



System Procedure
 Monthly Status Report
 Mogeely WWTP, October 2013

Issue Code:	PMS
Date of Issue:	06/10/2013
Originator:	Owen Rea
Authorised by:	



Mogeely Waste Water Treatment Plant

Operational Report
 For
 October 2013

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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 October 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 6th 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 October 2013.

Inlet Flow	Total	2084	m3/day
	Max	75	m3/day
	Min	66	m3/day
	Ave	69	m3/day
	% DWF	51%	
	Ave PE	347	PE/day

Outlet Flow	Total	2980	m3/day
	Max	122	m3/day
	Min	83	m3/day
	Ave	99	m3/day

Biological Loading	Ave Conc	189.80	mg/l
	Ave Load	13.2	kgBOD/day
	% Design	36.6%	
	Ave PE	219.7	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 October.

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	pH	SS mg/l	Ammonia mg/l	TP- mg/l P
Average	189.80	642.80	7.42	462.80	21.76	9.29

Average Final Effluent Concentrations:

Parameter	BOD mg/l O2	COD mg/l O2	pH	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

The plant is operating satisfactorily

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3. Graphical Presentation of Data

ARP4/1

Table of total daily inlet flows for October 2013

Date	Flow
01/10/2013	75
02/10/2013	66
03/10/2013	66
04/10/2013	66
05/10/2013	66
06/10/2013	66
07/10/2013	66
08/10/2013	66
09/10/2013	66
10/10/2013	66
11/10/2013	66
12/10/2013	66
13/10/2013	66
14/10/2013	66
15/10/2013	72
16/10/2013	72
17/10/2013	72
18/10/2013	72
19/10/2013	72
20/10/2013	72
21/10/2013	72
22/10/2013	72
23/10/2013	72
24/10/2013	72
25/10/2013	72
26/10/2013	72
27/10/2013	72
28/10/2013	72
29/10/2013	72
30/10/2013	72

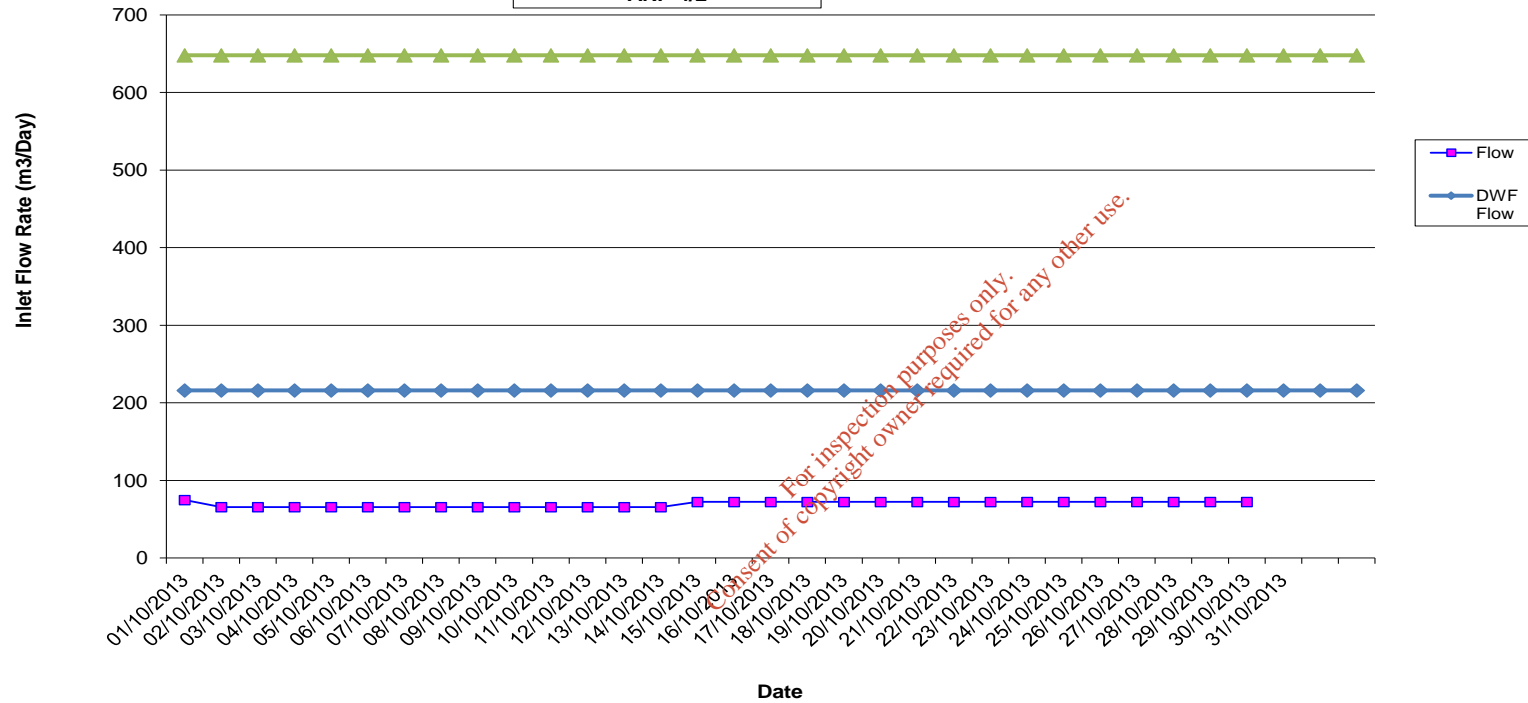
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Graph of Daily Inlet Flows for
October 2013
(m³/day)
ARP 4/2



ARP4/3

Table of total daily outlet flows for October 2013	
	Outlet Flow (m ³)
01/10/2013	122
02/10/2013	103
03/10/2013	103
04/10/2013	103
05/10/2013	103
06/10/2013	103
07/10/2013	103
08/10/2013	103
09/10/2013	103
10/10/2013	105
11/10/2013	105
12/10/2013	105
13/10/2013	105
14/10/2013	105
15/10/2013	102
16/10/2013	102
17/10/2013	102
18/10/2013	102
19/10/2013	102
20/10/2013	102
21/10/2013	102
22/10/2013	102
23/10/2013	102
24/10/2013	83
25/10/2013	83
26/10/2013	83
27/10/2013	83
28/10/2013	83
29/10/2013	83
30/10/2013	83
31/10/2013	83

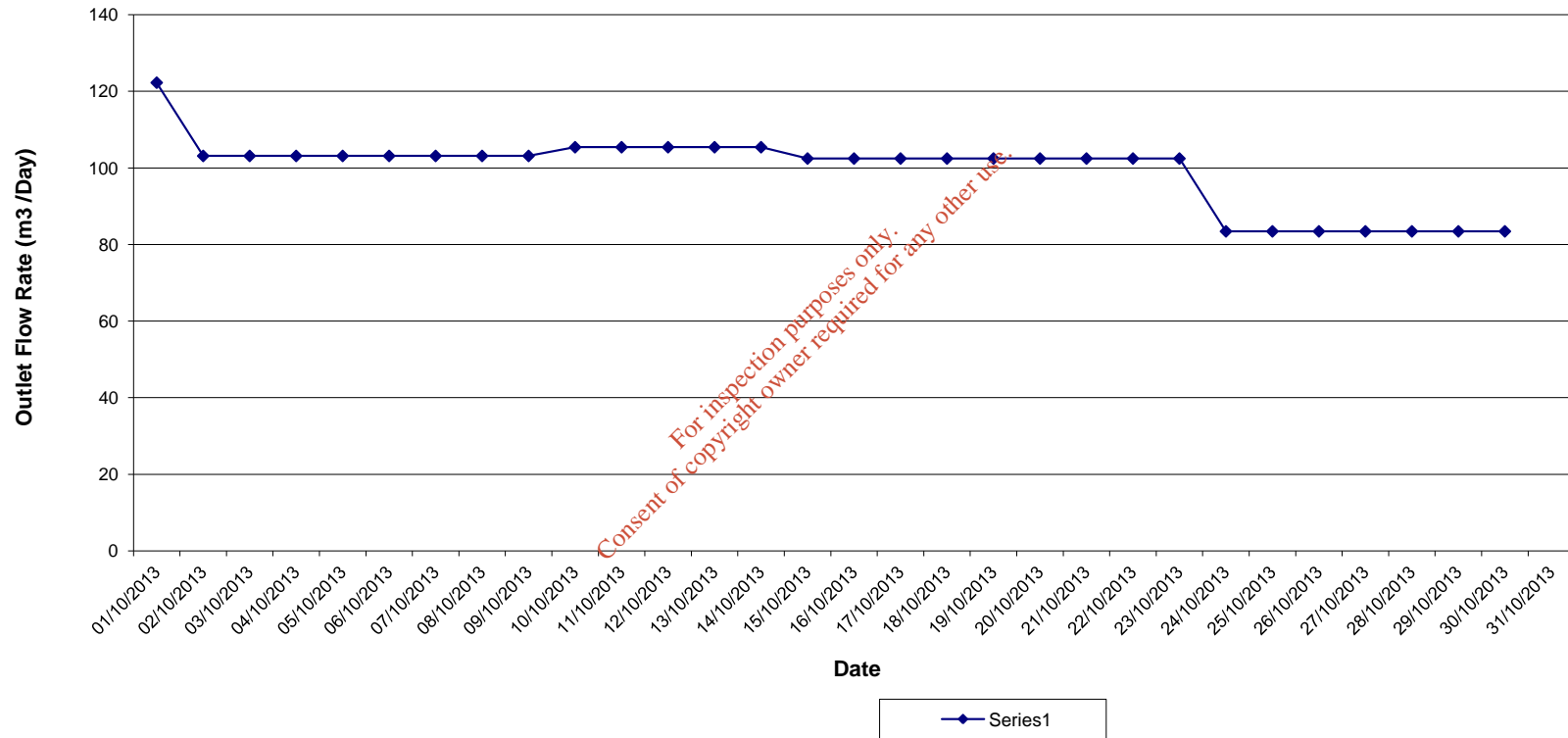
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Graph of Total Daily Outlet Flows for
October 2013
(m³/day)
ARP4/4





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Table of BOD & Suspended Solids of Final Effluent for May 2013		
Date	BOD (mg/l)	Suspended Solids (mg/l)
01/10/2013	2	2
02/10/2013		
03/10/2013		
04/10/2013		
05/10/2013		
06/10/2013		
07/10/2013		
08/10/2013		
09/10/2013		
10/10/2013		
11/10/2013	2	2
12/10/2013		
13/10/2013		
14/10/2013		
15/10/2013		
16/10/2013		
17/10/2013		
18/10/2013	3	8
19/10/2013		
20/10/2013		
21/10/2013		
22/10/2013	4	8
23/10/2013		
24/10/2013		
25/10/2013		
26/10/2013		
27/10/2013		
28/10/2013		
29/10/2013		
30/10/2013	4	8
31/10/2013		
Average	3.0	5.6

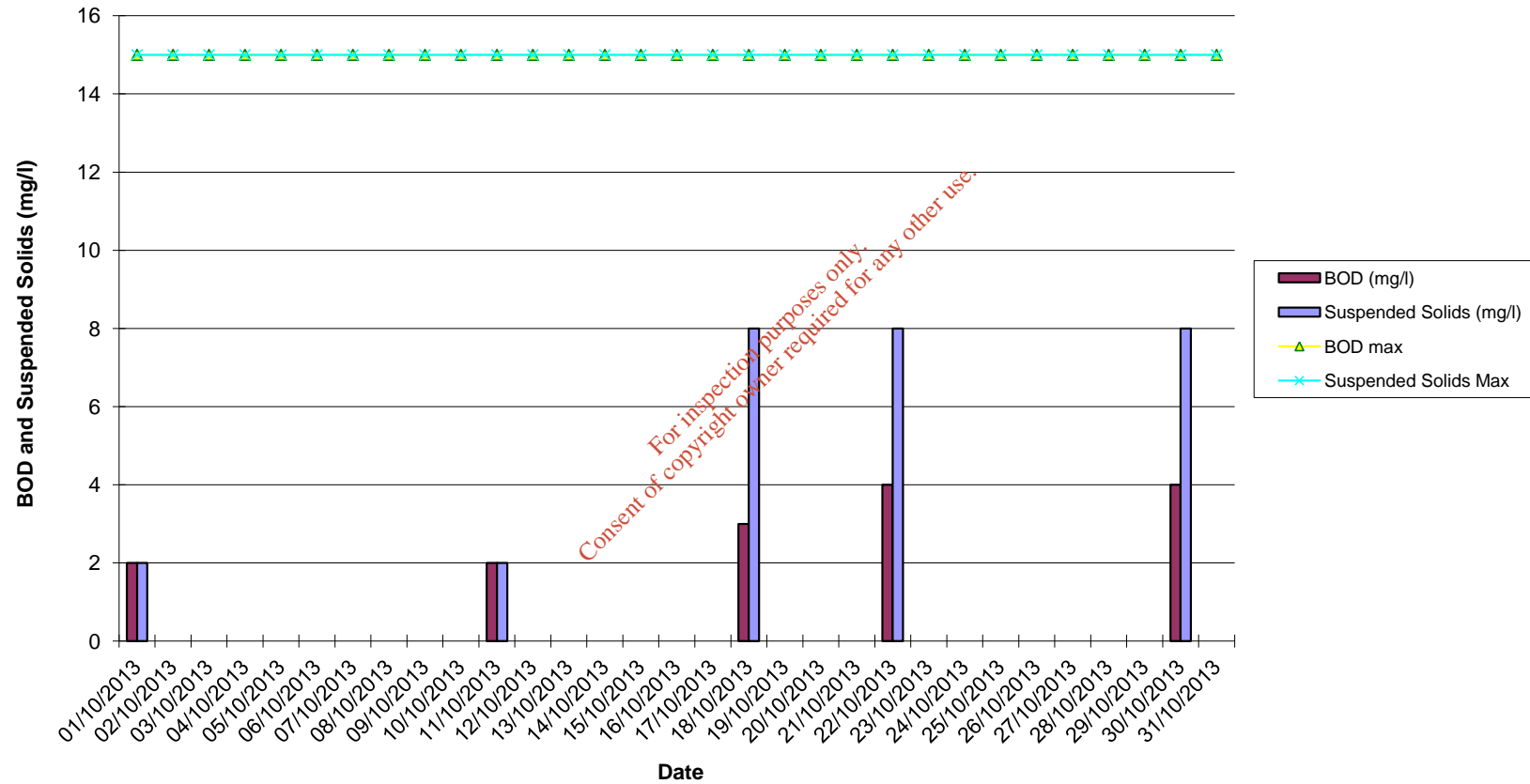
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Graph of BOD and Suspended Solids for
October 2013
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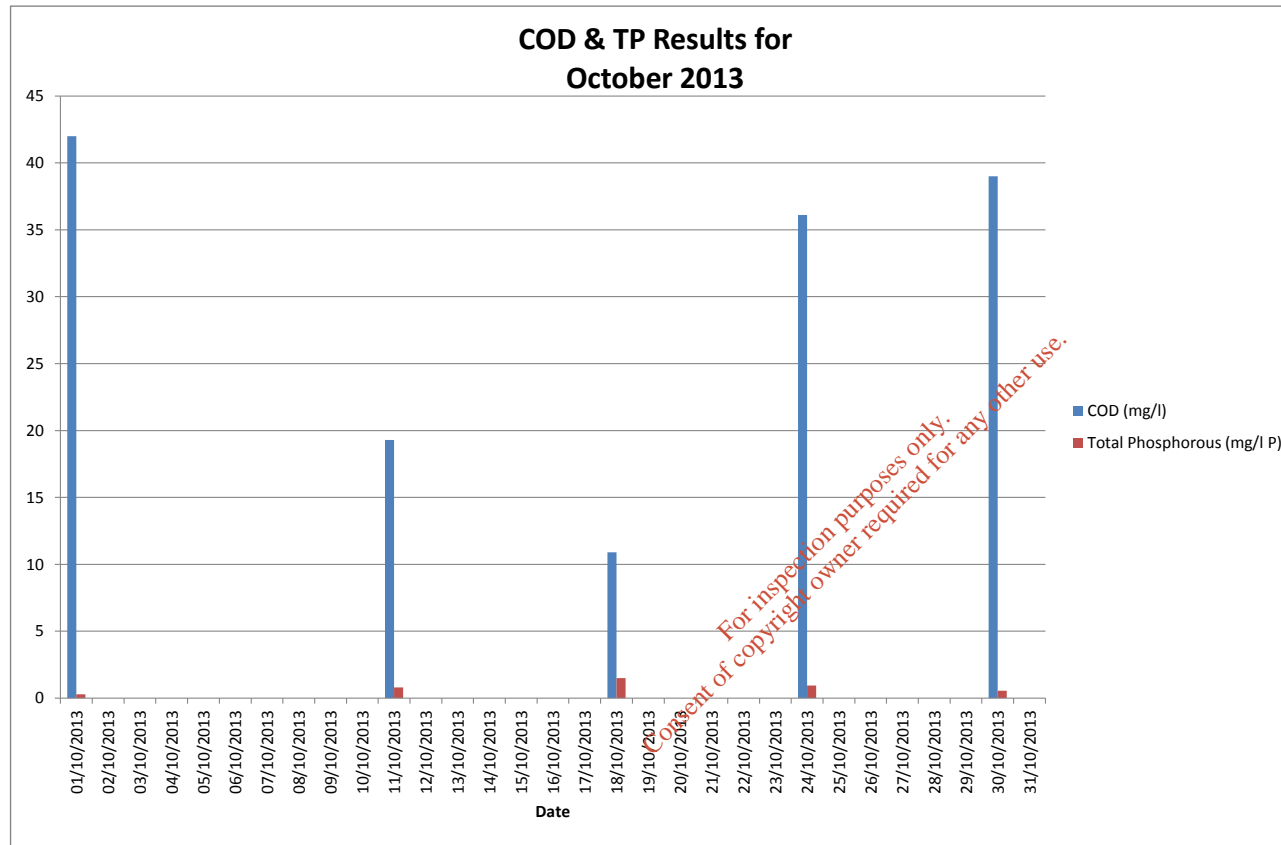
Table of total nitrogen, total phosphorous of Final Effluent for May 2013		
Date	COD (mg/l)	Total Phosphorous (mg/l P)
01/10/2013	42	0.29
02/10/2013		
03/10/2013		
04/10/2013		
05/10/2013		
06/10/2013		
07/10/2013		
08/10/2013		
09/10/2013		
10/10/2013		
11/10/2013	19.3	0.79
12/10/2013		
13/10/2013		
14/10/2013		
15/10/2013		
16/10/2013		
17/10/2013		
18/10/2013	10.9	1.5
19/10/2013		
20/10/2013		
21/10/2013		
22/10/2013		
23/10/2013		
24/10/2013	36.1	0.95
25/10/2013		
26/10/2013		
27/10/2013		
28/10/2013		
29/10/2013		
30/10/2013	39	0.55
31/10/2013		

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4. Comments on Analysis Results

Please refer to Section 2: Executive Summary for results

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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	Nov-13
For Period	Oct-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 Employees					
Number of Employees:		1	Exposure Hours:		20
	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

Direct Employees					
Number of Employees:		None	Exposure Hours:		
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

ARP7/4 INSERTED HERE IF AN ACCIDENT OR INCIDENT HAS OCCURED (USE PHOTO COPY OF EPS FORM HS002)

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 Acknowledgement		Date Sent
Cause of Complaint			
Action taken to Resolve cause of Complaint:			
Final Outcome Report	Author of Final Outcome Report		Date Forwarded to Local Authority

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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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