



System Procedure  
 Monthly Status Report  
 Mogeely WWTP, June 2013

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



Mogeely Waste Water Treatment Plant

Operational Report  
 For  
 June 2013

*For inspection purposes only.  
 Consent of copyright owner required for any other use.*

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



System Procedure  
 Monthly Status Report  
 Mogeely WWTP, June 2013

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

<b>1. INTRODUCTION .....</b>	<b>3</b>
<b>2. EXECUTIVE SUMMARY .....</b>	<b>3</b>
<b>3. GRAPHICAL PRESENTATION OF DATA .....</b>	<b>5</b>
<b>4. COMMENTS ON ANALYSIS RESULTS .....</b>	<b>13</b>
<b>5. PROCESS OPERATIONAL CHANGES .....</b>	<b>14</b>
<b>6. HEALTH &amp; SAFETY ISSUES .....</b>	<b>15</b>
<b>7. OPERATIONAL MAINTENANCE ISSUES .....</b>	<b>16</b>
<b>8. COMPLAINTS REGISTER.....</b>	<b>17</b>
<b>9. EQUIPMENT CALIBRATION RECORDS.....</b>	<b>18</b>
<b>10. WASTE &amp; SLUDGE DISPOSAL RECORDS .....</b>	<b>19</b>
<b>11. ANALYSIS RESULTS FOR RAW INFLUENT, SETTLED SEWAGE &amp; FINAL EFFLUENT .....</b>	<b>20</b>

For inspection purposes only.  
 Consent of copyright owner required for any other use.



**System Procedure  
Monthly Status Report  
Mogeely WWTP, June 2013**

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

## 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 20<sup>th</sup> May 2013.

This is the 1<sup>st</sup> 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.

<b>Inlet Flow</b>	Total	2466	m3/day
	Max	88	m3/day
	Min	75	m3/day
	Ave	82	m3/day
	% DWF	61%	
	Ave PE	411	PE/day

<b>Outlet Flow</b>	Total	2000	m3/day
	Max	83	m3/day
	Min	49	m3/day
	Ave	67	m3/day

<b>Biological Loading</b>	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.



**System Procedure  
Monthly Status Report  
Mogeely WWTP, June 2013**

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

**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 O <sub>2</sub>	COD mg/l O <sub>2</sub>	pH	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 O <sub>2</sub>	COD mg/l O <sub>2</sub>	pH	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

For inspection purposes only.  
Consent of copyright owner required for any other use.

### 3. Graphical Presentation of Data

ARP4/1

**Table of total daily inlet flows for June 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
15/06/2013	88
16/06/2013	88
17/06/2013	88
18/06/2013	88
19/06/2013	88
20/06/2013	88
21/06/2013	79
22/06/2013	79
23/06/2013	79
24/06/2013	79
25/06/2013	77
26/06/2013	77
27/06/2013	77
28/06/2013	77
29/06/2013	77
30/06/2013	77

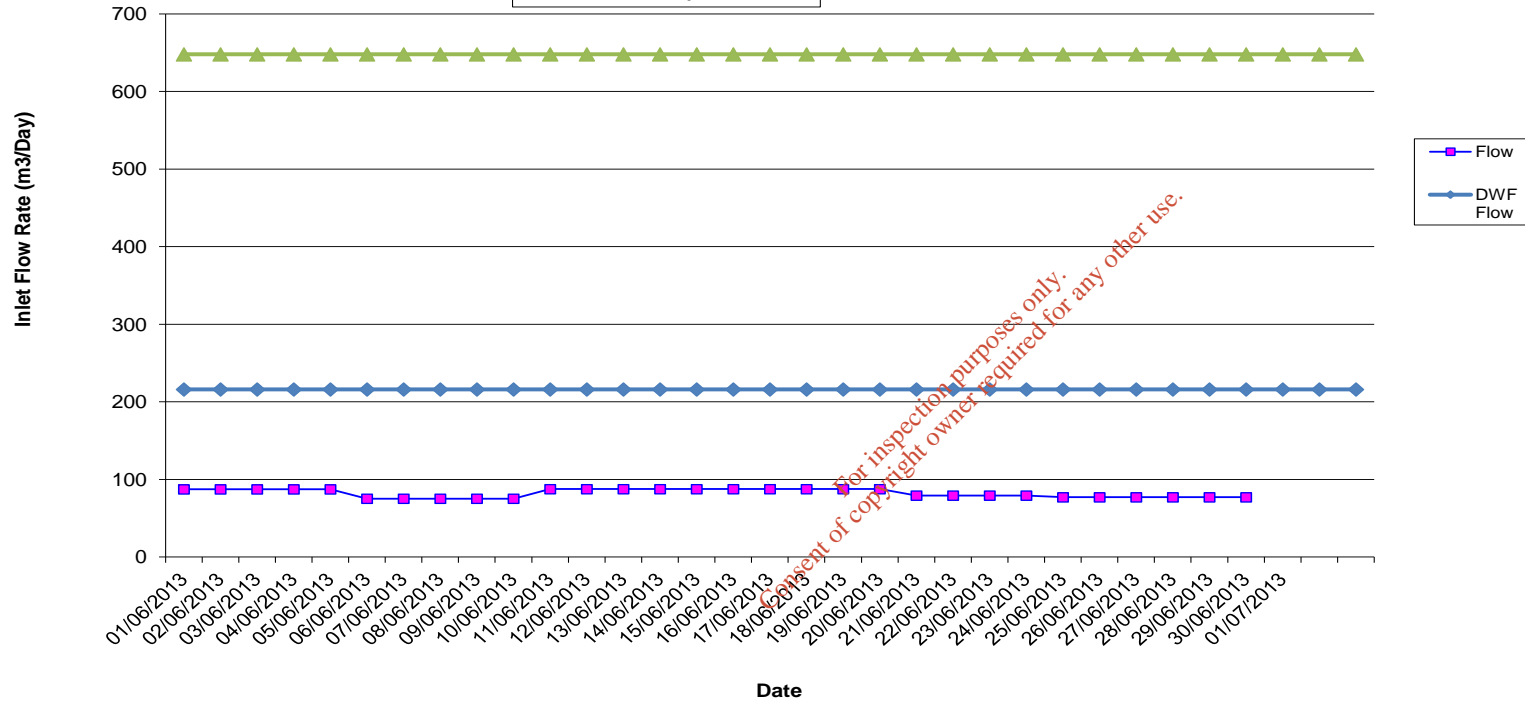
For inspection purposes only. Consent of copyright owner required for any other use.



# System Procedure Monthly Status Report Mogeely WWTP, June 2013

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

Graph of Daily Inlet Flows for  
June 2013  
(m<sup>3</sup>/day)  
ARP 4/2



ARP4/3

Table of total daily outlet flows for June 2013	
	Outlet Flow (m <sup>3</sup> )
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	69
18/06/2013	69
19/06/2013	69
20/06/2013	69
21/06/2013	49
22/06/2013	49
23/06/2013	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	

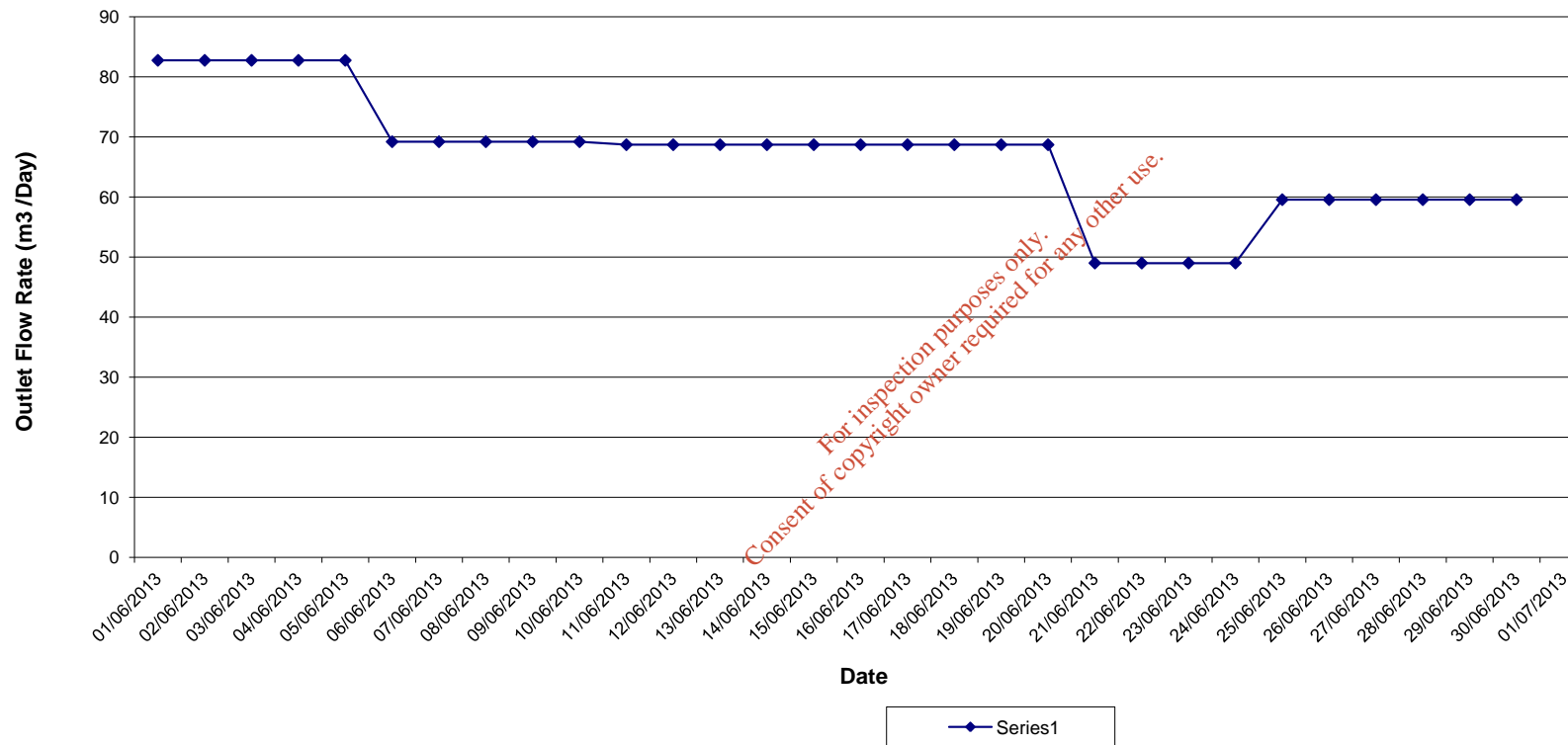
For inspection purposes only. Consent of copyright owner required for any other use.



System Procedure  
Monthly Status Report  
Mogeeley WWTP, June 2013

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

Graph of Total Daily Outlet Flows for  
June 2013  
(m<sup>3</sup>/day)  
ARP4/4







System Procedure  
Monthly Status Report  
Mogely WWTP, June 2013

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

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		
18/06/2013		24
19/06/2013		
20/06/2013		
21/06/2013		
22/06/2013		
23/06/2013		
24/06/2013		
25/06/2013		6
26/06/2013		
27/06/2013		
28/06/2013		
29/06/2013		
30/06/2013		
01/07/2013		
Average	#DIV/0!	11.0

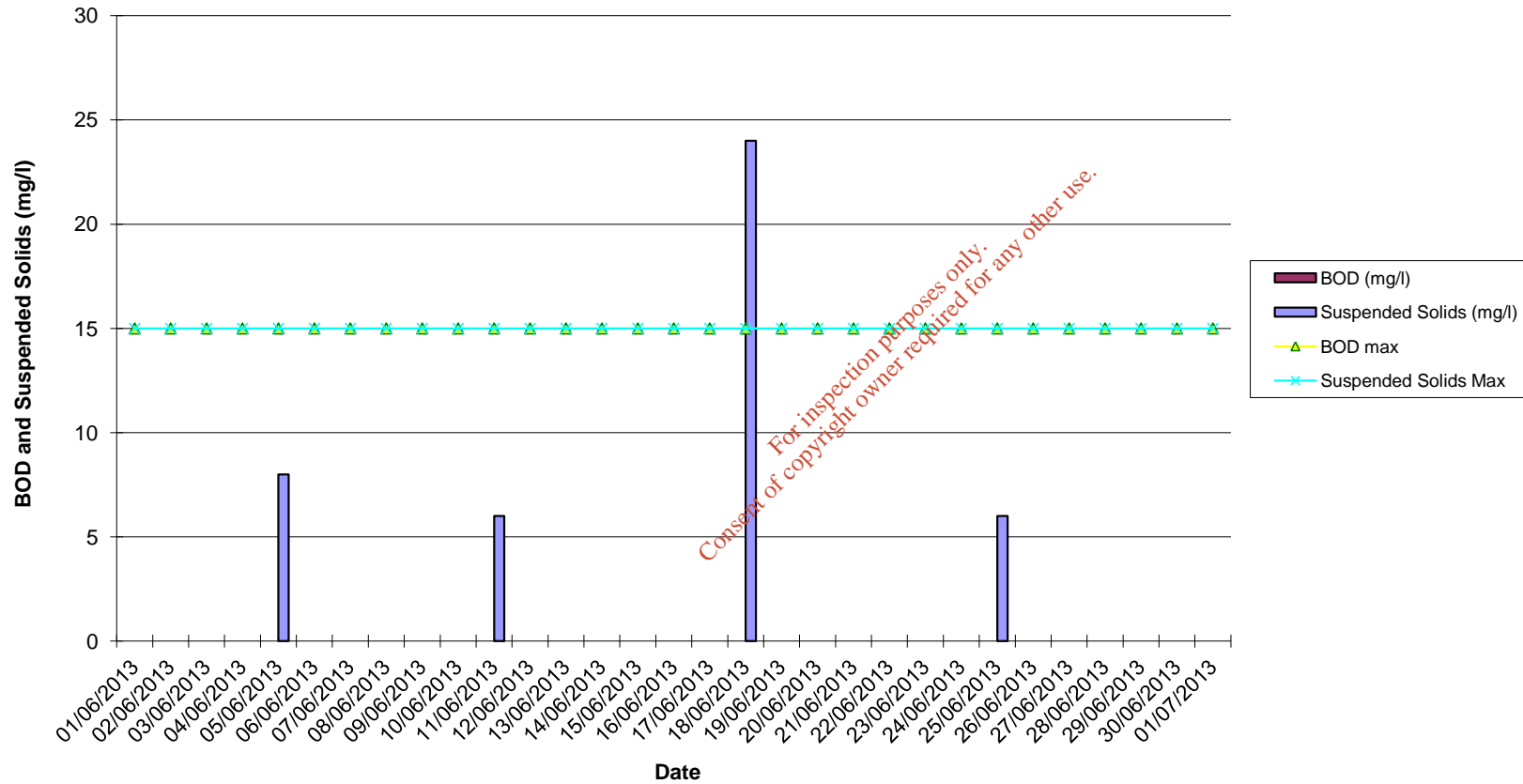
For inspection purposes only. Consent of copyright owner required for any other use.



# System Procedure Monthly Status Report Mogeely WWTP, June 2013

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

Graph of BOD and Suspended Solids for  
June 2013  
ARP4/6





System Procedure  
Monthly Status Report  
Mogeely WWTP, June 2013

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

ARP 4/7

Table of total nitrogen, total phosphorous of Final Effluent for May 2013		
Date	COD (mg/l)	Total Phosphorous (mg/l P)
01/06/2013		
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		
14/06/2013		
15/06/2013		
16/06/2013		
17/06/2013		
18/06/2013	21.2	0.4
19/06/2013		
20/06/2013		
21/06/2013		
22/06/2013		
23/06/2013		
24/06/2013		
25/06/2013	8.3	0.26
26/06/2013		
27/06/2013		
28/06/2013		
29/06/2013		
30/06/2013		
01/07/2013		

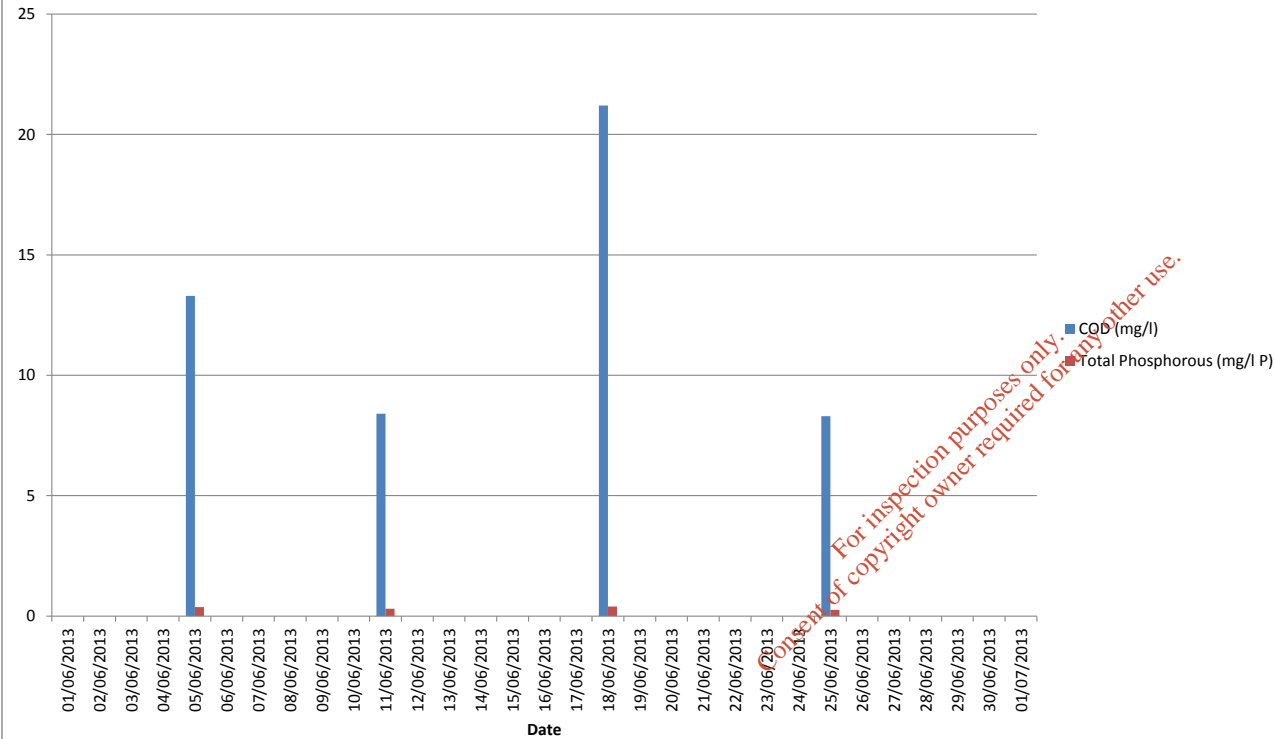
For inspection purposes only.  
Consent of copyright owner required for any other use.



# System Procedure Monthly Status Report Mogeely WWTP, June 2013

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

### COD & TP Results for June 2013



For inspection purposes only. Content of copyright owner required for any other use.



System Procedure  
Monthly Status Report  
Mogeely WWTP, June 2013

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

#### 4. Comments on Analysis Results

Please refer to Section 2: Executive Summary for results

*For inspection purposes only.  
Consent of copyright owner required for any other use.*





**System Procedure  
Monthly Status Report  
Mogeely WWTP, June 2013**

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

## 6. Health & Safety Issues

ARP7/1

Nothing to report this calendar period

ARP7/2

Nothing to report this calendar period

ARP7/3

<b>Health &amp; Safety Statistics Report</b>
--

Plant Manager	Owen Rea	Jul-13
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 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)**







System Procedure  
Monthly Status Report  
Mogeely WWTP, June 2013

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

## 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

For inspection purposes only.  
Consent of copyright owner required for any other use.





System Procedure  
 Monthly Status Report  
 Mogeely WWTP, June 2013

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

## 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		

For inspection purposes only.  
 Consent of copyright owner required for any other use.



System Procedure  
Monthly Status Report  
Mogeely WWTP, June 2013

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

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

ARP20

Date	Analysis Results for Raw Influent, Settled Sewage & Mixed Liquor																	Food / Mass Ratio
	Raw Influent						Final Effluent						Mixed Liquor					
	BOD mg/l O <sub>2</sub>	COD mg/l O <sub>2</sub>	pH	SS mg/l	Ammonia mg/l	TP <sup>-</sup> mg/l P	BOD mg/l O <sub>2</sub>	COD mg/l O <sub>2</sub>	pH	SS mg/l	Ammonia mg/l	TP mg/l P	pH	SS mg/l	SSV ml	SVI ml/g	D.O. mg/l O <sub>2</sub> Per Cell	
05/06/2013	152	343	7.42	234	7.42	4.25	2	13.3	7.62	8	7.62	0.37		2486				
11/06/2013	303	1649	7.21	1616	25	6.5	3	8.4	7.39	6	0.1	0.31		2450				
18/06/2013	263	649	6.49	348	17.5	6.4	2	21.2	7.12	24	0.4	0.4		2680				
25/06/2013	146	661	7.24	336	20.7	4.55	2	8.3	7.05	6	0.1	0.26		2320				
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				



System Procedure  
Monthly Status Report  
Mogeely WWTP, June 2013

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

*For inspection purposes only.  
Consent of copyright owner required for any other use.*