

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



Mogeely Waste Water Treatment Plant

Operational Report
For State of the State of

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

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1. Introduction

This report covers the period of June 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 1st 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 June 2013.

Inlet Flow	Total	2466	m3/day
	Max	88	m3/day
	Min	75	m3/day
	Ave	82	m3/day
	% DWF	61%	2 Pilit edd
	Ave PE	411	PE/day

			100 100
Outlet Flow	Total	2000 🎺	√ 3/day
	Max	83	[™] m3/day
	Min	49 🔊	m3/day
	Ave	67	m3/day

Biological Loading	Ave Conc	216.00	mg/l
	Ave Load	17.8	kgBOD/day
	% Design	49.3%	
	Ave PE	296.0	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 June.

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	216.00	825.50	7.09	633.50	17.66	5.43

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	2.25	12.80	7.30	11.00	2.06	0.34

Analysis results for the month showed compliance with the requirements of the contract.

The plant is operating satisfactorily

Consent of compliance with the requirements of the contract.

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3. Graphical Presentation of Data

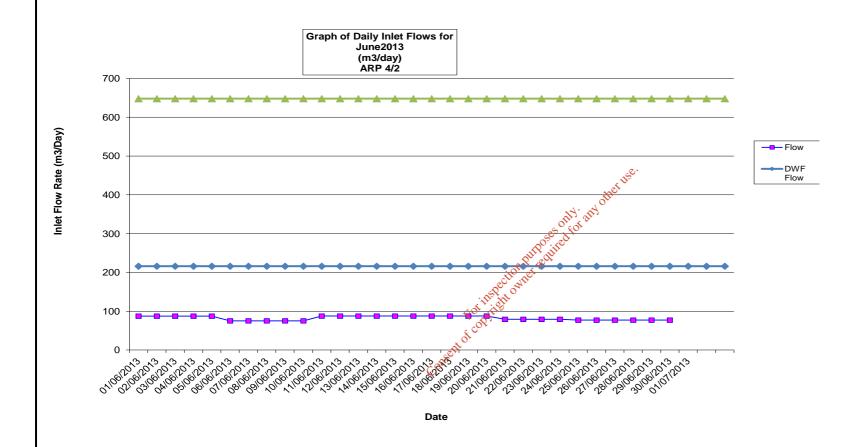
ARP4/1

Table of total d	laily inlet flows forJune 2013
Date	Flow
01/06/2013	87
02/06/2013	87
03/06/2013	87
04/06/2013	87
05/06/2013	87
06/06/2013	75
07/06/2013	75
08/06/2013	75
09/06/2013	75
10/06/2013	75
11/06/2013	88
12/06/2013	88
13/06/2013	88
14/06/2013	88,15
15/06/2013	88
16/06/2013	114 214 88 125 10 10 88 125 10 88 1
17/06/2013	& \$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
18/06/2013	att ⁰ ite ² 88
19/06/2013	an The rection 88
20/06/2013	edit wiet 88
21/06/2013	115 ¹ 11 ¹ 0 79
22/06/2013	79
23/06/2013	79
24/06/2013	. •
24/06/2013 25/06/2013 26/06/2013	77
20/00/2013	77
27/06/2013	77
28/06/2013	77
29/06/2013	77
30/06/2013	77

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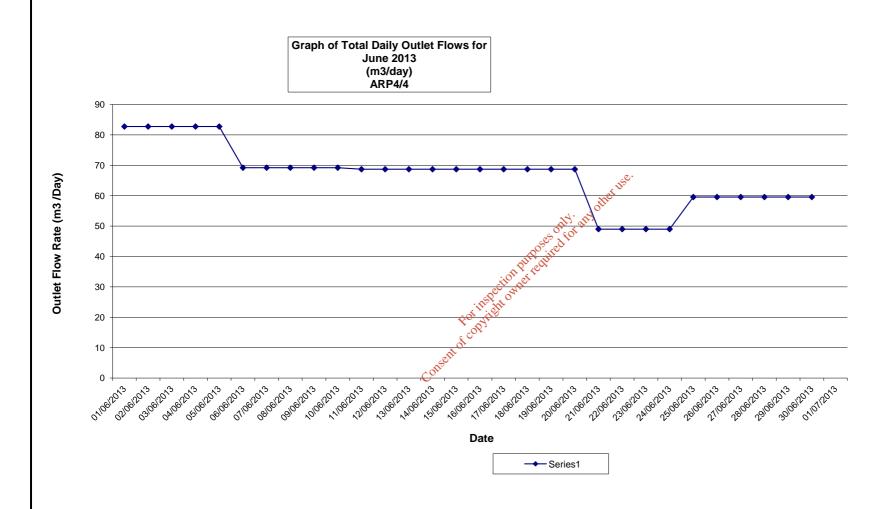
ARP4/3

Table of total da	nily outlet flows for June 2013
	Outlet Flow (m ³)
01/06/2013	83
02/06/2013	83
03/06/2013	83
04/06/2013	83
05/06/2013	83
06/06/2013	69
07/06/2013	69
08/06/2013	69
09/06/2013	69
10/06/2013	69
11/06/2013	69
12/06/2013	69
13/06/2013	69
14/06/2013	69
15/06/2013	69 🚜 .
16/06/2013	69.
17/06/2013	369
18/06/2013	्राप्त्र रागि 69
19/06/2013	36° 30° 69
20/06/2013	aufletife 69
21/06/2013	19 49
22/06/2013	geet wife 49
23/06/2013	(1) 49
24/06/2013	49
25/06/2013	60
26/06/2013	60
27/06/2013	60
28/06/2013	60
29/06/2013	60
30/06/2013	60
01/07/2013	

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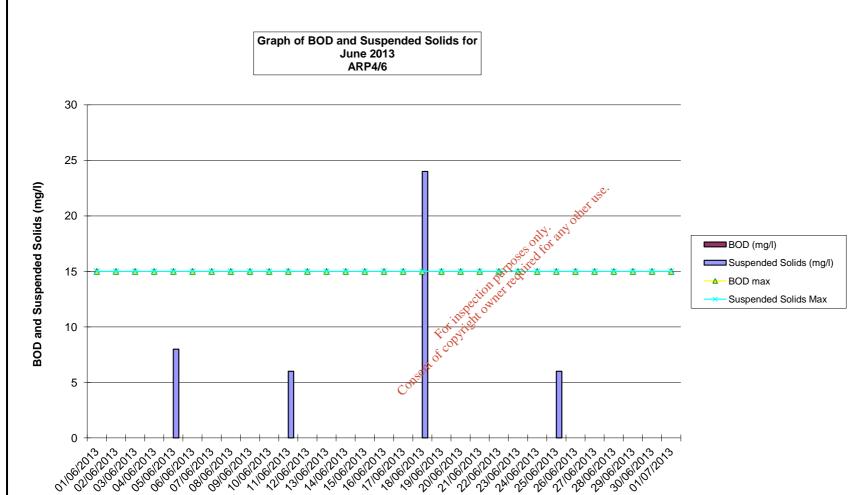
ARP 4/5

Table of BOD & Suspended Solids of Final Effluent for May 2013		
Date	BOD (mg/l)	Suspended Solids (mg/l)
01/06/2013		
02/06/2013		
03/06/2013		
04/06/2013		
05/06/2013		8
06/06/2013		
07/06/2013		
08/06/2013		
09/06/2013		
10/06/2013		
11/06/2013		6
12/06/2013		
13/06/2013		
14/06/2013		
15/06/2013		
16/06/2013		
17/06/2013		æ.
18/06/2013		24
19/06/2013		4. 24 of
20/06/2013	ွဲလိ	est sex
21/06/2013	30.73	
22/06/2013	Out duit	
23/06/2013	ite Sign Bulgarite	
24/06/2013	age out	
25/06/2013	X 1 20%	6
26/06/2013	to the state of th	
27/06/2013	St.	
28/06/2013	serie	
29/06/2013	Cate	
30/06/2013		
01/07/2013		
Average	#DIV/0!	11.0

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Date



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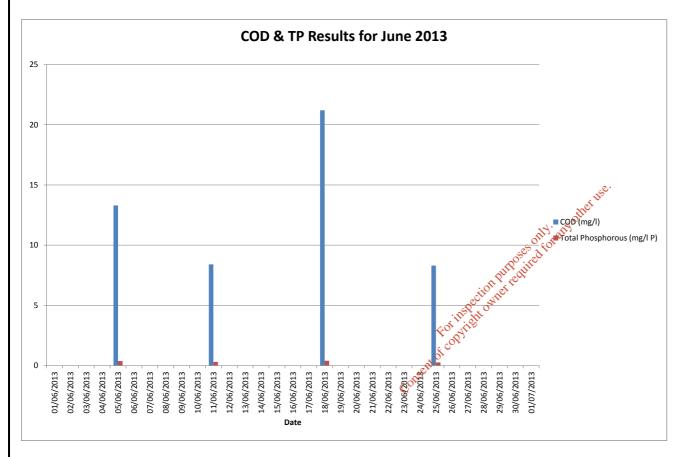
ARP 4/7

Table of total nitrogen, total phosphorous of Final Effluent for Ma 2013		
Date	COD (mg/l)	Total Phosphorous (mg/l P)
01/06/2013	0 0 = (····g···)	, and the second (mg/m)
02/06/2013		
03/06/2013		
04/06/2013		
05/06/2013	13.3	0.37
06/06/2013		
07/06/2013		
08/06/2013		
09/06/2013		
10/06/2013		
11/06/2013	8.4	0.31
12/06/2013		
13/06/2013		150.
14/06/2013		The state of the s
15/06/2013		14: V2
16/06/2013		collect de
17/06/2013	,d	
18/06/2013	21.2 out?	0.4
19/06/2013	ation of the	
20/06/2013	itelegion er e	
21/06/2013	or it ight	
22/06/2013	1, obl.	
23/06/2013	, of o	
24/06/2013	asent	
25/06/2013	COP 8.3	0.26
26/06/2013		
27/06/2013		
28/06/2013		
29/06/2013		
30/06/2013		
01/07/2013		

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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

ARFO				
ational Ch	nange Record			
	Description of Process	Purpose of Process Operational	Implemented	
Date	Operational Change	. Change	by	
04/06/2013	PFt dewatered on site	PFt was full	R Morrisson	
06/06/2013	RAS Pump 2 repaired	Airlock in pump	R Morrisson	
10/06/2013	Screen cleared	Routine maintenance	R Morrisson	
17/06/2013	Weeds sprayed on site	Grounds routine maintenance	R Morrisson	
24/06/2013	Grass cut	Grounds 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

Jul-13

Plant Manager Owen Rea For Period Jun-13 Site Involved Mogeely WWTP

For Period	Jun-13		_		
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 Em	ployees		
Number of Emp	loyees:	cito	£xposure H	ours:	20
		: OSPO OF			
	Category 1	Category 2	Category 3	Major Incident	Near Miss
Number of		EOS.			
Accidents	None	None	None	None	None
Days lost	Ç00	0	0	0	0

Direct Employees						
Number of Employees: None Exposure Hours:						
Subcontractors	Subcontractors					
on Site	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 (US 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	
1	Mech	RAS Pump No. 2 not pumping	Med	Airlocked	1 day	Resolved	
				Strained to the control of the contr	e.		
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8. Complaints Register

ARP9

There were no complaints received during this monitoring period.

Complaints Register				
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 Pate Equipment Serial No Calibrated By (Name Next Calib. Calib. Cert Comment						
Date	Equipment Description	Serial No.	Calibrated By (Name & Company)	Next Calib. Due	Calib. Cert Recd.	Comment	
					_		
11/06/2013	DO probe		R Morrisson	01/07/2013			
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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		
1	23/05/2013	Cremins Composting	Sludge	13.3 ton	Danial Maher				

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

ARP20

	Analysis Results for Raw Influent, Settled Sewage & Mixed Liquor																	
.	Raw Influent					Final Effluent					Mixed Liquor					Food /		
Date	BOD mg/I O ₂	COD mg/l O ₂	рН	SS mg/l	Ammonia mg/l	TP ⁻ mg/l P	BOD mg/I O ₂	COD mg/l O ₂	рН	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 Flatio
05/06/2013	152	343	7.42	234	7.42	4.25	2	13.3	7.62	² 11/8	7.62	0.37		2486				_
11/06/2013	303	1649	7.21	1616	25	6.5	3	8.4	Z-39°	6	0.1	0.31		2450				
18/06/2013	263	649	6.49	348	17.5	6.4	2	21.2		24	0.4	0.4		2680				
25/06/2013	146	661	7.24	336	20.7	4.55	2		7.05	6	0.1	0.26		2320				
·								ectionies										
							ins	igi o										
						ļ	FOTO	i e										
·							S cop											
						ع د و	il.											
						Course												
						1												
						1												
Average	216.00	825.50	7.09	633.50	17.66	5.43	2.25	12.80	7.30	11.00	2.06	0.34		2484.00				

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