Saturday, 24 January 2015

Ms Amanda Langstaff,
Natural Resources Wales,
Chester Road,
Buckley,
Flintshire.
CH7 3AJ

Dear Ms Langstaff,

Data Submission December 2014

Please find enclosed the monthly data submission for routine environmental monitoring undertaken at our Ruabon Landfill Site during December 2014.

We trust this is satisfactory, please do not hesitate to contact us should you require further clarification.

Yours sincerely,
for FCC ENVIRONMENT

Geoff Forrest

Environment Manager, North Wales

Ruabon Landfill Site

Routine Environmental Monitoring Data Submission

December 2014

Prepared by G.Forrest
28th January 2015

APPENDIX 1

Field Logs

Field log report

Ruabon

02-December-2014

Equipment 01 Calibration Due	21/02/2015
Equipment 01 Last Calibration	06/11/2014
Equipment 01 Serial No.	LT1
Equipment 01 Type	Hannah Instruments HI98130
Equipment 02 Last Calibration	N/A
Equipment 02 Serial No.	30858
Equipment 02 Type	Dip Meter, In Situ Rugged Level tape 200
Personnel 01	L.Terrace
Time OFF	15:20
Time ON	09:10
Weather	Sunny

Issued By:

Signed By :

Name :

Field log report

Ruabon

05-December-2014

Equipment 01 Last Calibration	30/10/2014
Equipment 01 Serial No.	GEM2000Plus + GM10338
Personnel 01	INF00307 alan.parry
Time OFF	12:42
Time ON	08:56
Weather	Cold

Issued By:

Signed By :

Name :

Field log report

Ruabon

11-December-2014

Equipment 01 Last Calibration	30/10/2014
Equipment 01 Serial No.	GEM2000Plus + GM10338
Personnel 01	INF00307 Alan.Parry
Time OFF	13:00
Time ON	11:49
Weather	Wet

Issued By:

Signed By :

Name :

Field log report

Ruabon

12-December-2014

Equipment 01 Calibration Due	21/02/2015
Equipment 01 Last Calibration	20/08/2014
Equipment 01 Serial No.	G501869
Equipment 01 Type	GA5000
Personnel 01	L Terrace
Time OFF	12:45
Time ON	08:55
Weather	Sunny

Issued By:

Signed By :

Name :

Field log report

Ruabon

18-December-2014

Equipment 01 Calibration Due	21/02/2015
Equipment 01 Last Calibration	20/08/2014
Equipment 01 Serial No.	G501869
Equipment 01 Type	GA5000
Personnel 01	L Terrace
Time OFF	12:30
Time ON	08:45
Weather	Raining

Issued By:

Signed By :

Name :

Field log report

Ruabon

23-December-2014

Equipment 01 Serial No.	79281-10
Equipment 01 Type	Geotechnical Atex Dip Meter
Personnel 01	G Forrest
Time OFF	15:45
Time ON	14:30
Weather	rain, mild

Issued By:

Signed By :

Name :

Field log report

Ruabon

24-December-2014

Equipment 01 Calibration Due	21/02/2015
Equipment 01 Last Calibration	20/08/2014
Equipment 01 Serial No.	G501869
Equipment 01 Type	GA5000
Personnel 01	L Terrace
Time OFF	11:30
Time ON	08:30
Weather	Sunny

Issued By:

Signed By :

Name :

Field log report

Ruabon

31-December-2014

Equipment 01 Calibration Due	21/02/2015
Equipment 01 Last Calibration	20/08/2014
Equipment 01 Last Calibration	30/10/2014
Equipment 01 Serial No.	GEM2000Plus + GM10338
Equipment 01 Serial No.	G501869
Equipment 01 Type	GA5000
Personnel 01	L Terrace
Personnel 01	INF00307 Alan.Parry
Time OFF	14:39
Time OFF	12:25
Time ON	08:50
Time ON	08:45
Weather	Cold
Weather	Overcast

Issued By:

Signed By :

Name :

APPENDIX 2

Perimeter Borehole Gas Data

Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

02/12/2014

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	Dip to Water (m)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)	TD (m)
RUBH0006	1009	0	2.9	1.58	0	12.1	0.05	11.73
RUBH0007	1010	10.4	6.3	2.78	0	1.3	-0.05	38.67
RUBH0008	1009	0	0.2	1.44	0	20.6	-6.24	42.37
RUBH0009	1009	0	1.1	2.4	0	20.1	-0.07	7.49
RUBH0010	1009	0	0.4	3.15	0	20.5	0.03	36.15
RUBH0013	1007	0	1.4	1.04	0	20.3	0	34.63
RUBH0014	1007	0	1.9	2.21	0	20.2	-0.02	10.72
RUBH0015	1008	0	0.1	6.17	0	20.7	-0.12	41.71
RUBH0016	1008	0	0.3	10.68	0	20.6	-0.05	47.13
RUBH001A	1009	0	0.3	4.81	0	20.6	-0.09	12.8
RUBH001B	1009	0	0.7	5.13	0	20	-0.1	6.38
RUBH002A	1009	3.2	5.6	5.1	0	2.4	-0.07	6.49
RUBH002B	1010	0	0.2	5.16	0	21	-0.07	11.72
RUBH003A	1010	0	0.4	5.66	0	20.5	-2.44	13.09
RUBH003B	1010	0	0.1	5.5	0	20.8	-0.09	6.37
RUBH004A	1009	0	1.9	5.4	0	19	-7.73	11.04
RUBH004B	1009	0	4.5	5.38	0	17.5	-0.19	6.33
RUBH011A	1008	0	2.2	1.66	0	19.1	-3.13	12.78
RUBH011P	1008	0	0.1	3.8	0	20.8	0	14.42
RUBH012A	1008	0	1.6	0.79	0	18.6	-0.07	5.35
RUGBH001	1009	0	4.1	6.05	0	17.6	-0.03	6.05
RUGBH002	1010	0	0.6	2.12	0	20.8	-0.05	7.01
RUGBH003	1010	0	1.4	2.28	0	17.2	-0.14	4.9
RUGBH004	1010	0	0.4	2.4	0	20.5	-0.1	21.9
RUGBH005	1010	0	0.1	2.46	0	20.7	-0.09	6.33
RUGBH006	1010	0	1.6	1.31	0	20.2	0.16	6.94
RUGBH007	1007	0	1	0.7	0	20.3	-0.54	2.95
RUGBH008	1007	0	0.4	0.98	0	20.6	0.03	6.18
RUGBH009	1008	0	0.7	1.01	0	20.2	-2.07	8.23
RUGBH010	1008	0	1.4	0.72	0	20.2	-0.1	3.95
RUGBH02A	1009	0	0.1	1.32	0	20.8	0	1.4
RUGP0001	1009	38.5	4.7		0	9.6	-8.18	
RUGP0002	1009	0	6.1		0	12.9	-0.14	
RUGP0003	1009	0	0.4		0	19.3	5.2	
RUGP0004	1009	0	2.9		0	16.5	-0.02	
RUGP0008	1010	0	0.8		0	19.6	-0.09	
RUGP0009	1010	0	4.5		0	11.9	-0.09	
RUGP0010	1010	0	2.6		0	18.7	-0.19	
RUGP0011	1010	0	1.4		0	19.7	-0.02	
RUGP0012	1010	0	0.4		0	20.5	-0.24	
RUGP0013	1010	0	1.1		0	20	-0.14	
RUGP0014	1009	0	3.6		0	18.6	-0.07	
RUGP0015	1008	0	0.8		0	20.3	-0.17	
RUGP0016	1008	0	1.5		0	19.1	-0.21	
RUGP0018	1009	0	0.4		0	19.7	-2.71	
RUGP0019	1007	0	0.1		0	20.6	-0.12	
RUGP0020	1007	0	0.1		0	20.7	0.02	
RUGP0021	1007	0	0.4		0	20.3	-0.07	
RUGP00A1	1010	0	0.1		0	20.6	0	

Issued By:

Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

02/12/2014

	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	Dip to Water (m)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)	TD (m)
RUGP00A2	1009	0	0.2		0	20.6	0.31	
RUGP00A3	1009	0	0.1		0	19	-6.81	
RUGP00B1	1010	0	0.1		0	20.2	-0.02	
RUGP00B2	1010	1.2	0.4		0	18.6	0.05	
RUGP00B3	1010	0	0.1		0	20.7	-0.1	
RUGP00C1	1010	0	0.1		0	19.4	-0.07	
RUGP00C2	1010	0	0.1		0	18.6	-0.05	
RUGP00C3	1010	0	0.1		0	20.6	-3.32	
RUGP00D1	1008	0	0.1		0	20.8	0.22	
RUGP00D2	1009	0	0.1		0	20.7	-0.09	
RUGP00D3	1010	0	0.1		0	19	-6.86	
RUGP00E1	1009	0	0.1		0	20.8	-0.03	
RUGP00E2	1010	0	0.1		0	20.8	0.36	
RUGP00E3	1010	0	0.1		0	20.7	-0.31	
RUGP00F1	1009	0	0.1		0	20.4	0.02	
RUGP00F2	1010	0	0.1		0	20.6	0.22	
RUGP00F3	1009	0	0.1		0	20.8	-0.22	
RUWB001A	1009	0	0.3	2.88	0	19.2	-0.09	48.87
RUWB001B	1010	0	6.9	4.33	0	12.5	-0.17	7.88
RUWB002A	1009	0	0.2	5.39	0	20.1	0	21.36
RUWB002B	1010	0	0.6	6	0	20.7	-0.09	10.45
RUWB002C	1010	0	4.1	6.23	0	17.9	-0.05	8.01
RUWB002D	1009	0	0.3	6.03	0	20.6	-0.09	21.66
RUWB003A	1007	0	0.7	8.83	0	15.7	-13.17	10.69
RUWB003B	1007	0	0.1	0.64	0	20.8	-0.69	7.55
RUWB004A	1008	0	0.6	3.11	0	13	-6.19	48.83
RUWB004B	1008	0	1.3	1.02	0	14.5	-16.21	8.54
RUWB005A	1009	0	0.1	2.9	0	20.7	0	25.37
RUWB005B	1010	0	0.9	6.03	0	20.2	-0.12	8.38

Issued By:

Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

12/12/2014

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)
RUBH0006	981	0	2.3	0	14.7	14.36
RUBH0007	981	16	6.3	0	1	-0.14
RUBH0008	980	0	1.3	0	20.2	0.62
RUBH0009	980	0	0.7	0	20.3	-0.09
RUBH0010	979	0	1.4	0	18.9	-0.1
RUBH0013	978	0	0.5	0	20.6	0
RUBH0014	978	0	1.2	0	20.3	0.14
RUBH0015	979	0	0.1	0	20.6	-0.17
RUBH0016	979	0	0.3	0	20.5	-0.14
RUBH001A	980	0	0.3	0	19.7	-0.07
RUBH001B	980	0	1.1	0	18.7	-0.05
RUBH002A	980	3.2	5.4	0	2.6	-0.09
RUBH002B	980	0	0.2	0	20.3	-0.19
RUBH003A	980	0	0.6	0	20.1	2.33
RUBH003B	980	0	0.5	0	20.3	0.03
RUBH004A	980	0	2.2	0	18.5	10.53
RUBH004B	980	0	2.3	0	19.8	-0.16
RUBH011A	978	0	1.1	0	20.2	-0.14
RUBH011P	979	0	0.1	0	20.7	-0.1
RUBH012A	978	0	0.4	0	20.6	-0.12
RUGBH001	980	0	4.4	0	17.6	-0.07
RUGBH002	980	0	0.3	0	20.8	-0.07
RUGBH003	980	0	1.2	0	18.2	13.41
RUGBH004	981	0	0.6	0	18.7	0.12
RUGBH005	981	0	0.4	0	20.4	-0.07
RUGBH006	980	0	2.1	0	19.8	-0.09
RUGBH007	978	0	0.3	0	20.6	0.29
RUGBH008	978	0	0.8	0	20.3	-0.09
RUGBH009	978	0	0.8	0	20.1	1.07
RUGBH010	978	0	1.3	0	20.1	-0.76
RUGBH02A	980	0	0.2	0	20.7	-0.17
RUGP0001	979	46.4	5.4	0	7.3	6.86
RUGP0002	980	0	6	0	14.3	0.35
RUGP0003	980	0	0.3	0	19.1	22.85
RUGP0004	980	0	3.5	0	15.6	-0.03
RUGP0008	980	0	0.5	0	19.8	-0.55
RUGP0009	980	0	3.6	0	17	-0.03
RUGP0010	980	0	3.5	0	18.5	-0.05
RUGP0011	980	0	2.1	0	19.1	-0.03
RUGP0012	980	0	0.4	0	20.4	0.83
RUGP0013	980	0	1.1	0	20.1	-0.1
RUGP0014	980	0	3.6	0	18.4	-0.07
RUGP0015	978	0	0.6	0	20.4	-0.29
RUGP0016	978	0	1.7	0	19.8	12.96
RUGP0018	979	0	0.4	0	20.4	1.33
RUGP0019	978	0	0.1	0	20.6	0.12
RUGP0020	978	0	0.1	0	20.7	0
RUGP0021	978	0	0.2	0	20.6	-0.21
RUGP00A1	981	0	0.1	0	20.3	0

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Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

12/12/2014

	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)
RUGP00A2	981	0	0.2	0	20.3	-0.19
RUGP00A3	981	0	0.1	0	19.2	2.7
RUGP00B1	981	0	0.1	0	20.2	0.71
RUGP00B2	980	0.9	0.4	0	18	0.62
RUGP00B3	981	0	0.1	0	20.2	-1.33
RUGP00C1	981	0	0.1	0	20.1	-0.14
RUGP00C2	980	0	0.1	0	18.4	-0.14
RUGP00C3	980	0	0.3	0	20.4	-6.34
RUGP00D1	981	0	0.1	0	20.4	0.6
RUGP00D2	980	0	0.1	0	20.5	-4.27
RUGP00D3	981	0	0.1	0	17.7	3.75
RUGP00E1	980	0	0.1	0	20.4	-2.63
RUGP00E2	981	0	0.1	0	20.7	-0.14
RUGP00E3	980	0	0.1	0	20.5	-4.06
RUGP00F1	980	0	0.1	0	20.3	-1.45
RUGP00F2	980	0	0.1	0	20.3	-0.14
RUGP00F3	981	0	0.1	0	20.7	-0.12
RUWB001A	980	0	0.4	0	18.3	6.03
RUWB001B	980	0	0.6	0	19.7	1.14
RUWB002A	980	0	0.2	0	20	-0.16
RUWB002B	980	0	1.9	0	19.6	0.64
RUWB002C	980	0	3.3	0	17.6	-0.09
RUWB002D	980	0	0.3	0	20.7	-0.02
RUWB003A	978	0	0.8	0	14	-0.31
RUWB003B	978	0	0.2	0	19.2	7.14
RUWB004A	978	0	0.5	0	16.1	13.65
RUWB004B	977	0	1	0	17	1.81
RUWB005A	979	0	0.1	0	20.6	-0.16
RUWB005B	980	0	1.4	0	18.4	0.1

Issued By:

Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

18/12/2014

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)
RUBH0006	992	0	1.9	0	15.4	0.03
RUBH0007	992	15.2	5.6	0	0.4	-0.07
RUBH0008	991	0	0.3	0	20.5	-0.05
RUBH0009	991	0	0.9	0	20.3	-0.07
RUBH0010	991	0	0.4	0	20.4	-0.03
RUBH0013	989	0	0.5	0	20.6	-0.07
RUBH0014	989	0	1.2	0	20.4	0
RUBH0015	990	0	0.1	0	20.7	0
RUBH0016	990	0	0.3	0	20.5	-0.1
RUBH001A	991	0	0.2	0	19.9	-0.09
RUBH001B	991	0	0.8	0	19.2	-0.07
RUBH002A	991	3.2	5.1	0	3.7	-0.03
RUBH002B	991	0	0.1	0	20.1	-0.05
RUBH003A	992	0	0.6	0	20	0.38
RUBH003B	992	0	0.1	0	20.6	-0.86
RUBH004A	992	0	2.1	0	18.4	2.45
RUBH004B	992	0	2.2	0	19.6	-0.16
RUBH011A	990	0	0.6	0	20.4	-11.67
RUBH011P	991	0	0.1	0	20.8	-0.12
RUBH012A	990	0	0.2	0	20.7	-0.05
RUGBH001	992	0	4.1	0	17.3	0.03
RUGBH002	992	0	0.2	0	20.6	0.03
RUGBH003	992	0	1	0	18.2	2.21
RUGBH004	992	0	0.2	0	20.5	-0.07
RUGBH005	992	0.3	0.2	0	20.5	-0.07
RUGBH006	992	0	1.3	0	20	2.78
RUGBH007	989	0	0.2	0	20.7	-0.17
RUGBH008	989	0	0.4	0	20.6	-0.1
RUGBH009	989	0	0.4	0	20.4	-0.21
RUGBH010	989	0	1.4	0	20.2	-0.02
RUGBH02A	992	0	0.1	0	20.6	-0.02
RUGP0001	990	57.4	5.7	0	5.2	11.42
RUGP0002	991	0	5.2	0	13.9	-0.21
RUGP0003	991	0	0.3	0	19.2	0.1
RUGP0004	991	0	3.3	0	15.6	-0.03
RUGP0008	991	0	0.5	0	19.3	-0.16
RUGP0009	991	0	3.6	0	13.1	-0.09
RUGP0010	991	0	3.2	0	17.9	-0.14
RUGP0011	991	0	1.9	0	19.2	0
RUGP0012	991	0	0.3	0	20.2	1.31
RUGP0013	991	0	0.7	0	20.1	-0.17
RUGP0014	992	0	3.5	0	17.9	0.12
RUGP0015	990	0	0.4	0	20.6	-0.12
RUGP0016	989	0	1	0	20.1	-0.1
RUGP0018	990	0	0.5	0	20.2	9.92
RUGP0019	989	0	0.1	0	20.7	-0.17
RUGP0020	989	0	0.1	0	20.8	0.43
RUGP0021	989	0	0.1	0	20.7	0.35
RUGP00A1	992	0	0.1	0	20.2	3.02

Issued By:

Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

18/12/2014

	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)
RUGP00A2	992	0	0.2	0	20.4	0
RUGP00A3	992	0	0.1	0	20.5	-0.03
RUGP00B1	992	0	0.1	0	20.3	-0.07
RUGP00B2	991	0.6	0.3	0	18.9	0
RUGP00B3	992	0	0.1	0	20.6	-0.07
RUGP00C1	992	0	0.1	0	20	0.12
RUGP00C2	992	0	0.1	0	18.7	-0.21
RUGP00C3	992	0	0.1	0	20.5	-3.27
RUGP00D1	992	0	0.1	0	20.3	0.22
RUGP00D2	992	0	0.1	0	20.4	-0.09
RUGP00D3	992	0	0.1	0	17.9	0.73
RUGP00E1	992	0	0.1	0	20.4	0
RUGP00E2	992	0	0.1	0	20.6	-0.09
RUGP00E3	992	0	0.1	0	20.6	3.3
RUGP00F1	992	0	0.1	0	19.7	0.83
RUGP00F2	992	0	0.1	0	20.3	-0.05
RUGP00F3	992	0	0.1	0	20.5	-0.4
RUWB001A	991	0	0.4	0	18.3	-0.07
RUWB001B	991	0	0.1	0	20.4	-0.14
RUWB002A	992	0	0.2	0	20	0.52
RUWB002B	992	0	3.6	0	16.3	-0.12
RUWB002C	991	0	4.4	0	16.1	-0.09
RUWB002D	991	0	0.2	0	20.5	-0.09
RUWB003A	989	0	0.7	0	13	-6.12
RUWB003B	989	0	0.2	0	19.3	1.26
RUWB004A	989	0	0.4	0	14.3	0.31
RUWB004B	989	0	0.9	0	13.3	1.75
RUWB005A	990	0	0.1	0	20.8	-0.02
RUWB005B	991	0	0.6	0	20.4	-0.12

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Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

24/12/2014

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)
RUBH0006	1002	0	2.1	0	15.4	-0.07
RUBH0007	1001	13.9	5.3	0	0.5	-0.14
RUBH0008	1002	0	0.7	0	20.3	-0.09
RUBH0009	1001	0	0.9	0	20.2	0.29
RUBH0010	1001	0	0.5	0	20.2	-0.07
RUBH0013	1000	0	0.6	0	20.3	-0.03
RUBH0014	1000	0	1.2	0	20.3	-0.03
RUBH0015	1001	0	0.1	0	20.4	0.02
RUBH0016	1000	0	0.3	0	20.3	-0.16
RUBH001A	1002	0	0.3	0	20.5	-0.12
RUBH001B	1002	0	1	0	19.5	0.1
RUBH002A	1001	3.1	5	0	4.3	0.19
RUBH002B	1002	0	0.2	0	20.9	-0.05
RUBH003A	1002	0	0.6	0	20.4	-3.32
RUBH003B	1002	0	0.1	0	20.9	0.14
RUBH004A	1002	0	2.2	0	18.7	-4.23
RUBH004B	1002	0	1.7	0	20.3	0.55
RUBH011A	1000	0	0.2	0	20.3	-22.82
RUBH011P	1000	0	0.1	0	20.5	-0.21
RUBH012A	1000	0	1.1	0	20.3	0
RUGBH001	1002	0	4.2	0	17.8	-0.1
RUGBH002	1002	0	0.6	0	20.3	-0.12
RUGBH003	1002	0	1	0	18.9	-1.3
RUGBH004	1002	0	0.3	0	20.6	0.83
RUGBH005	1001	0	0.1	0	20.6	-0.14
RUGBH006	1001	0	1.3	0	19.9	0.35
RUGBH007	1000	0	0.3	0	20.5	0.05
RUGBH008	1000	0	0.5	0	20.4	0.24
RUGBH009	1001	0	1.3	0	19.8	-0.09
RUGBH010	1001	0	1.4	0	20.1	-0.19
RUGBH02A	1002	0	0.2	0	20.7	-0.09
RUGP0001	1001	60.1	5.5	0	5	-0.64
RUGP0002	1002	0	4.8	0	14	-0.02
RUGP0003	1002	0	0.3	0	20	-0.1
RUGP0004	1002	0	3.4	0	17.3	-0.07
RUGP0008	1002	0	0.6	0	19.8	-0.07
RUGP0009	1002	0	3	0	18	0.47
RUGP0010	1002	0	2.1	0	20	-0.1
RUGP0011	1002	0	2	0	19.8	-0.03
RUGP0012	1002	0	0.2	0	20.8	1.09
RUGP0013	1002	0	0.7	0	20.2	-0.12
RUGP0014	1002	0	4.3	0	16.2	-0.14
RUGP0015	1001	0	0.5	0	20.3	-0.19
RUGP0016	1000	0	1.2	0	19.9	-0.69
RUGP0018	1001	0	0.1	0	20.6	0.05
RUGP0019	1000	0	0.1	0	20.6	-0.1
RUGP0020	1000	0	0.1	0	20.6	0.35
RUGP0021	1000	0	0.4	0	20.2	0.17
RUGP00A1	1002	0	0.1	0	20.5	-0.1

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Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

24/12/2014

	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)
RUGP00A2	1002	0	0.2	0	20.5	-0.02
RUGP00A3	1002	0	0.1	0	20.3	-6
RUGP00B1	1002	0	0.1	0	20.4	1.05
RUGP00B2	1002	0.5	0.4	0	18.8	0.31
RUGP00B3	1002	0	0.1	0	20.6	-0.21
RUGP00C1	1002	0	0.1	0	20.7	0.14
RUGP00C2	1001	0	0.1	0	19.3	0.09
RUGP00C3	1002	0	0.1	0	20.6	-3.94
RUGP00D1	1002	0	0.1	0	20.7	-0.1
RUGP00D2	1002	0	0.1	0	20.7	-0.66
RUGP00D3	1002	0	0.1	0	17.9	-3.18
RUGP00E1	1002	0	0.1	0	20.8	-0.05
RUGP00E2	1002	0	0.1	0	20.8	0.67
RUGP00E3	1002	0	0.1	0	20.7	0.1
RUGP00F1	1002	0	0.2	0	20.3	-0.1
RUGP00F2	1002	0	0.1	0	20	0.78
RUGP00F3	1002	0	0.1	0	20.8	0
RUWB001A	1002	0	0.4	0	19.5	0.1
RUWB001B	1002	0	0.2	0	20.9	-0.19
RUWB002A	1002	0	0.2	0	20.5	-0.22
RUWB002B	1002	0	1.6	0	20	-0.12
RUWB002C	1002	0	2	0	19.3	-0.03
RUWB002D	1002	0	0.2	0	20.9	-0.09
RUWB003A	1000	0	0.8	0	12.8	-20.84
RUWB003B	1000	0	0.1	0	20.5	-2.23
RUWB004A	1000	0	0.5	0	14.3	-0.57
RUWB004B	1000	0	0.8	0	16	0
RUWB005A	1002	0	0.1	0	20.6	-0.12
RUWB005B	1002	0	0.7	0	20.1	-0.05

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Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

31/12/2014

Sample Point	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)
RUBH0006	1014	0	1.7	0	15.5	1.28
RUBH0007	1014	5.2	3.6	0	7.6	0
RUBH0008	1014	0	1.4	0	19.8	-0.12
RUBH0009	1014	0	0.8	0	20	-0.05
RUBH0010	1013	0	0.5	0	20	-0.12
RUBH0013	1011	0	1.4	0	20	4.37
RUBH0014	1011	0	1.3	0	20.1	0.03
RUBH0015	1013	0	0.1	0	20.3	-0.03
RUBH0016	1012	0	0.4	0	20.1	-0.1
RUBH001A	1015	0	0.3	0	19.9	0.02
RUBH001B	1015	0	0.7	0	19.3	-0.05
RUBH002A	1015	2.7	4.7	0	5	-0.05
RUBH002B	1015	0	0.1	0	20.2	-0.02
RUBH003A	1015	0	0.6	0	20	2.92
RUBH003B	1015	0	0.2	0	20.6	-0.8
RUBH004A	1015	0	2.2	0	18.5	2.78
RUBH004B	1015	0	1.9	0	19.8	-0.07
RUBH011A	1012	0	1.8	0	19.4	-0.05
RUBH011P	1012	0	0.1	0	20.3	-0.26
RUBH012A	1012	0	1.1	0	20	-0.05
RUGBH001	1015	0	4.5	0	17	0.74
RUGBH002	1015	0	0.4	0	20.7	-0.12
RUGBH003	1015	0	1.1	0	19	0.02
RUGBH004	1014	0	0.2	0	20.4	0.12
RUGBH005	1015	0	0.2	0	20.3	-0.05
RUGBH006	1014	0	1.9	0	19.5	2.25
RUGBH007	1011	0	0.2	0	20.4	-0.1
RUGBH008	1011	0	0.5	0	20.3	-0.05
RUGBH009	1012	0	0.4	0	20.3	-0.21
RUGBH010	1012	0	1.4	0	20	-0.09
RUGBH02A	1015	0	0.2	0	20.7	-0.05
RUGP0001	1013	53.4	4.7	0	6.8	2.47
RUGP0002	1015	0	4.1	0	14	-0.12
RUGP0003	1015	0	0.3	0	19.5	10.28
RUGP0004	1015	0	3.4	0	15.5	-0.02
RUGP0008	1015	0	0.4	0	19.6	-0.09
RUGP0009	1015	0	4.4	0	12.4	-0.02
RUGP0010	1015	0	2.2	0	18.8	-0.22
RUGP0011	1015	0	1.7	0	19.7	0.78
RUGP0012	1015	0	0.3	0	20.4	-0.07
RUGP0013	1015	0	0.7	0	20	-0.05
RUGP0014	1015	0	3.9	0	17.9	-0.12
RUGP0015	1012	0	0.4	0	20.4	-0.16
RUGP0016	1012	0	1.3	0	19.7	-0.07
RUGP0018	1012	0	0.2	0	20.5	0.02
RUGP0019	1012	0	0.1	0	20.5	-0.02
RUGP0020	1011	0	0.1	0	20.5	0.19
RUGP0021	1011	0	0.2	0	20.4	-0.03
RUGP00A1	1014	0	0.1	0	20.2	-0.09

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Ruabon Perimeter Gas Borehole Data - December 2014

From : 02/12/2014
To : 31/12/2014

31/12/2014

	AtPress (mBar)	CH4 (%v/v) (%)	CO2 (%v/v) (%)	H2S (ppm)	O2 (%v/v)	Rel Press (mBar)
RUGP00A2	1015	0	0.1	0	20.2	0.6
RUGP00A3	1015	0	0.1	0	19.4	-0.57
RUGP00B1	1015	0	0.1	0	19.8	2.04
RUGP00B2	1014	0	0.3	0	19.1	0.1
RUGP00B3	1015	0	0.1	0	20.4	0.26
RUGP00C1	1014	0	0.1	0	20.3	0.05
RUGP00C2	1014	0	0.1	0	19.1	0.57
RUGP00C3	1015	0	0.1	0	20.4	-4.25
RUGP00D1	1015	0	0.1	0	20.3	-0.07
RUGP00D2	1015	0	0.1	0	20.5	-0.12
RUGP00D3	1015	0	0.1	0	17.8	6.48
RUGP00E1	1015	0	0.1	0	20.6	-0.83
RUGP00E2	1015	0	0.1	0	20.6	0
RUGP00E3	1014	0	0.1	0	20.5	-0.14
RUGP00F1	1015	0	0.1	0	20.5	-0.12
RUGP00F2	1014	0	0.1	0	20.1	0.76
RUGP00F3	1015	0	0.1	0	20.6	-0.14
RUWB001A	1015	0	0.3	0	18.6	-0.09
RUWB001B	1015	0	0.5	0	20.2	-0.14
RUWB002A	1015	0	0.2	0	20.2	-0.05
RUWB002B	1015	0	1.3	0	19.7	-0.07
RUWB002C	1015	0	3.8	0	17.6	-0.1
RUWB002D	1015	0	0.2	0	20.6	-0.02
RUWB003A	1011	0	0.8	0	12.5	-4.91
RUWB003B	1011	0	0.1	0	19.1	4.6
RUWB004A	1012	0	0.4	0	12.7	-6.38
RUWB004B	1011	0	0.6	0	17.2	-0.12
RUWB005A	1013	0	0.1	0	20.5	-0.03
RUWB005B	1013	0	0.6	0	20.2	0

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APPENDIX 3

Landfill Gas Field Extraction and Balancing Data

Ruabon Landfill Gas Extraction and Balancing Data - December 2014

Asset ID	Date/Time	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Vacuum (mbar)	Atm Press (mbar)	CO (ppm)	H2S (ppm)	Original Valve (%)	Depart Valve (%)
RUAW0001	05/12/2014 09:05	23.5	25.6	0.4	50.5	-1.98	1007	0	0	1	1
RUAW0002	05/12/2014 09:07	6.1	16.6	2.5	74.8	-2.25	1007	0	0	0	-
RUAMW001	05/12/2014 09:09	26.1	20.9	0.8	52.2	-2.36	1006	0	0	1	1
RUAW0003	05/12/2014 09:12	48.5	18.4	0	33.1	-1.89	1007	0	0	0	5
RUAW0003	05/12/2014 09:14	48.4	18.4	0	33.2	-2.33	1007	0	0	5	5
RUAW0053	05/12/2014 09:16	0.1	9	10.7	80.2	-2.84	1007	0	0	-	0
RUAMW002	05/12/2014 09:18	22.6	20	0.6	56.8	-4.32	1006	0	0	0	0
RUAW065R	05/12/2014 09:21	38.5	27.4	0	34.1	-6.73	1006	0	0	10	10
RUAW011R	05/12/2014 09:23	56	32.7	0	11.3	-5.62	1006	0	0	5	5
RUAW0005	05/12/2014 09:26	37	27.4	0	35.6	-15.8	1005	0	0	20	20
RUAW0061	05/12/2014 09:28	67	31.6	0	1.4	-5.32	1005	0	0	5	100
RUAW0061	05/12/2014 09:29	66.8	31.7	0	1.5	-6.79	1005	0	0	10	10
RUAMW006	05/12/2014 09:32	56.8	34.3	0	8.9	-8.6	1006	0	0	10	10
RUAMW09R	05/12/2014 09:34	61.4	31	1.9	5.7	-5.14	1005	0	0	5	10
RUAMW09R	05/12/2014 09:36	63	31.9	1.1	4	-5.23	1005	0	1	10	10
RUAW0060	05/12/2014 09:38	12.6	21.2	1.8	64.4	-1.46	1005	0	0	-	-
RUAW0048	05/12/2014 09:40	45.7	32.8	3.3	18.2	-38.57	1005	0	0	5	5
RUAW050R	05/12/2014 09:42	18.8	24.2	1	56	-1.9	1005	0	0	5	0
RUAW050R	05/12/2014 09:43	18.6	24.4	0	57	-1.66	1005	0	0	-	-
RUAW0067	05/12/2014 09:45	47.8	32.1	0.4	19.7	-3.81	1005	0	0	5	5
RUAW057R	05/12/2014 09:47	50.9	35.4	0	13.7	-23.86	1005	0	0	30	30
RUAW0051	05/12/2014 09:49	65.4	36.1	0.3	0	-17.42	1005	0	0	10	10
RUAW031R	05/12/2014 09:52	53	36.4	0	10.6	-12.42	1006	0	0	20	-
RUAW032R	05/12/2014 09:55	59.4	37.9	0	2.7	-29.61	1006	0	0	10	20
RUAW032R	05/12/2014 09:56	58.3	37.7	0	4	-36.42	1006	0	0	20	20
RUAW034R	05/12/2014 09:59	53.7	34.5	0	11.8	-12.42	1006	0	0	5	10
RUAW034R	05/12/2014 10:01	53.7	34.5	0	11.8	-28.53	1006	0	0	10	10

Asset ID	Date/Time	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Vacuum (mbar)	Atm Press (mbar)	CO (ppm)	H2S (ppm)	Original Valve (%)	Depart Valve (%)
RUAW0036	05/12/2014 10:03	54.4	33.2	0.4	12	-38.33	1006	0	0	5	10
RUAW0036	05/12/2014 10:04	54.5	33.3	0.1	12.1	-40.69	1006	0	0	10	10
RUAW0059	05/12/2014 10:07	35.9	19.8	8.2	36.1	-0.34	1006	0	0	-	-
RUAMW003	05/12/2014 10:12	58.7	25.5	0.6	15.2	-3.37	1006	0	0	1	1
RUAW0054	05/12/2014 11:20	0	8.2	10.6	81.2	-2.01	1008	0	0	0	0
RUAW0004	05/12/2014 11:22	35.6	22.4	0.4	41.6	-3.59	1008	0	0	-	-
RUAMW005	05/12/2014 11:25	50.1	26.1	0	23.8	-2.43	1007	0	0	5	5
RUAW0052	05/12/2014 11:29	39.3	16.5	7.8	36.4	-43.57	1007	0	0	-	-
RUAW0035	05/12/2014 11:31	46.3	31.7	0.1	21.9	2.62	1007	0	0	0	5
RUAW0035	05/12/2014 11:33	45.8	31.8	0	22.4	-7.39	1007	0	0	5	5
RUARW042	05/12/2014 11:35	69.7	30.4	0	0	-15.35	1008	0	0	5	5
RUARW041	05/12/2014 11:37	22.5	11.6	11.9	54	-0.63	1008	0	0	1	1
RUARW040	05/12/2014 11:41	69.1	29	0.5	1.4	-38.82	1008	0	0	1	1
RUARW039	05/12/2014 11:43	71.8	29	0.1	0	-41.79	1008	0	0	1	1
RUARW038	05/12/2014 11:45	69.7	30.7	0	0	-43.51	1008	0	0	100	100
RUARW037	05/12/2014 11:47	68.3	32.4	0	0	-35.02	1008	0	0	100	100
RUAW030R	05/12/2014 11:51	72.6	28.3	0	0	-43.3	1007	0	0	70	70
RUAW033R	05/12/2014 11:55	67.7	33	0	0	-43.36	1007	0	0	100	100
RUAW0055	11/12/2014 12:00	12.4	21.3	2	64.3	-1.08	993	0	0	1	1
RUAW0008	11/12/2014 12:01	1	13.6	5.8	79.6	-1.2	993	0	0	0	0
RUAW0063	11/12/2014 12:03	0.2	15.8	6.3	77.7	-2.11	993	0	0	0	0
RUAW0007	11/12/2014 12:05	22.1	21.4	2.4	54.1	-3.49	993	0	0	0	0
RUAW0062	11/12/2014 12:07	2.3	8.7	12	77	-4.09	992	0	0	0	0
RUAMW07R	11/12/2014 12:09	33.1	28.1	0.5	38.3	-6.26	992	0	0	5	5
RUAMW004	11/12/2014 12:11	18.4	23.5	0.4	57.7	-4.24	993	0	0	-	-
RUAW0044	11/12/2014 12:19	38	26.3	3.1	32.6	-9.85	993	0	0	5	5
RUAW0043	11/12/2014 12:20	41	26.2	0.9	31.9	-36.12	993	0	0	5	5
RUAW0013	11/12/2014 12:22	28	21.1	4.7	46.2	-21.25	993	0	0	5	0
RUAW0013	11/12/2014 12:23	27.9	21.4	4.4	46.3	-10.69	993	0	0	0	0

Asset ID	Date/Time	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Vacuum (mbar)	Atm Press (mbar)	CO (ppm)	H2S (ppm)	Original Valve (%)	Depart Valve (%)
RUAW0014	11/12/2014 12:25	22.7	23.6	0.6	53.1	-26.98	993	0	0	5	0
RUAW0014	11/12/2014 12:26	22.7	24	0	53.3	-41.29	993	0	0	-	-
RUAW0015	11/12/2014 12:28	24.4	20.2	6.2	49.2	-26.17	992	0	0	20	5
RUAW0015	11/12/2014 12:30	24.2	20.2	6.1	49.5	-2.41	992	0	0	0	0
RUAW0045	11/12/2014 12:32	9.1	19.2	2.1	69.6	-37.35	992	0	0	20	-
RUAW0045	11/12/2014 12:33	9.2	19.6	1.2	70	-7.22	992	0	0	-	0
RUAMW08R	11/12/2014 12:35	27.8	24.9	0.8	46.5	-5.03	992	0	0	1	1
RUAW0046	11/12/2014 12:37	21.2	24.3	1.2	53.3	-5.22	992	0	0	5	0
RUAW0046	11/12/2014 12:38	21	24.6	0	54.4	-4.7	992	0	0	0	0
RUAW0016	11/12/2014 12:41	1.1	2.5	18.4	78	-0.28	992	0	0	-	-
RUAW0017	11/12/2014 12:43	17.3	23.6	0.6	58.5	-5.18	991	0	0	10	0
RUAW0017	11/12/2014 12:44	18.3	24.6	0	57.1	-4.8	991	0	0	-	-
RUAW0064	11/12/2014 12:46	30.2	28.1	0.4	41.3	-4.34	991	0	0	5	5
RUAW0047	11/12/2014 12:48	50.4	25.4	3.8	20.4	8.77	991	0	0	-	1
RUAW0047	11/12/2014 12:50	50.3	25.4	3.8	20.5	-31.32	991	0	0	1	1
RUAW0018	11/12/2014 12:52	71	27	0.9	1.1	-4.81	991	0	0	10	10
RUAW0019	11/12/2014 12:54	35.4	29.8	0	34.8	-5.62	991	0	0	10	10
RUAW0020	11/12/2014 12:57	21.4	25.5	0.9	52.2	-2.97	991	0	0	0	0
RUAW0021	11/12/2014 13:00	50.4	34.5	0	15.1	-6.98	991	0	0	20	20
RUAW0068	11/12/2014 13:02	61.9	36.3	0.8	1	-22.52	991	0	0	5	5
RUAW0049	11/12/2014 13:04	0.9	2.3	19.9	76.9	-27.18	991	0	0	0	0
RUAW029R	11/12/2014 13:06	45.9	34.5	0.8	18.8	-13.63	991	0	0	10	10
RUAW0022	11/12/2014 13:08	55.4	36.8	0.3	7.5	-9.06	991	0	0	20	20
RUAW0066	11/12/2014 13:10	26.7	26.6	0.2	46.5	-8.68	991	0	0	0	0
RUAW0023	11/12/2014 13:12	62.5	36.5	0.3	0.7	-25.13	991	0	1	30	30
RUAW0028	11/12/2014 13:14	31.1	35.8	4.2	28.9	-16.19	992	0	0	0	0
RUAW056R	11/12/2014 13:16	31.1	24.7	7.4	36.8	-8.82	992	0	0	10	0
RUAW056R	11/12/2014 13:17	31.3	24.8	7.3	36.6	-9.72	992	0	0	0	0
RUAW0027	11/12/2014 13:19	72.7	25.6	0.4	1.3	19.36	992	0	0	0	5

Asset ID	Date/Time	CH4 (%)	CO2 (%)	O2 (%)	Balance Gas (%)	Vacuum (mbar)	Atm Press (mbar)	CO (ppm)	H2S (ppm)	Original Valve (%)	Depart Valve (%)
RUAW0027	11/12/2014 13:20	72.1	25.8	0	2.1	-29.08	992	0	0	5	5
RUAW0024	11/12/2014 13:22	63.1	36.4	0.4	0.1	4.1	992	0	0	0	5
RUAW0024	11/12/2014 13:24	62.6	36.5	0.1	0.8	-32.77	992	0	0	10	10
RUAW025R	11/12/2014 13:27	62.6	36	0	1.4	-29.73	992	0	0	70	70
RUAW026R	11/12/2014 13:28	65.5	35.5	0.4	0	-27.05	993	0	0	15	15
RUAW0012	11/12/2014 13:45	26.2	26.4	7.4	40	-11.72	993	0	0	1	1
RUAW033R	31/12/2014 12:23	67.4	29.6	0.8	2.2	-28.66	1014	0	0	100	100
RUAW034R	31/12/2014 12:26	50	32.3	0.3	17.4	-26.14	1013	0	0	10	15
RUAW034R	31/12/2014 12:27	50.3	32.7	0.1	16.9	-27.27	1013	0	0	15	15
RUAW031R	31/12/2014 12:30	49.4	34.7	0	15.9	-17.74	1013	0	5	5	10
RUAW031R	31/12/2014 12:32	48.4	34.4	0	17.2	-26.32	1013	0	4	10	10
RUAW032R	31/12/2014 12:34	58.1	36.9	0	5	-36.46	1013	0	1	10	15
RUAW032R	31/12/2014 12:36	57.9	37.1	0	5	-38.09	1013	0	1	15	15
RUAW030R	31/12/2014 12:39	58.1	36.4	0.4	5.1	-6.19	1013	0	2	5	10
RUAW030R	31/12/2014 12:41	57.7	35.4	0.6	6.3	-21.62	1013	0	1	10	10
RUAW026R	31/12/2014 12:53	65.3	35	0	0	-31.77	1013	0	1	15	20
RUAW026R	31/12/2014 12:54	65.2	35.1	0	0	-31.81	1013	1	1	20	20
RUAW056R	31/12/2014 13:01	58	40.3	0.2	1.5	-5.75	1012	0	0	5	10
RUAW056R	31/12/2014 13:02	56.6	39.6	0.4	3.4	-8.1	1012	0	0	20	20

APPENDIX 4

Leachate Level Data

Ruabon Leachate Level Data - December 2014

From : 23/12/2014
To : 23/12/2014

23/12/2014

Sample Point	Depth of Liq (m)	Dip to Water (m)	TD (m)	Water Level (mAOD)
LMP006R	1.70	18.22	19.03	113.10
LMP007R	1.04	17.75	18.98	111.84
LMP008R	1.51	20.96	21.94	111.51
LMP009R	1.74	21.24	21.6	112.04
RUGW00M1	0.99	13.18	14.62	111.44
RUGW00M3	1.71	11.18	11.84	113.96
RUGW00M5	0.89	20.43	21.07	111.39
RUGW0M10	1.86	26.75	27.59	97.86
RUGWM4r	0.94	16.89	17.55	111.02
RULMP2r	1.18	15.03	15.93	111.18

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APPENDIX 5

Groundwater Quality Data

Ruabon Groundwater Quality & Level Data - December 2014

From : 02/12/2014
To : 02/12/2014

02/12/2014

Sample Point	Alk (CaCO3:mg/l)	Amm-N (N:mg/l)	BOD (mg/l)	Ca(D) (mg/l)	Cd(D) (mg/l)	Chloride (mg/l)	COD (mg/l)	Cond (uS / cm)	Cond(Fld) (uS / cm)	Cr(D) (mg/l)
RUBH0013	315	0.5	<2.0	115	<0.0001	10	5	647	720	0.001
RUWB002A	324	2.2	8.7	135	<0.0001	373	<5	1650	1870	0.002
RUWB002B	324	2.2	<2.9	84	<0.0001	175	12	1020	1230	0.002
RUWB002C	978	4.6	<2.0	180	<0.0001	360	22	2350	2740	0.003
RUWB002D	372	0.7	<2.0	11	<0.0001	27	<5	778	880	0.001
RUWB003A	369	1.4	12.8	8	<0.0001	22	51	666	730	0.002
RUWB004A	542	0.5	4.2	3	<0.0001	21	7	958	1060	0.002
RUWB005A	354	0.5	5.8	1	<0.0001	38	9	1060	1170	0.002
RUWB005B	163	1.2	<2.0	77	<0.0001	121	12	650	750	0.001

Sample Point	Cu(D) (mg/l)	Dip to Water (m)	Fe(D) (mg/l)	K(D) (mg/l)	Mg(D) (mg/l)	Mn(D) (mg/l)	Ni(D) (mg/l)	Pb(D) (mg/l)	pH (Lab)	pH(Fld)
RUBH0013	0.001	1.04	0.12	4	10	0.455	0.002	<0.001	8.5	7.17
RUWB002A	<0.001	5.39	0.13	23	46	0.379	0.006	<0.001	7.9	7.41
RUWB002B	<0.001	6	0.12	9	16	0.181	0.015	<0.001	8.3	7.52
RUWB002C	<0.001	6.23	0.16	11	18	2.734	0.036	<0.001	7.7	6.85
RUWB002D	<0.001	6.03	0.03	6	3	0.048	<0.001	<0.001	8.4	7.94
RUWB003A	<0.001	8.83	0.02	12	14	0.097	<0.001	<0.001	7.9	7.73
RUWB004A	<0.001	3.11	0.28	6	<1	0.004	0.001	<0.001	9.5	9.44
RUWB005A	<0.001	2.9	0.21	3	<1	0.002	<0.001	<0.001	10	10.04
RUWB005B	<0.001	6.03	0.1	15	12	0.166	0.002	<0.001	8.1	8.1

Sample Point	Na(D) (mg/l)	S.Solids (mg/l)	TD (m)	TOC (mg/l)	TON (mg/l)	Total S(D) SO4:mg/l	WtrTemp (Deg C)	Zn(D) (mg/l)
RUBH0013	33	361	34.63	3.1	<0.2	63	9.2	0.003
RUWB002A	135	506	21.36	2.4	<0.2	28	9.7	<0.002
RUWB002B	130	79	10.45	3.6	<0.2	<3	10	0.002
RUWB002C	435	1274	8.01	6.5	<0.2	37	10.3	0.003
RUWB002D	185	34	21.66	1.6	<0.2	38	9.5	0.003
RUWB003A	140	198	10.69	3.5	<0.2	<3	9.7	0.003
RUWB004A	265	45	48.83	1.9	<0.2	5	9.4	0.002
RUWB005A	275	53	25.37	0.52	<0.2	270	9.3	0.002
RUWB005B	35	33	8.38	2.1	<0.2	8	9	<0.002

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APPENDIX 6

Surface Water Quality Data

Ruabon Surface Water Quality Data - December 2014

From : 02/12/2014
To : 02/12/2014

02/12/2014

Sample Point	Amm-N (N:mg/l)	BOD (mg/l)	Chloride (mg/l)	COD (mg/l)	Cond (uS / cm)	Cond(Fld) (uS / cm)	DO(Lab) (mg/l)
RUWP004A	4.1	<2.9	45	30	703	820	9

Sample Point	pH (Lab)	pH(Fld)	S.Solids (mg/l)	WtrTemp (Deg C)
RUWP004A	7.7	7.39	13	6.3

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