



System Procedure
 Monthly Status Report
 Mogeely WWTP, September 2013

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



Mogeely Waste Water Treatment Plant
 Operational Report
 For
 September 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 September 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 5th 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 September 2013.

Inlet Flow	Total	2258	m3/day
	Max	75	m3/day
	Min	70	m3/day
	Ave	73	m3/day
	% DWF	54%	
	Ave PE	364	PE/day

Outlet Flow	Total	3405	m3/day
	Max	127	m3/day
	Min	99	m3/day
	Ave	114	m3/day

Biological Loading	Ave Conc	192.50	mg/l
	Ave Load	14.0	kgBOD/day
	% Design	39.0%	
	Ave PE	233.7	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 September.

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	192.50	500.00	7.52	387.00	21.97	20.88

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

The plant is operating satisfactorily

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3. Graphical Presentation of Data

ARP4/1

Table of total daily inlet flows for September 2013

Date	Flow
01/09/2013	70
02/09/2013	70
03/09/2013	70
04/09/2013	73
05/09/2013	73
06/09/2013	73
07/09/2013	73
08/09/2013	73
09/09/2013	73
10/09/2013	73
11/09/2013	72
12/09/2013	72
13/09/2013	72
14/09/2013	72
15/09/2013	72
16/09/2013	72
17/09/2013	73
18/09/2013	73
19/09/2013	73
20/09/2013	73
21/09/2013	73
22/09/2013	73
23/09/2013	73
24/09/2013	75
25/09/2013	75
26/09/2013	75
27/09/2013	75
28/09/2013	75
29/09/2013	75
30/09/2013	75

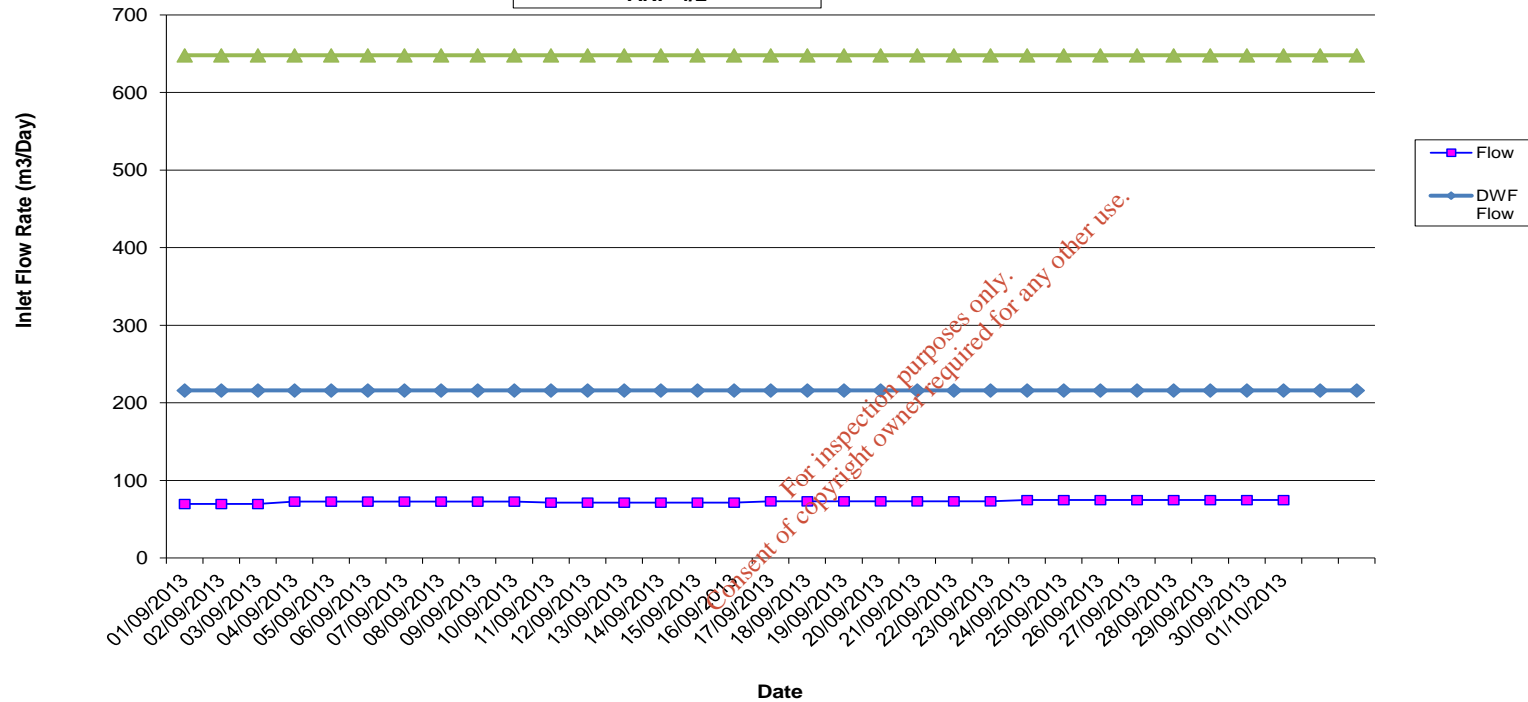
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Graph of Daily Inlet Flows for
August 2013
(m3/day)
ARP 4/2



ARP4/3

Table of total daily outlet flows for September 2013	
	Outlet Flow (m ³)
01/09/2013	99
02/09/2013	99
03/09/2013	99
04/09/2013	104
05/09/2013	104
06/09/2013	104
07/09/2013	104
08/09/2013	104
09/09/2013	104
10/09/2013	104
11/09/2013	106
12/09/2013	106
13/09/2013	106
14/09/2013	106
15/09/2013	106
16/09/2013	106
17/09/2013	127
18/09/2013	127
19/09/2013	127
20/09/2013	127
21/09/2013	127
22/09/2013	127
23/09/2013	127
24/09/2013	122
25/09/2013	122
26/09/2013	122
27/09/2013	122
28/09/2013	122
29/09/2013	122
30/09/2013	122
01/10/2013	

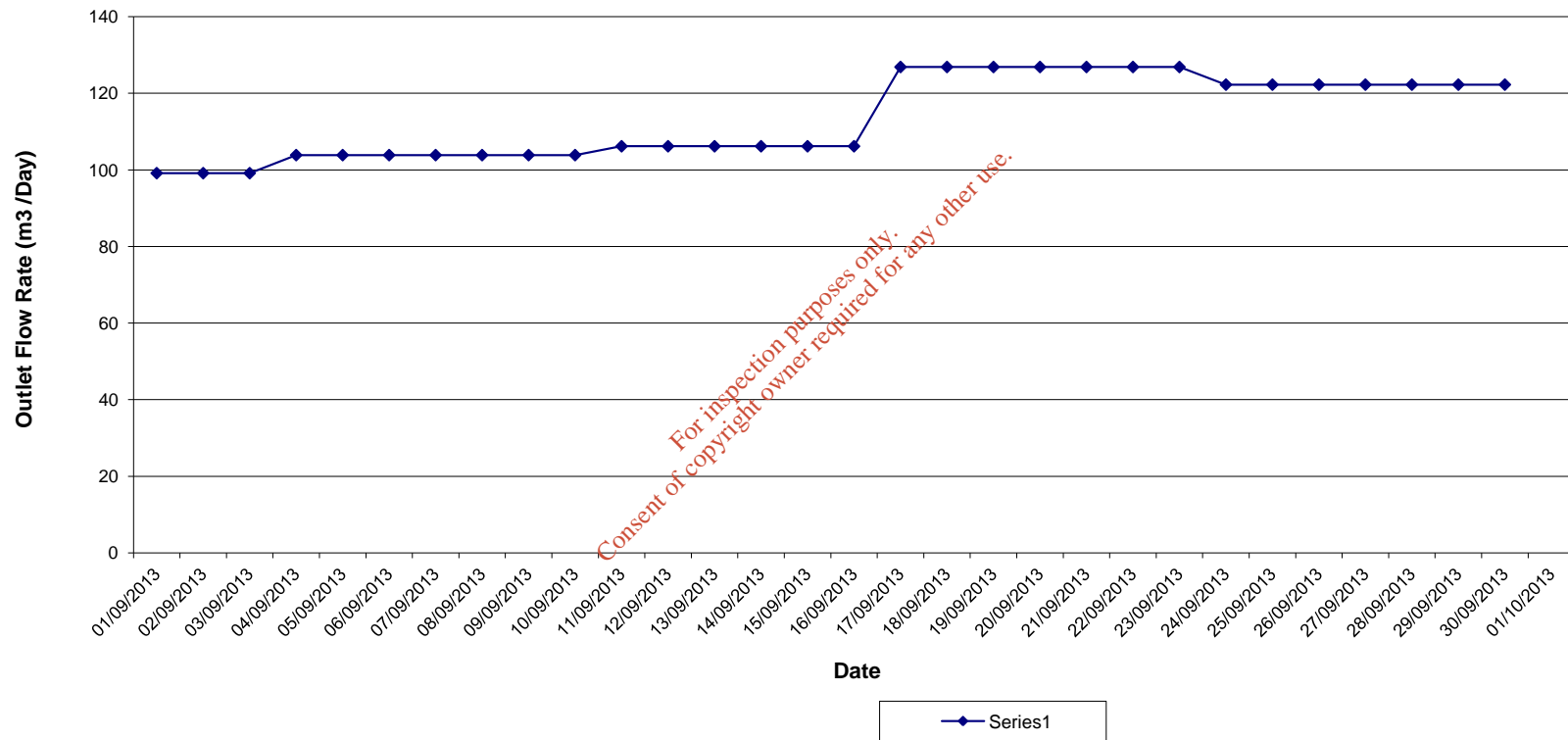
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Graph of Total Daily Outlet Flows for
September 2013
(m³/day)
ARP4/4





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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)
01/09/2013		
02/09/2013		
03/09/2013	2	6
04/09/2013		
05/09/2013		
06/09/2013		
07/09/2013		
08/09/2013		
09/09/2013		
10/09/2013		
11/09/2013		
12/09/2013	2	6
13/09/2013		
14/09/2013		
15/09/2013		
16/09/2013		
17/09/2013	3	8
18/09/2013		
19/09/2013		
20/09/2013		
21/09/2013		
22/09/2013		
23/09/2013		
24/09/2013	3	6
25/09/2013		
26/09/2013		
27/09/2013		
28/09/2013		
29/09/2013		
30/09/2013		
01/10/2013		
Average	2.5	6.5

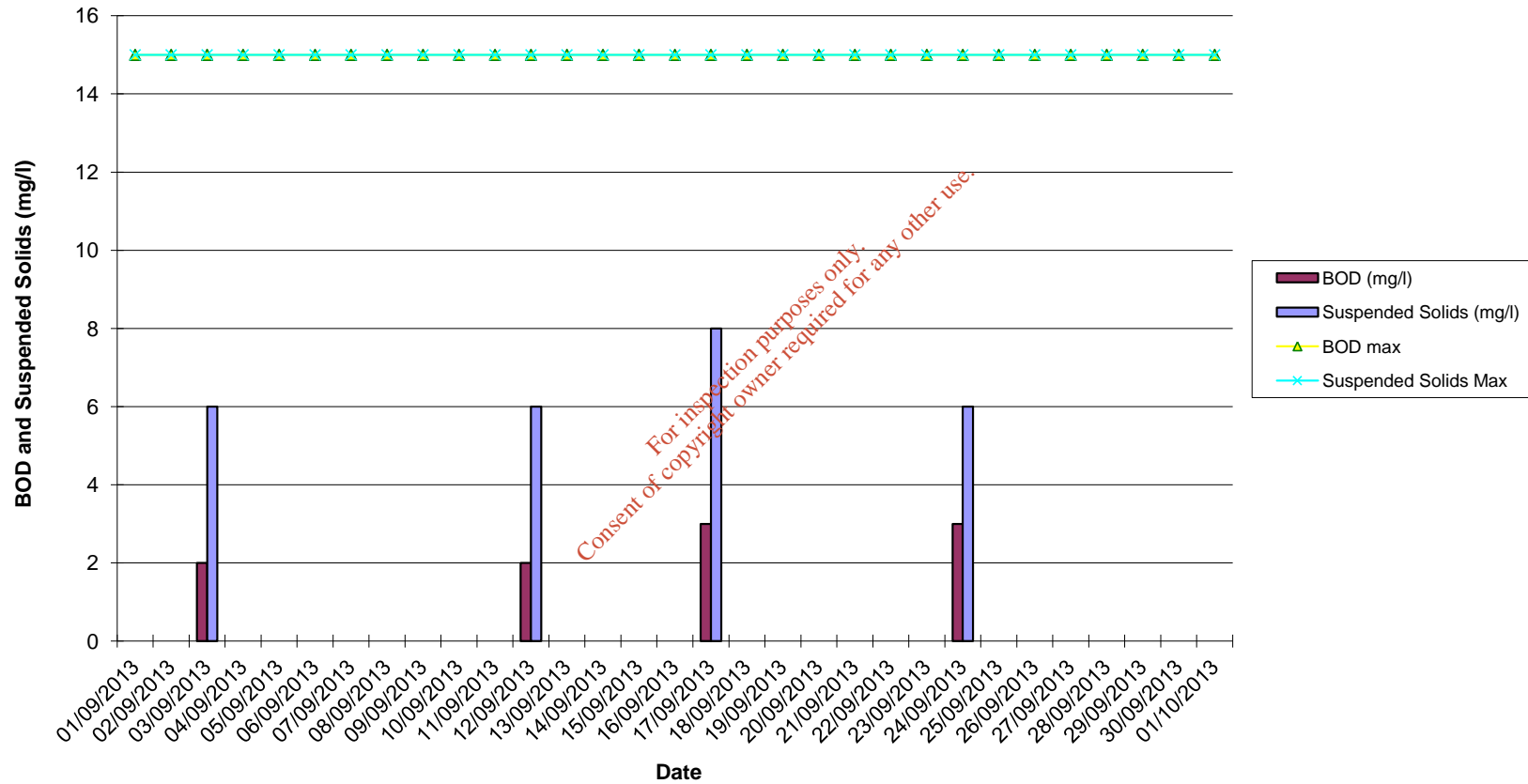
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Graph of BOD and Suspended Solids for
 September 2013
 ARP4/6





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ARP 4/7

Table of total nitrogen, total phosphorous of Final Effluent for May 2013

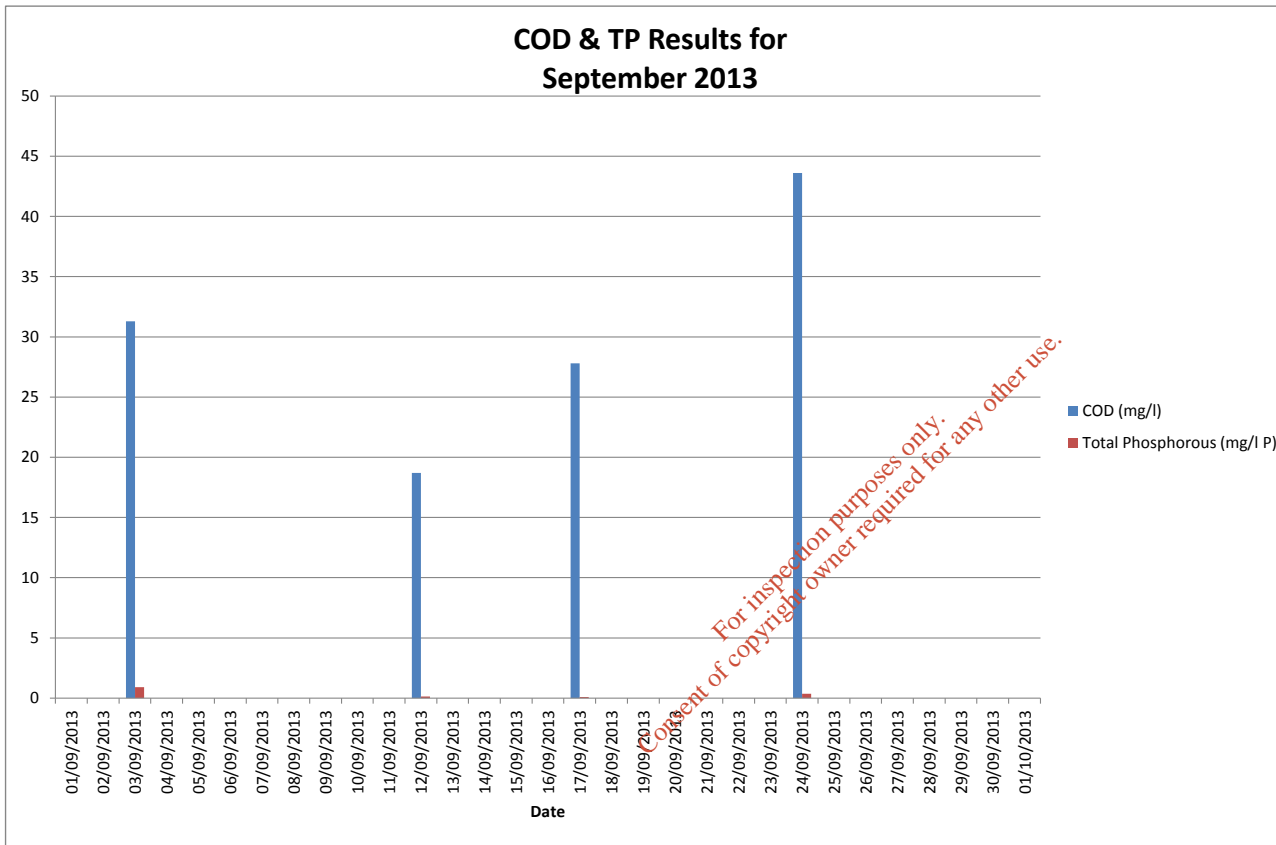
Date	COD (mg/l)	Total Phosphorous (mg/l P)
01/09/2013		
02/09/2013		
03/09/2013	31.3	0.9
04/09/2013		
05/09/2013		
06/09/2013		
07/09/2013		
08/09/2013		
09/09/2013		
10/09/2013		
11/09/2013		
12/09/2013	18.7	0.14
13/09/2013		
14/09/2013		
15/09/2013		
16/09/2013		
17/09/2013	27.8	0.09
18/09/2013		
19/09/2013		
20/09/2013		
21/09/2013		
22/09/2013		
23/09/2013		
24/09/2013	43.6	0.37
25/09/2013		
26/09/2013		
27/09/2013		
28/09/2013		
29/09/2013		
30/09/2013		
01/10/2013		

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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	Oct-13
For Period	Sep-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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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	
Limits							15	125		15	12	1						
03/09/2013	136	892	7.83	386		12.5	2	31.3	7.85	6		0.9		1886				
12/09/2013	255	172	7.25	580	21.8	60	2	18.7	7.09	6	0.8	0.14		1726				
17/09/2013	177	430	7.21	260	22.8	4.5	3	27.8	7.17	8	0.2	0.09		1598				
24/09/2013	202	506	7.8	322	21.3	6.5	3	43.6	7.6	6	0.1	0.37		1978				
Average	192.50	500.00	7.52	387.00	21.97	20.88	2.50	30.35	7.43	6.50	0.37	0.38		1797.00				
Parameter	BOD mg/l O₂	COD mg/l O₂	pH	SS mg/l	Ammonia mg/l	TP- mg/l P												
Average	192.50	500.00	7.52	387.00	21.97	20.88												
Parameter	BOD mg/l O₂	COD mg/l O₂	pH	SS mg/l	Ammonia mg/l	TP- mg/l P												
Average	2.50	30.35	7.43	6.50	0.37	0.38												



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