



System Procedure
 Monthly Status Report
 Mogeely WWTP, August 2013

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



Mogeely Waste Water Treatment Plant
 Operational Report
 For
 August 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 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 3rd 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.

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

Outlet Flow	Total	2213	m3/day
	Max	134	m3/day
	Min	20	m3/day
	Ave	74	m3/day

Biological Loading	Ave Conc	117.25	mg/l
	Ave Load	7.3	kgBOD/day
	% 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 O ₂	COD mg/l O ₂	pH	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 O ₂	COD mg/l O ₂	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 except for 1 SS 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

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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
13/08/2013	43
14/08/2013	43
15/08/2013	62
16/08/2013	62
17/08/2013	62
18/08/2013	62
19/08/2013	62
20/08/2013	62
21/08/2013	62
22/08/2013	73
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

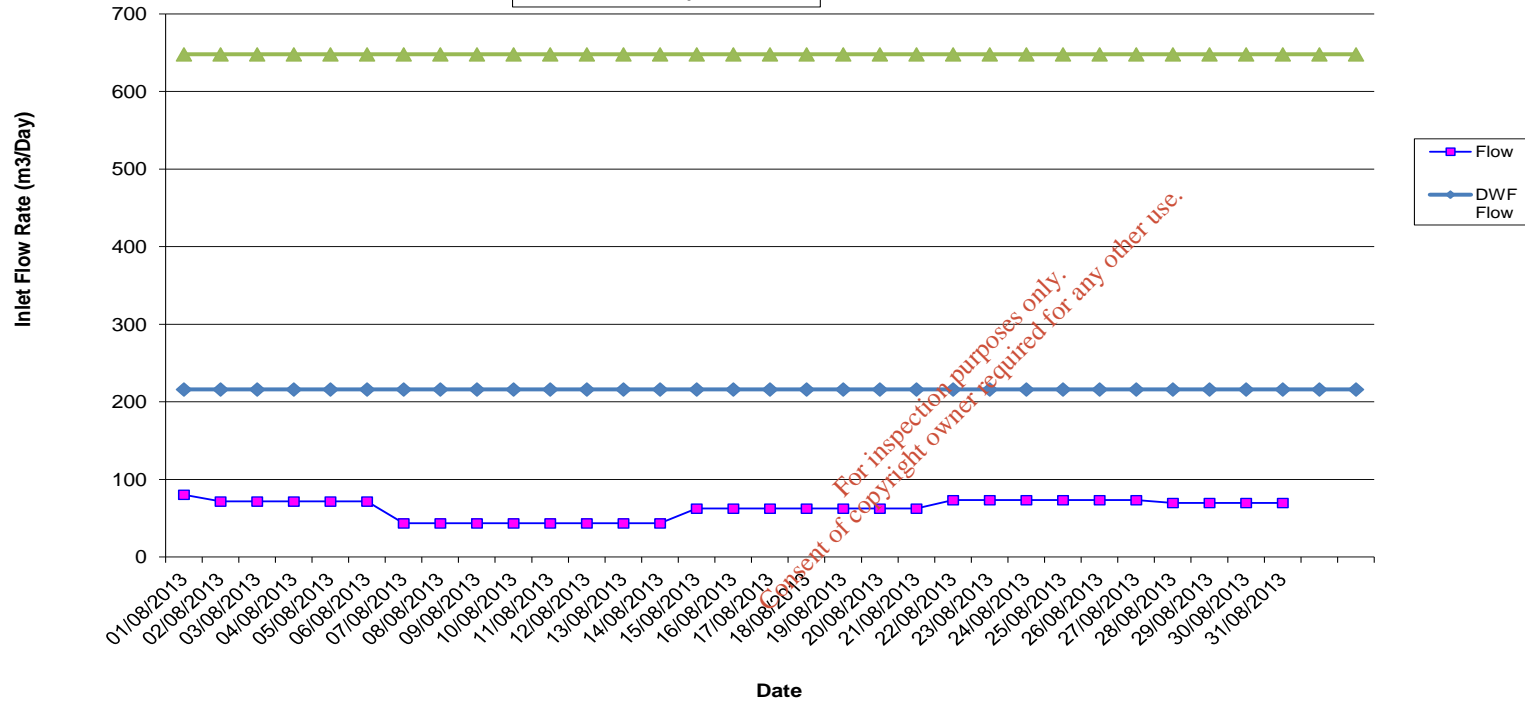
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Graph of Daily Inlet Flows for
August 2013
(m3/day)
ARP 4/2

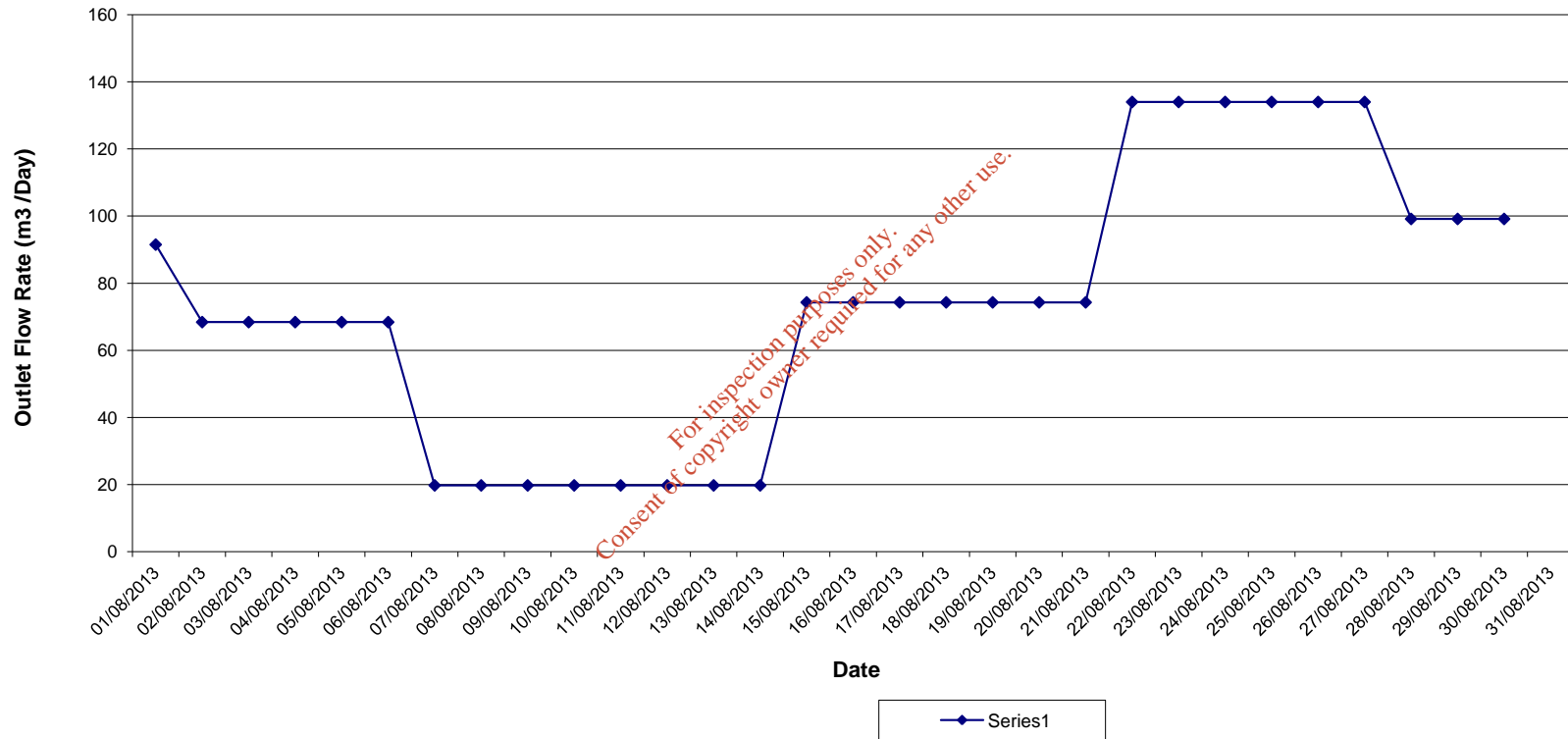


ARP4/3

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	74
19/08/2013	74
20/08/2013	74
21/08/2013	74
22/08/2013	134
23/08/2013	134
24/08/2013	134
25/08/2013	134
26/08/2013	134
27/08/2013	134
28/08/2013	99
29/08/2013	99
30/08/2013	99
31/08/2013	

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





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Monthly Status Report
Mogeely WWTP, August 2013

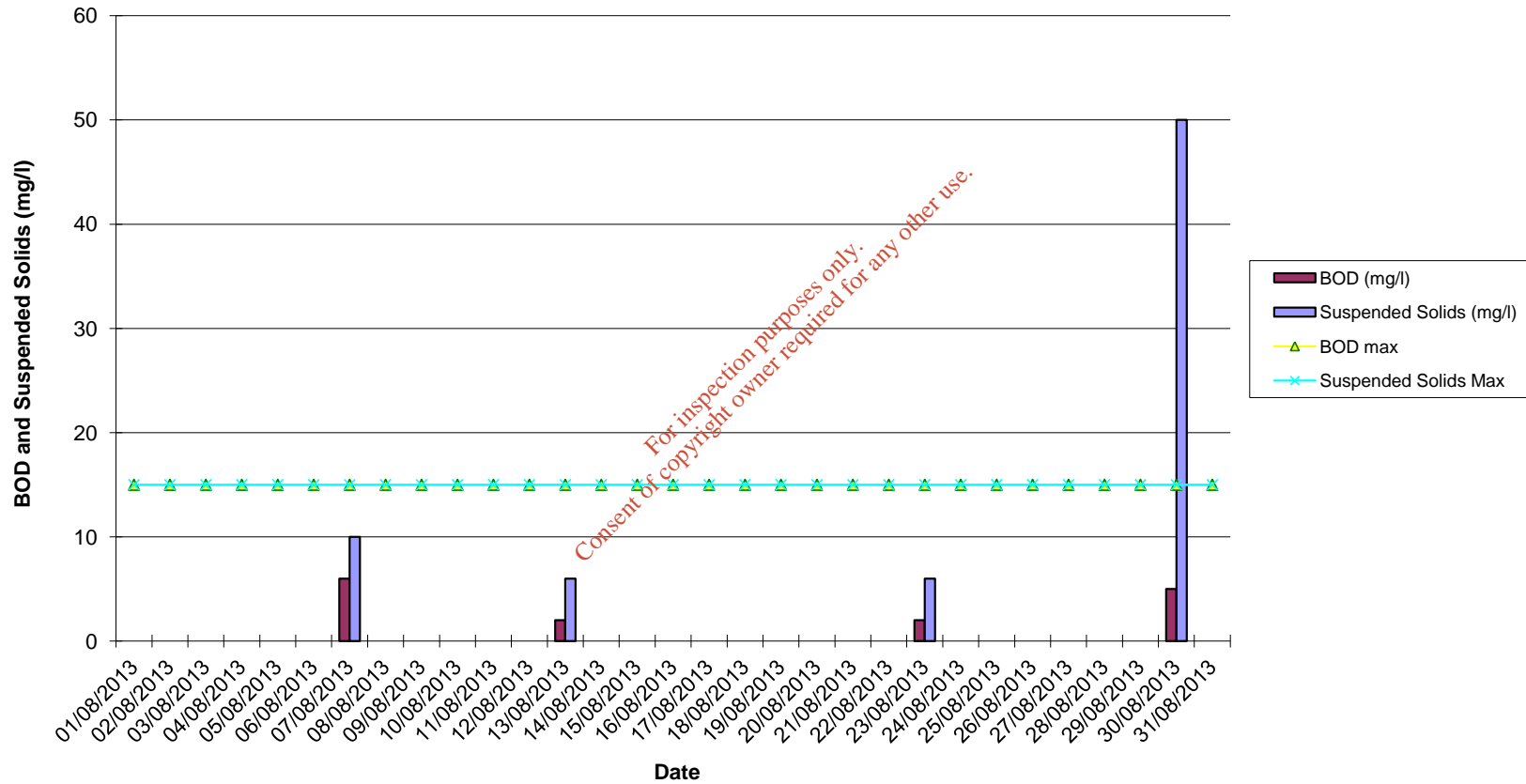
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Table of BOD & Suspended Solids of Final Effluent for May 2013		
Date	BOD (mg/l)	Suspended Solids (mg/l)
01/08/2013		
02/08/2013		
03/08/2013		
04/08/2013		
05/08/2013		
06/08/2013		
07/08/2013	6	10
08/08/2013		
09/08/2013		
10/08/2013		
11/08/2013		
12/08/2013		
13/08/2013	2	6
14/08/2013		
15/08/2013		
16/08/2013		
17/08/2013		
18/08/2013		
19/08/2013		
20/08/2013		
21/08/2013		
22/08/2013		
23/08/2013	2	6
24/08/2013		
25/08/2013		
26/08/2013		
27/08/2013		
28/08/2013		
29/08/2013		
30/08/2013	5	50
31/08/2013		
Average	3.8	18.0

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





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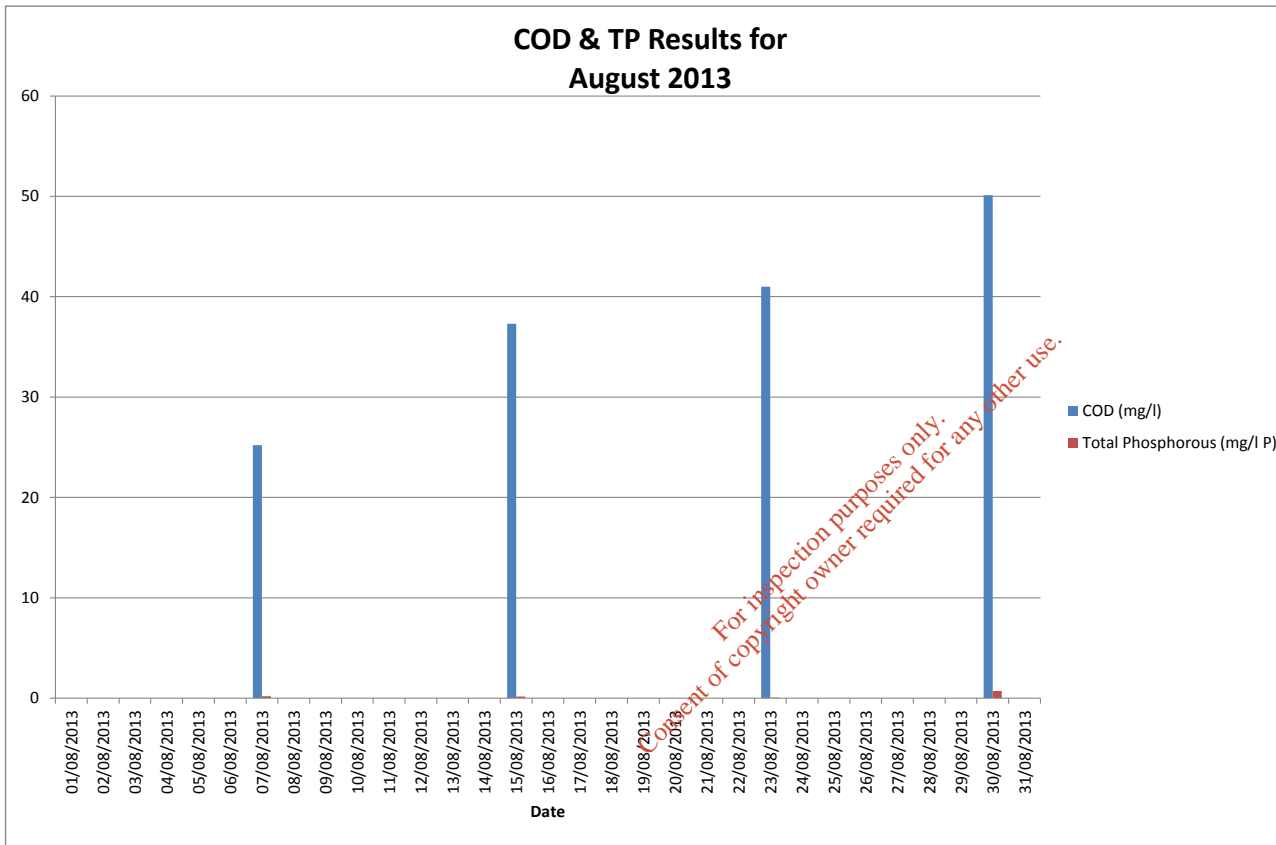
Table of total nitrogen, total phosphorous of Final Effluent for May 2013		
Date	COD (mg/l)	Total Phosphorous (mg/l P)
01/08/2013		
02/08/2013		
03/08/2013		
04/08/2013		
05/08/2013		
06/08/2013		
07/08/2013	25.2	0.2
08/08/2013		
09/08/2013		
10/08/2013		
11/08/2013		
12/08/2013		
13/08/2013		
14/08/2013		
15/08/2013	37.3	0.15
16/08/2013		
17/08/2013		
18/08/2013		
19/08/2013		
20/08/2013		
21/08/2013		
22/08/2013		
23/08/2013	41	0.04
24/08/2013		
25/08/2013		
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

Process Operational Change Record			
Date	Description of Process Operational Change	Purpose of Process Operational Change	Implemented by
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
25/08/2013	Screen cleared	Routine maintenance	R Morrisson
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
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Plant Manager	Owen Rea	Sep-13
For Period	Aug-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)

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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 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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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 ₂	COD mg/l O ₂	pH	SS mg/l	Ammonia mg/l	TP mg/l P	BOD mg/l O ₂	COD mg/l O ₂	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 ₂ Per Cell	
07/08/2013	43	497	7.45	418		4.85	9	25.2	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	2	41	7.81	6	0.3	0.04		1550				
30/08/2013	115	717	8.05	266	21.5	8.9	3	50.1	7.77	50	1.5	0.7		1784				
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 O ₂	COD mg/l O ₂	pH	SS mg/l	Ammonia mg/l	TP-mg/l P
Average	117.25	636.50	7.80	507.50	25.83	6.59

Parameter	BOD mg/l O ₂	COD mg/l O ₂	pH	SS mg/l	Ammonia mg/l	TP-mg/l P
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