



Water and Waste Department • Service des eaux et des déchets

October 7, 2014

Our File: 040-18-18-55-00

Melanie Betsill
Office of Drinking Water
Manitoba Conservation and Water Stewardship
1007 Century Street
Winnipeg, Manitoba
R3H 0W4

Dear Ms. Betsill:

**RE: SEPTEMBER 2014 WATER QUALITY COMPLIANCE
SUBMISSION FOR THE CITY OF WINNIPEG WATER SUPPLY SYSTEM**

Please find attached on-line and grab turbidity summary reports, on-line and grab chlorine summary reports and the UV summary report for the Water Treatment Plant for September 2014. There are no corrective action reports to be submitted for September 2014.

The September on-line and grab sampling turbidity reports include results obtained for the Water Treatment Plant raw water and the eight filters. Please note that the on-line turbidity report shows that there were three turbidity exceedences above 0.3 NTU in September. The cause for the high values was due to the air saturator not starting immediately upon plant startup after the plant shutdowns. These results were for a short period of time and did not exceed the normal operating turbidity for more than 12 consecutive hours. There are no on-line turbidity results for raw water on September 28, 29 and 30 because the meter was not working properly due to a maintenance issue. The meter has been cleaned and serviced and the issue appears to have been resolved.

The September on-line and grab sampling chlorine reports include results obtained for the Deacon Booster Pumping Station at the Water Treatment Plant. The free chlorine results at the Water Treatment Plant have met the licence requirements.

The UV submission includes the summary report for September 2014 in accordance with Section 4.13, Table 2 of the Operating Licence. The UV licence requirement has been met for September.

Please let me know of any concerns or questions respecting this submission. I may be reached by telephone at 204-986-8359 or by e-mail at rgrosselle@winnipeg.ca.

Thanks for your ongoing cooperation and understanding in this matter.

Yours sincerely,

Original signed by:

R. Grosselle
Acting Manager of Environmental Standards

Attachments

c:(e-mail)

Dr. L. Richards, Winnipeg Regional Health Authority
Dr. H. Chang, Winnipeg Regional Health Authority
Dr. S. Roberecki, Manitoba Health
D.P. Sacher, P.Eng.
G. Patton, P.Eng.
T. Shanks, P.Eng.
A. J. Weremy, P.Eng.
C. Diduck

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CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: 252.00
Licence Number: PWS-09-412 A

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

September 2014 Turbidity (NTU)

Date	Raw		Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Avg	Max	Avg	Max												
1/09/2014	2.91	0.09	0.11	0.04	0.13	0.05	0.17	0.08	0.12	0.05	0.20	0.06	0.18	0.04	0.06	0.01	0.10	
2/09/2014	3.12	0.09	0.20	0.03	0.13	0.04	0.09	0.06	0.22	0.07	0.11	0.08	0.12	0.06	0.16	0.02	0.14	
3/09/2014	3.06	0.08	0.19	0.06	0.10	0.09	0.21	0.06	0.17	0.08	0.23	0.07	0.20	0.06	0.19	0.01	0.04	
4/09/2014	3.07	0.07	0.21	0.03	0.24	0.05	0.34	0.09	0.16	0.06	0.20	0.04	0.11	0.05	0.11	0.02	0.14	
5/09/2014	3.34	0.03	0.13	0.01	0.12	0.02	0.12	0.04	0.16	0.04	0.08	0.04	0.07	0.05	0.13	0.00	0.08	
6/09/2014	3.40	0.02	0.09	0.00	0.00	0.02	0.04	0.03	0.12	0.04	0.16	0.03	0.11	0.03	0.12	0.00	0.06	
7/09/2014	3.40	0.01	0.03	0.00	0.07	0.02	0.10	0.03	0.05	0.03	0.15	0.02	0.11	0.03	0.12	0.01	0.01	
8/09/2014	3.35	0.02	0.10	0.00	0.07	0.01	0.10	0.03	0.11	0.03	0.16	0.02	0.05	0.04	0.05	0.00	0.06	
9/09/2014	3.56	0.02	0.09	0.00	0.00	0.01	0.02	0.03	0.12	0.04	0.06	0.03	0.12	0.03	0.12	0.00	0.06	
10/09/2014	3.62	0.02	0.04	0.00	0.07	0.03	0.11	0.04	0.06	0.04	0.15	0.03	0.11	0.03	0.14	0.01	0.01	
11/09/2014	3.54	0.04	0.11	0.01	0.07	0.03	0.14	0.06	0.19	0.04	0.17	0.04	0.05	0.06	0.08	0.00	0.08	
12/09/2014	3.47	0.03	0.13	0.00	0.01	0.04	0.06	0.05	0.16	0.07	0.10	0.05	0.13	0.06	0.17	0.01	0.09	
13/09/2014	3.29	0.03	0.05	0.01	0.08	0.04	0.15	0.06	0.08	0.05	0.17	0.04	0.13	0.05	0.18	0.01	0.02	
14/09/2014	3.28	0.05	0.13	0.01	0.10	0.03	0.16	0.06	0.16	0.04	0.17	0.04	0.06	0.08	0.10	0.01	0.10	
15/09/2014	3.18	0.04	0.14	0.01	0.02	0.05	0.07	0.06	0.18	0.07	0.09	0.06	0.15	0.07	0.20	0.01	0.10	
16/09/2014	3.05	0.04	0.15	0.02	0.11	0.05	0.18	0.08	0.09	0.05	0.19	0.04	0.15	0.06	0.16	0.01	0.02	
17/09/2014	2.92	0.06	0.09	0.03	0.11	0.05	0.19	0.06	0.20	0.05	0.18	0.04	0.08	0.05	0.08	0.01	0.13	
18/09/2014	2.87	0.05	0.15	0.02	0.11	0.05	0.08	0.06	0.18	0.07	0.08	0.06	0.15	0.05	0.15	0.01	0.12	
19/09/2014	2.93	0.06	0.21	0.02	0.14	0.09	0.18	0.06	0.12	0.08	0.19	0.09	0.16	0.07	0.17	0.05	0.09	
20/09/2014	2.78	0.07	0.12	0.05	0.10	0.07	0.21	0.11	0.22	0.06	0.21	0.08	0.19	0.07	0.17	0.06	0.17	
21/09/2014	2.66	0.05	0.16	0.02	0.12	0.04	0.16	0.05	0.18	0.04	0.16	0.05	0.10	0.06	0.10	0.02	0.13	
22/09/2014	2.66	0.03	0.14	0.01	0.11	0.03	0.05	0.04	0.17	0.05	0.06	0.06	0.15	0.05	0.15	0.01	0.12	
23/09/2014	2.63	0.03	0.14	0.01	0.10	0.04	0.15	0.05	0.08	0.04	0.17	0.04	0.15	0.04	0.16	0.02	0.03	
24/09/2014	2.81	0.05	0.25	0.03	0.23	0.04	0.32	0.05	0.31	0.03	0.23	0.05	0.20	0.05	0.20	0.03	0.29	
25/09/2014	2.89	0.04	0.10	0.01	0.06	0.03	0.09	0.05	0.14	0.05	0.13	0.06	0.12	0.06	0.11	0.01	0.06	
26/09/2014	2.65	0.02	0.05	0.01	0.02	0.03	0.10	0.06	0.08	0.05	0.15	0.05	0.13	0.04	0.14	0.02	0.07	
27/09/2014	2.50	0.05	0.14	0.02	0.10	0.03	0.23	0.04	0.14	0.04	0.07	0.05	0.08	0.06	0.08	0.01	0.11	
28/09/2014	NR	0.03	0.13	0.01	0.10	0.03	0.05	0.04	0.16	0.06	0.10	0.06	0.14	0.05	0.15	0.01	0.03	
29/09/2014	NR	0.03	0.13	0.01	0.02	0.03	0.14	0.06	0.08	0.04	0.16	0.04	0.15	0.05	0.15	0.02	0.09	
30/09/2014	NR	0.04	0.07	0.02	0.13	0.03	0.15	0.05	0.16	0.04	0.15	0.04	0.07	0.06	0.08	0.02	0.05	

Total Number of Measurements Taken, A: 13664
Turbidity Standard for Monitoring Location (NTU): 0.30
Number of Measurements Meeting Standard, B: 13664
Compliance with Turbidity Standard, C = B/A X 100%: 100.00%

12731 13531 11132 13837 13863 12816 13700
0.30 0.30 0.30 0.30 0.30 0.30 0.30
12731 13513 11125 13837 13863 12816 13700
100.00% 99.87% 99.94% 100.00% 100.00% 100.00% 100.00%

NR = No result due to analyser maintenance requirements

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2014\09-September

Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENVIRONMENTAL STANDARDS DIVISION

WATER TREATMENT PLANT TURBIDITY GRAB MONITORING REPORT

Water System Code: 252.00	Licence No. PWS-09-412 A	Turbidity (NTU)									
		Date	Raw Water	Filter 1	Filter 2	Filter 3	Filter 4	Filter 5	Filter 6	Filter 7	Filter 8
		01-Sep-2014	2.51	0.13	0.18	0.18	0.14	0.21	0.13	0.09	0.13
		02-Sep-2014	2.43	0.18	0.12	0.13	0.19	0.10	0.12	0.12	0.18
		03-Sep-2014	2.35	0.14	0.16	0.21	0.20	0.18	0.20	0.20	0.12
		04-Sep-2014	2.36	0.09	0.11	0.14	0.10	0.09	0.08	0.09	0.10
		05-Sep-2014	3.01	0.10	0.06	0.08	0.11	0.08	0.10	0.08	0.13
		06-Sep-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
		07-Sep-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
		08-Sep-2014	2.38	0.06	0.08	0.10	0.07	0.09	0.07	0.05	0.08
		09-Sep-2014	2.97	0.14	<0.05	0.05	0.11	0.08	0.09	0.08	0.06
		10-Sep-2014	2.48	0.07	0.08	0.10	0.07	0.10	0.11	0.06	0.07
		11-Sep-2014	2.60	0.10	0.11	0.16	0.12	0.09	0.12	0.09	0.10
		12-Sep-2014	2.60	0.14	0.09	0.11	0.08	0.09	0.13	0.12	0.08
		13-Sep-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
		14-Sep-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
		15-Sep-2014	2.21	0.13	0.10	0.11	0.14	0.10	0.12	0.12	0.17
		16-Sep-2014	2.38	0.16	0.10	0.15	0.10	0.12	0.14	0.14	0.11
		17-Sep-2014	2.69	0.12	0.11	0.12	0.12	0.08	0.08	0.09	0.14
		18-Sep-2014	2.04	0.10	0.13	0.11	0.11	0.12	0.11	0.11	0.18
		19-Sep-2014	2.16	0.11	0.11	0.10	0.13	0.11	0.11	0.10	0.12
		20-Sep-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
		21-Sep-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
		22-Sep-2014	2.14	0.12	0.16	0.13	0.13	0.11	0.09	0.09	0.13
		23-Sep-2014	1.68	0.11	0.09	0.12	0.12	0.11	0.10	0.12	0.15
		24-Sep-2014	2.03	0.10	0.11	0.13	0.11	0.07	0.11	0.10	0.16
		25-Sep-2014	1.67	0.09	0.08	0.11	0.10	0.10	0.14	0.11	0.13
		26-Sep-2014	1.65	0.09	0.08	0.12	0.10	0.12	0.07	0.08	0.11
		27-Sep-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
		28-Sep-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
		29-Sep-2014	1.65	0.10	0.11	0.13	0.11	0.12	0.12	0.13	0.14
		30-Sep-2014	1.25	0.11	0.11	0.12	0.13	0.09	0.09	0.09	0.10
Total number of measurements taken, A:			22	22	22	22	22	22	22	22	22
Turbidity Standard for Monitoring Location (NTU):			0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Number of measurements meeting standard, B:			22	22	22	22	22	22	22	22	22
Compliance with Turbidity Standard, C= B/A X 100%:			100%	100%	100%	100%	100%	100%	100%	100%	100%

NS: No Sample NA: Not Analyzed OL: Off-Line

Comments:

Report Compiled By: H.Demchenko

Approved in LIMS By: C.Diduck/ A.Vanderstel



City of Winnipeg

Water and Waste Department

Water Services

WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**

Licence Number: **PWS-09-412 A**

Report Created: **01 October 2014**

Report Period: **September 2014**

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/09/2014	1.45	1.24	1.42	1.28
02/09/2014	1.46	0.93	1.31	0.71
03/09/2014	1.60	1.30	1.49	1.29
04/09/2014	1.58	1.37	1.56	1.39
05/09/2014	1.46	1.31	1.39	1.24
06/09/2014	1.59	1.38	1.41	1.15
07/09/2014	1.53	1.33	1.48	1.31
08/09/2014	1.50	1.26	1.65	1.44
09/09/2014	1.36	1.09	1.32	1.02
10/09/2014	1.57	1.27	1.38	1.11
11/09/2014	1.36	1.05	1.43	1.20
12/09/2014	1.58	1.28	1.47	1.22
13/09/2014	1.72	1.53	1.54	1.30
14/09/2014	1.59	1.29	1.49	1.42
15/09/2014	1.73	1.53	1.57	1.44
16/09/2014	1.72	1.50	1.52	1.39
17/09/2014	1.45	1.28	1.45	1.30
18/09/2014	1.47	1.18	1.42	1.18
19/09/2014	1.48	1.11	1.39	1.21
20/09/2014	1.34	1.18	1.39	1.11
21/09/2014	1.22	1.01	1.27	1.09
22/09/2014	1.40	1.29	1.27	1.15
23/09/2014	1.47	1.32	1.31	1.21
24/09/2014	1.60	1.19	1.62	1.32
25/09/2014	1.62	1.28	1.83	1.26
26/09/2014	1.33	1.14	1.23	1.10
27/09/2014	1.49	1.36	1.36	1.12
28/09/2014	1.51	1.30	1.56	1.25
29/09/2014	1.56	1.30	1.48	1.23
30/09/2014	1.67	1.45	1.62	1.43

Total Number of Measurements, A: **20595** 20568

Minimum Free Chlorine Standard: **0.50** 0.50

Number of Measurements Meeting Standard, B: **20595** 20568

COMPLIANCE, C = B/A X 100%: **100** 100

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2014\09-September

Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENVIRONMENTAL STANDARDS DIVISION

WATER TREATMENT PLANT CHLORINE GRAB MONITORING REPORT

Water System Code: 252.00	Deacon Booster Pumping Station Branch 1		Deacon Booster Pumping Station Branch 2	
Licence No. PWS-09-412 A	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Free Chlorine (mg/L)	Total Chlorine (mg/L)
Date				
01-Sep-2014	1.61	1.79	1.61	1.84
02-Sep-2014	1.44	1.61	1.46	1.66
03-Sep-2014	1.72	1.89	1.47	1.73
04-Sep-2014	1.52	1.73	1.49	1.71
05-Sep-2014	1.52	1.67	1.46	1.64
06-Sep-2014	NS	NS	NS	NS
07-Sep-2014	NS	NS	NS	NS
08-Sep-2014	1.56	1.72	1.53	1.79
09-Sep-2014	1.37	1.52	1.26	1.42
10-Sep-2014	1.48	1.67	1.30	1.52
11-Sep-2014	1.36	1.46	1.36	1.54
12-Sep-2014	1.61	1.78	1.37	1.63
13-Sep-2014	NS	NS	NS	NS
14-Sep-2014	NS	NS	NS	NS
15-Sep-2014	1.78	1.98	1.65	1.88
16-Sep-2014	1.72	1.89	1.61	1.78
17-Sep-2014	1.57	1.77	1.54	1.77
18-Sep-2014	1.57	1.78	1.43	1.64
19-Sep-2014	1.44	1.64	1.39	1.60
20-Sep-2014	NS	NS	NS	NS
21-Sep-2014	NS	NS	NS	NS
22-Sep-2014	1.31	1.55	1.26	1.51
23-Sep-2014	1.37	1.56	1.38	1.60
24-Sep-2014	1.76	1.98	1.79	2.11
25-Sep-2014	1.63	1.88	1.69	1.91
26-Sep-2014	1.30	1.54	1.43	1.66
27-Sep-2014	NS	NS	NS	NS
28-Sep-2014	NS	NS	NS	NS
29-Sep-2014	1.62	1.80	1.55	1.82
30-Sep-2014	1.70	1.91	1.70	1.92
Total number of measurements taken, A:	22		22	
Chlorine Standard for Monitoring Location (mg/L):	0.50		0.50	
Number of measurements meeting standard, B:	22		22	
Compliance with Chlorine Standard, C= B/A X 100%:	100%		100%	

NS: No Sample NA: Not Analyzed OL: Off-Line

Comments:

Report Compiled By: H.Demchenko

Approved in LIMS By: C.Diduck/ A.Vanderstel



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: 252.00
Licence Number: PWS-09-412 A

WATER TREATMENT PLANT UV REPORT

Report Period: **September 2014**

Report Created: **Wednesday, October 01, 2014**

Date	Transmittance %	UVR-D100A				UVR-D200A				UVR-D300A				UVR-D400A				UVR-D500A				UVR-D600A				Total Water Volume [ML]				% Volume Treated To	
		Water Volume [ML]				Water Volume [ML]				Water Volume [ML]				Water Volume [ML]				Water Volume [ML]				Water Volume [ML]				Water Volume [ML]					
		Untreated	Below	To	Total	Untreated	Below	To	Total																						
1/09/2014	96.23	0.00	0.00	0.00	0.00	0.00	0.00	69.97	69.97	0.00	0.00	0.00	0.00	0.00	0.00	70.46	70.46	0.00	0.00	0.00	0.00	0.00	0.00	64.57	64.57	0.00	0.00	205.01	205.01	100.00	
2/09/2014	95.76	0.00	0.00	29.37	29.37	0.00	0.10	40.95	41.05	0.00	0.00	0.00	0.00	4.28	4.28	31.92	40.48	0.00	0.00	22.64	22.64	0.00	0.11	58.66	58.76	4.28	4.48	183.54	192.30	95.45	
3/09/2014	95.76	0.00	0.00	52.08	52.08	0.00	0.08	24.20	24.27	0.00	0.00	0.00	0.00	0.00	0.03	52.28	52.32	0.00	0.00	62.19	62.19	0.00	0.09	15.19	15.28	0.00	0.20	205.94	206.14	99.90	
4/09/2014	95.84	0.00	0.93	42.69	43.62	0.00	0.74	49.53	50.27	0.00	0.00	0.00	0.00	0.00	0.00	34.77	34.77	0.41	0.41	44.14	44.96	0.00	0.08	36.55	36.64	0.41	2.16	207.68	210.26	98.78	
5/09/2014	96.84	0.00	0.07	14.87	14.94	0.00	0.00	40.01	40.01	0.00	0.00	0.00	0.00	0.00	0.00	51.19	51.19	0.00	0.00	37.03	37.03	0.00	0.22	67.49	67.71	0.00	0.30	210.60	210.89	99.86	
6/09/2014	97.09	0.00	0.00	35.99	35.99	0.00	0.00	35.71	35.72	0.00	0.00	0.00	0.00	0.01	0.01	57.61	57.63	0.00	0.10	50.13	50.23	0.00	0.17	32.75	32.92	0.02	0.29	212.19	212.49	99.86	
7/09/2014	97.12	0.00	0.00	21.12	21.12	0.00	0.06	73.51	73.56	0.00	0.00	0.00	0.00	0.00	0.00	45.56	45.56	0.00	0.04	38.96	38.99	0.00	0.00	35.63	35.63	0.00	0.10	214.77	214.86	99.96	
8/09/2014	97.34	0.00	0.00	0.31	0.31	0.00	0.07	49.99	50.06	0.00	0.00	0.00	0.00	0.00	0.00	52.87	52.87	0.00	0.00	37.05	37.05	0.00	0.00	68.08	68.08	0.00	0.07	208.31	208.38	99.97	
9/09/2014	97.66	0.00	0.00	9.03	9.03	0.00	0.10	19.11	19.21	0.00	0.00	21.79	21.79	0.00	0.00	47.47	47.47	0.00	0.00	34.61	34.61	0.00	0.05	68.00	68.05	0.00	0.15	200.00	200.15	99.92	
10/09/2014	97.33	0.00	0.14	34.21	34.36	0.00	0.00	39.10	39.11	0.00	0.00	35.35	35.35	0.00	0.00	26.00	26.00	0.00	0.00	25.82	25.82	0.00	0.04	34.91	34.95	0.00	0.18	195.40	195.58	99.91	
11/09/2014	97.30	0.00	0.10	53.77	53.87	0.00	0.00	19.86	19.86	0.00	0.00	46.64	46.64	0.00	0.00	0.00	0.00	0.00	0.00	40.99	40.99	0.00	0.00	33.64	33.65	0.00	0.10	194.91	195.01	99.95	
12/09/2014	96.95	0.00	0.10	27.65	27.75	0.00	0.00	47.95	47.95	0.00	0.32	25.62	25.95	0.00	0.12	17.07	17.20	0.00	0.03	43.27	43.30	0.00	0.00	32.71	32.71	0.00	0.57	194.27	194.85	99.71	
13/09/2014	96.66	0.00	0.00	0.00	0.00	0.00	0.16	58.24	58.40	0.01	0.01	7.91	7.93	0.00	0.00	53.35	53.35	0.00	0.00	29.38	29.38	0.00	0.00	45.74	45.74	0.01	0.17	194.63	194.80	99.91	
14/09/2014	96.55	0.08	0.08	0.00	0.15	0.00	0.27	71.25	71.51	0.00	0.00	0.57	0.57	0.00	0.00	54.37	54.37	0.00	0.00	0.00	0.00	0.00	0.10	70.52	70.62	0.08	0.44	196.71	197.23	99.74	
15/09/2014	95.88	0.00	0.00	11.55	11.55	0.00	0.00	18.73	18.73	0.00	0.00	44.35	44.35	0.00	12.74	41.24	53.98	0.00	0.00	0.00	0.00	0.00	0.05	70.49	70.53	0.00	12.79	186.35	199.14	93.58	
16/09/2014	95.90	0.00	0.18	60.33	60.50	0.00	0.00	8.08	8.08	0.00	0.10	47.92	48.02	0.00	0.00	0.00	0.00	0.00	0.00	19.22	19.22	0.00	0.00	68.46	68.46	0.00	0.28	204.01	204.28	99.87	
17/09/2014	95.05	0.00	0.00	0.00	0.00	0.00	0.04	65.92	65.96	0.00	0.00	0.00	0.00	0.00	0.00	43.07	43.07	0.00	0.00	31.27	31.27	0.00	0.10	69.46	69.56	0.00	0.14	209.73	209.87	99.93	
18/09/2014	96.06	0.00	0.13	51.38	51.50	0.00	0.04	20.35	20.39	0.01	0.06	51.82	51.89	0.00	0.05	17.22	17.28	0.00	0.00	34.32	34.32	0.00	0.00	40.53	40.53	0.01	0.28	215.62	215.91	99.87	
19/09/2014	95.96	0.00	0.11	18.34	18.45	0.00	0.00	57.89	57.89	0.00	0.00	28.46	28.46	0.00	0.06	28.78	28.84	0.00	0.04	33.26	33.30	0.00	0.16	52.91	53.07	0.00	0.37	219.63	220.00	99.83	
20/09/2014	95.67	0.00	0.00	7.69	7.69	0.00	0.00	70.99	70.99	0.00	0.00	38.88	38.88	0.00																	