2013	go ⁵ ite ⁰ 62
17/08/2013	62
18/08/2013	adito net 62
19/08/2013	.1150 to 62
20/08/2013	of sit 62
21/08/2013	62
22/08/2013	73
22/08/2013 23/08/2013	73
24/08/2013	73
25/08/2013	73
26/08/2013	73
27/08/2013	73
28/08/2013	70
29/08/2013	70
30/08/2013	70

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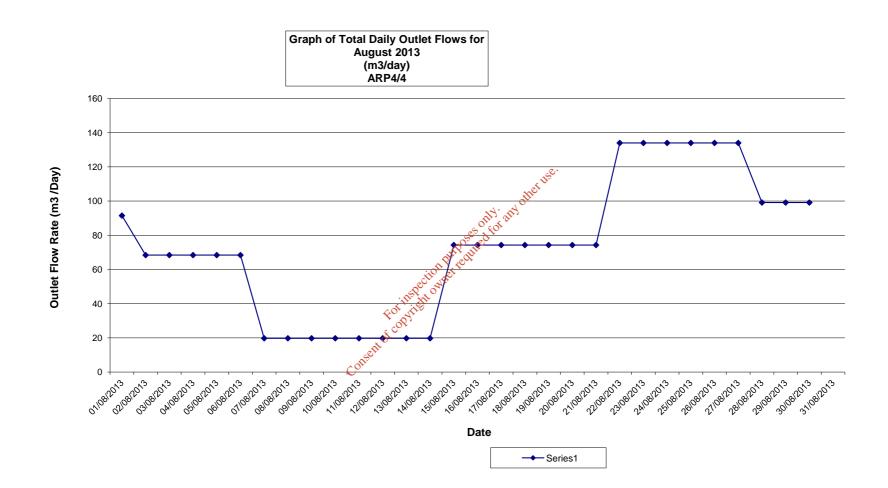
ARP4/3

Table of total daily outlet flows for August 2013	
	Outlet Flow (m ³)
01/08/2013	92
02/08/2013	68
03/08/2013	68
04/08/2013	68
05/08/2013	68
06/08/2013	68
07/08/2013	20
08/08/2013	20
09/08/2013	20
10/08/2013	20
11/08/2013	20
12/08/2013	20
13/08/2013	20
14/08/2013	20
15/08/2013	74 💩
16/08/2013	74
17/08/2013	74
18/08/2013	odly att 74
19/08/2013	25 NO 74
20/08/2013	aufferite 74
21/08/2013	recitanti 134
22/08/2013	134
23/08/2013	(in 134)
24/08/2013	134
25/08/2013	134
26/08/2013	134
26/08/2013 26/08/2013 27/08/2013	134
28/08/2013	99
29/08/2013	99
30/08/2013	99
31/08/2013	

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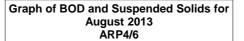
ARP 4/5

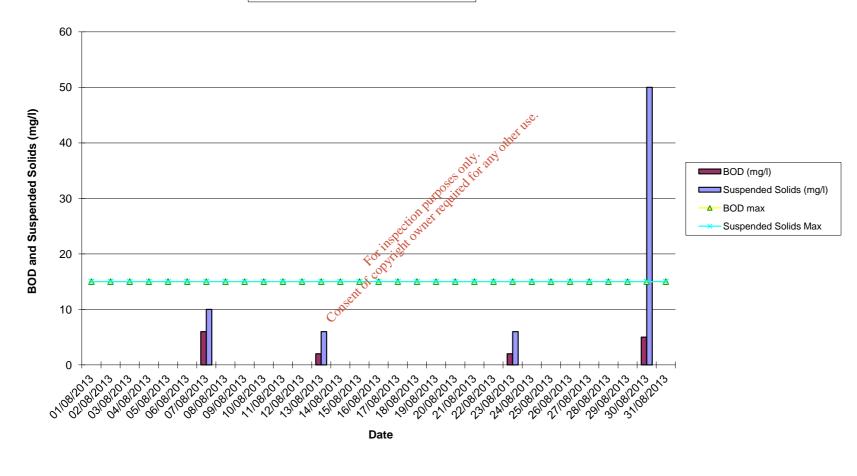
Table of	BOD & Suspended Solids of Fir	nal Effluent for May 2013
Date	BOD (mg/l)	Suspended Solids (mg/l)
01/08/2013		
02/08/2013		
03/08/2013		
04/08/2013		
05/08/2013		
06/08/2013		
07/08/2013	6	10
08/08/2013		
09/08/2013		
10/08/2013		
11/08/2013		
12/08/2013		
13/08/2013	2	6
14/08/2013		
15/08/2013		
16/08/2013		
17/08/2013		%€°.
18/08/2013		1. A other
19/08/2013		√. × 0g
20/08/2013	્રે ઇ	to star of
21/08/2013	00 KB	
22/08/2013	Quit diff	
23/08/2013	2 jon et it	6
24/08/2013	2 in Rufe tallife	
25/08/2013	2 2	
26/08/2013	the way	
27/08/2013		
28/08/2013	<u> zente</u>	
29/08/2013	Cape	
30/08/2013	5	50
31/08/2013		
Average	3.8	18.0

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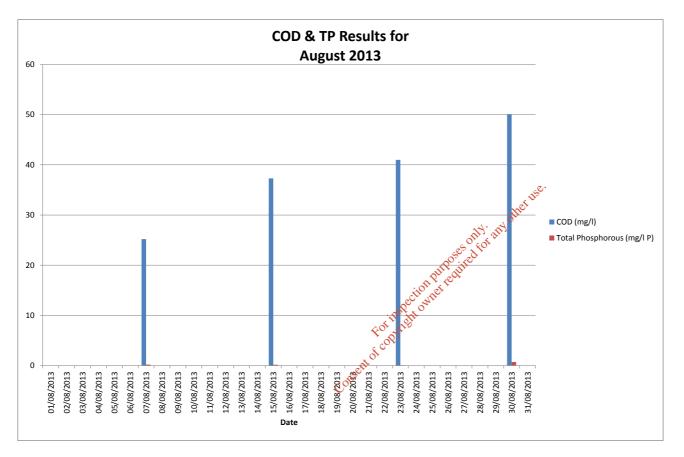
ARP 4/7

able of total ni	trogen, total phospho 2013	orous of Final Effluent for M
Date	COD (mg/l)	Total Phosphorous (mg/l P)
01/08/2013	, ,	
02/08/2013		
03/08/2013		
04/08/2013		
05/08/2013		
06/08/2013		
07/08/2013	25.2	0.2
08/08/2013		
09/08/2013		
10/08/2013		
11/08/2013		
12/08/2013		
13/08/2013		nge.
14/08/2013		0.15
15/08/2013	37.3	0.15
16/08/2013		confer di
17/08/2013	, d	
18/08/2013	Durk	il.
19/08/2013	tion of the	
20/08/2013	The dion of the life	
21/08/2013	or it ight	
22/08/2013	13019.	
23/08/2013	. ₩1	0.04
24/08/2013	a sent e	
25/08/2013	COPE	
26/08/2013		
27/08/2013		
28/08/2013		
29/08/2013		
30/08/2013	50.1	0.7
31/08/2013		

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4. Comments on Analysis Results

Please refer to Section 2: Executive Summary for results

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5. Process Operational Changes

ARP6

DateOperational ChangeChangeby07/08/2013Calrifier cleanedRoutine maintenanceR Morrissor13/08/2013Screen cleanedRoutine maintenanceR Morrissor15/08/2013Screen and screen clearedRoutine maintenanceR Morrissor23/08/2013Screen clearedRoutine maintenanceR Morrissor25/08/2013Screen clearedRoutine maintenanceR Morrissor25/08/2013Screen clearedRoutine maintenanceR Morrissor			7HG 0	
Date Operational Change Change Change Change by 07/08/2013 Calrifier cleaned Routine maintenance R Morrissor 13/08/2013 Screen cleaned Routine maintenance R Morrissor 15/08/2013 Screen and screen cleared Routine maintenance R Morrissor 23/08/2013 Screen cleared Routine maintenance R Morrissor 25/08/2013 Screen cleared Routine maintenance R Morrissor 30/08/2013 Screen cleared Routine maintenance R Morrissor Routine maintenance R Morrissor Routine maintenance R Morrissor Routine maintenance R Morrissor		Process Opera	tional Change Record	
DateOperational ChangeChangeby07/08/2013Calrifier cleanedRoutine maintenanceR Morrisson13/08/2013Screen cleanedRoutine maintenanceR Morrisson15/08/2013Screen and screen clearedRoutine maintenanceR Morrisson23/08/2013Screen clearedRoutine maintenanceR Morrisson25/08/2013Screen clearedRoutine maintenanceR Morrisson30/08/2013Screen clearedRoutine maintenanceR Morrisson				Implemented
07/08/2013 Calrifier cleaned Routine maintenance R Morrisson 13/08/2013 Screen cleaned Routine maintenance R Morrisson 15/08/2013 Screen and screen cleared Routine maintenance R Morrisson 23/08/2013 Screen cleared Routine maintenance R Morrisson 30/08/2013 Screen cleared Routine maintenance R Morrisson 30/08/2013 Screen cleared Routine maintenance R Morrisson	Date	Operational Change		by
15/08/2013 Screen and screen cleared Routine maintenance R Morrisson 23/08/2013 Screen cleared Routine maintenance R Morrisson 25/08/2013 Screen cleared Routine maintenance R Morrisson 30/08/2013 Screen cleared Routine maintenance R Morrisson R M Morrisson R M Morrisson R M M M M M M M	07/08/2013		Routine maintenance	R Morrisson
23/08/2013 Screen cleared Routine maintenance R Morrisson 30/08/2013 Screen cleared Routine maintenance R Morrisson R Morrisson Routine maintenance R Morrisson Routine maintenance R Morrisson R Morr	13/08/2013	Screen cleaned	Routine maintenance	R Morrisson
25/08/2013 Screen cleared Routine maintenance R Morrisson 30/08/2013 Screen cleared Routine maintenance R Morrisson R Morrisson R Morrisson R Morrisson	15/08/2013	Screen and screen cleared	Routine maintenance	R Morrisson
30/08/2013 Screen cleared Routine maintenance R Morrisson	23/08/2013	Screen cleared	Routine maintenance	R Morrisson
differ to \$c.	25/08/2013	Screen cleared	Routine maintenance	R Morrisson
Consolidation Co	30/08/2013	Screen cleared	Routine maintenance	R Morrisson
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6. Health & Safety Issues

ARP7/1

Nothing to report this calendar period

ARP7/2

Nothing to report this calendar period

ARP7/3

Health & Safety Statistics Report

Plant Manager Owen Rea Sep-13 For Period Aug-13 See off of any offer use. Site Involved Mogeely WWTP

Category 1: Covers Fatalities and major Injuries

Category 2: Covers lost time accident resulting in more than 3 days absence

Category 3: Covers lost time accidents resulting in 3 days absence or less

Major Incident: Accident not covered by categories 1 to 3

Direct Employees					
Number of Employees:		cito	Exposure Hours:		
of the state of th					
	Category 1	Category 2	Category 3	Major Incident	Near Miss
Number of		, cob,			
Accidents	None	None	None	None	None
Days lost	ර ගි	0	0	0	0

Direct Employees					
Number of Emp	loyees:	None	Exposure Hours:		
Subcontractors	Subcontractors				
on Site					
	Category 1	Category 2	Category 3	Major Incident	Near Miss
Number of					
Accidents	None	None	None	None	None
Days lost	0	0	0	0	0

ED HERE IF AN ACCIDENT OR INCIDENT HAS OCCUERD (USI PHOTO COPY OF EPS FORM HS002)

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7. Operational Maintenance Issues

ARP8

	Outstanding Operational Maintenance Issues Report					
Snag No.	Dept	Snag Description	Priority	Comments	Duration Outstanding	Date Resolved
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8. Complaints Register

ARP9

There were no complaints received during this monitoring period.

	Complaints R	egister	
Date of Complaint	NONE	Complainant's Address:	
Complainant's Name			
Nature of Complaint			
Acknowledgement of Complaint	Author of Acknow	-	Date Sent
Cause of Complaint		14. 04 other	is.
Action taken to Resolve cause of Complaint:		suppose of the land of the lan	
Final Outcome Report	Author of Final Out For Hall Converted to the Consent of Convinding to the Consent of Converted to the Consent of Consent	come Report	Date Forwarded to Local Authority
	Consent of Gran		

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9. Equipment Calibration Records

ARP16

	Equipment Calibration Record Calibrated By (Name Next Calib. Calib. Cert Comment					
Date	Equipment Description	Serial No.	Calibrated By (Name & Company)	Next Calib. Due	Calib. Cert Recd.	Comment
15/08/2013	DO probe		R Morrisson	01/09/2013		
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10. Waste & Sludge Disposal Records

ARP 19/1

Outgoing Sludge Record								
Batch No.	Date	Destination of Product	Type of Product	Quantity of Product (Qty. Skips)	Contact at Destination	Certificate of Origin/Delivery	Receipt received after Delivery	

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11. Analysis Results for Raw Influent, Settled Sewage & Final Effluent

ARP20

				ŀ	Analysis Re	sults for	Raw I	nfluen	t, Set	led Se	ewage &	Mixed	Liquo	r				
	Raw Influent						Final Effluent						Mixed Liquor					Food /
Date	BOD mg/l O ₂	COD mg/I O ₂	рН	SS mg/l	Ammonia mg/l	TP ⁻ mg/l P	BOD mg/l O ₂	COD mg/l O ₂	pHse.	SS mg/l	Ammonia mg/l	TP mg/l P	рН	SS mg/l	SSV ml	SVI ml/g	D.O. mg/l O ₂ Per Cell	Mass Ratio
07/08/2013	43	497	7.45	418		4.85	9	25.24	7.61	10		0.2		2174				
13/08/2013	107	733	7.73	390	40.9	10.9	2	37.3	6.85	6	2.4	0.15		1326				
23/08/2013	204	599	7.98	956	15.1	1.7	250	841	7.81	6	0.3	0.04		1550				
30/08/2013	115	717	8.05	266	21.5	8.9	JI Buil	50.1	7.77	50	1.5	0.7		1784				
							15 ton											
						ection	Dr.											
Average	117.25	636.50	7.80	507.50	25.83	6.59	4.00	38.40	7.51	18.00	1.40	0.27		1708.50				

Parameter	BOD mg/l O2	COD mg/l O2	рН	SS mg/l	Ammonia mg/	TP- mg/l P
Average	117.25	636.50	7.80	507.50	25.83	6.59

Parameter	BOD mg/l O2	COD mg/l O2	рН	SS mg/l	Ammonia mg/l	TP- mg/l P
Average	4.00	38.40	7.51	18.00	1.40	0.27

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