

APPENDIX A

Site Plan

 TRIAL PIT LOCATIONS
(EXCAL LIMITED)

 GROUNDWATER AND
LANDFILL GAS
MONITORING
BOREHOLE (EXCAL
LIMITED)

 LANDFILL BOUNDARY

 SURFACE WATER
MONITORING LOCATIONS
(EXCAL LIMITED)

 TRIAL PIT LOCATIONS
(MOTT MACDONALD)

 LANDFILL GAS
MONITORING
BOREHOLE (MOTT
MACDONALD)

Job:
Carmarthenshire County Council
Site Investigation, Trostre Landfill

Title:
Monitoring Locations:
EXCAL and Mott MacDonald

Date: October 2011

Scale: 1:1250

Drawn by: RH / SA

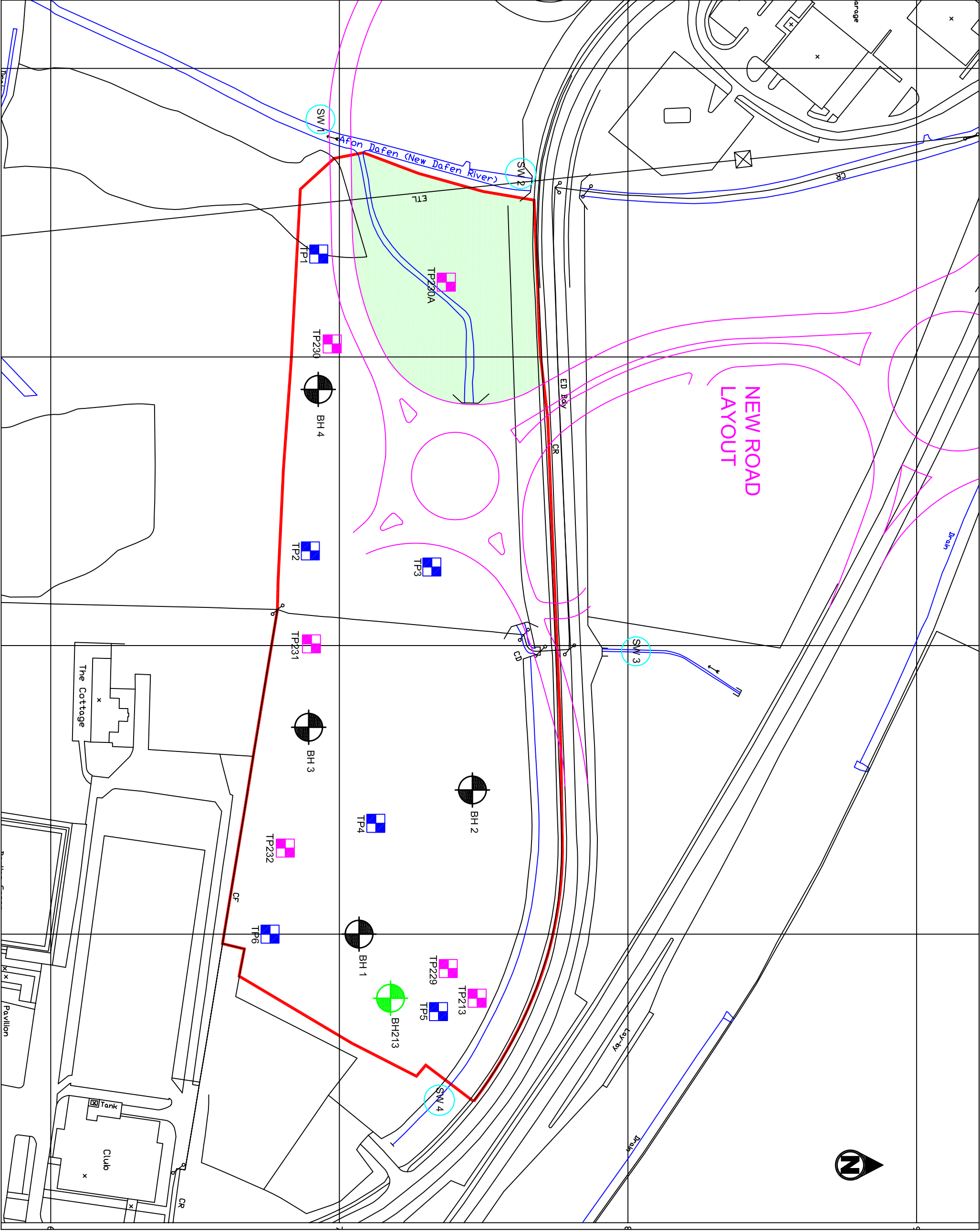
Checked by: CW

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Drawing No: 44-05-02.D02

Revision No: **Date:**



APPENDIX B
Chemical Testing Results

EXCAL LIMITED
SITE INVESTIGATION AND MONITORING DATA
AUGUST 2010 – AUGUST 2011

LABORATORY TEST REPORT

Report Date
17 August 2010

Results of analysis of 13 samples
received 09 August 2010

FAO Robert Holmes

Trostre landfill site - Llanelli

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

					113279							
SOP↓	Determinand↓	CAS No↓	Units↓	*	AF19697	AF19698	AF19699	AF19700	AF19702	AF19703	AF19704	AF19705
					TL-01-02	TL-01-04	TL-02-02	TL-02-04	TL-03-01	TL-03-03	TL-04-02	TL-04-03
					5/8/2010	5/8/2010	5/8/2010	5/8/2010	5/8/2010	5/8/2010	5/8/2010	5/8/2010
					1.5m	3.5m	1.5m	3.5m	0.5m	2.5m	1.5m	2.5m
					SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
2300	Cyanide (total)	57125	mg kg ⁻¹	M	6.1	0.70	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2325	Sulfide	18496258	mg kg ⁻¹	M	6.6	12	4.2	9.8	11	9.7	10	14
2625	Organic matter		%	M	21	14	11	16	24	14	10	13
2120	Boron (hot water soluble)	7440428	mg kg ⁻¹	M	2.5	4.7	0.8	0.9	0.9	1.5	0.7	1.2
	Sulfate (2:1 water soluble) as SO ₄	14808798	g l ⁻¹	M	0.37	0.20	0.06	0.10	0.22	0.83	0.59	0.22
2430	Sulfate (total) by BS1377 (HCl extract)	14808798	%	N	0.11	0.03	0.04	0.05	0.09	0.21	0.14	0.09
2450	Arsenic	7440382	mg kg ⁻¹	M	31	28	24	17	34	35	24	30
	Barium	7440393	mg kg ⁻¹	M	190	260	140	120	440	300	250	210
	Beryllium	7440417	mg kg ⁻¹	U	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	Cadmium	7440439	mg kg ⁻¹	M	0.22	1.8	0.19	0.20	0.54	0.30	0.14	0.57
	Chromium	7440473	mg kg ⁻¹	M	14	41	19	18	30	22	15	27
	Copper	7440508	mg kg ⁻¹	M	84	110	75	58	180	190	99	84
	Mercury	7439976	mg kg ⁻¹	M	0.34	0.41	0.16	0.13	0.61	0.75	0.40	0.23
	Nickel	7440020	mg kg ⁻¹	M	25	33	28	21	42	26	18	31
	Lead	7439921	mg kg ⁻¹	M	200	180	98	90	340	1200	140	170
	Selenium	7782492	mg kg ⁻¹	M	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
	Vanadium	7440622	mg kg ⁻¹	M	18	41	19	15	28	26	14	28
	Zinc	7440666	mg kg ⁻¹	M	140	250	140	120	290	270	180	320
2670	Total Petroleum Hydrocarbons		mg kg ⁻¹	M	290	430	200	190	210	170	270	130
2010	pH		-	M	8.3	8.2	8.1	8.2	8.0	9.4	7.8	8.0
2030	Moisture		%	n/a	10.4	16.4	15.5	20.2	12.7	12.2	10.5	17.1
	Stones content (>50mm)		%	n/a	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2140	Soil colour			n/a	brown	brown	brown	brown	brown	brown	brown	brown
	Soil texture			n/a	sand	sand	clay	sand	sand	sand	sand	sand
	Other material			n/a	stones	stones	stones	stones	stones	stones	stones	stones
2186	Asbestos Containing Material		-	U	not found		not found		not found		not found	

LABORATORY TEST REPORT

Report Date
17 August 2010

FAO Robert Holmes

Results of analysis of 13 samples
received 09 August 2010

Trostre landfill site - Llanelli

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

					113279			
					AF19706	AF19707	AF19708	AF19709
					TL-05-02	TL-05-03	TL-06-01	TL-06-04
					5/8/2010	5/8/2010	5/8/2010	5/8/2010
					1.5m	2.5m	0.5m	3.5m
					SOIL	SOIL	SOIL	SOIL
SOP↓	Determinand↓	CAS No↓	Units↓					
2300	Cyanide (total)	57125	mg kg ⁻¹	M	<0.50	<0.50	<0.50	<0.50
2325	Sulfide	18496258	mg kg ⁻¹	M	9.6	4.9	7.6	3.4
2625	Organic matter		%	M	8.8	1.6	8.1	9.5
2120	Boron (hot water soluble)	7440428	mg kg ⁻¹	M	1.2	0.6	0.5	0.7
	Sulfate (2:1 water soluble) as SO ₄	14808798	g l ⁻¹	M	0.40	<0.01	0.09	0.02
2430	Sulfate (total) by BS1377 (HCl extract)	14808798	%	N	0.12	0.02	0.07	0.07
2450	Arsenic	7440382	mg kg ⁻¹	M	23	10	10	34
	Barium	7440393	mg kg ⁻¹	M	140	40	110	81
	Beryllium	7440417	mg kg ⁻¹	U	<1.00	<1.00	<1.00	<1.00
	Cadmium	7440439	mg kg ⁻¹	M	0.30	<0.10	0.25	0.37
	Chromium	7440473	mg kg ⁻¹	M	45	21	13	22
	Copper	7440508	mg kg ⁻¹	M	38	17	40	60
	Mercury	7439976	mg kg ⁻¹	M	0.19	<0.10	0.10	<0.10
	Nickel	7440020	mg kg ⁻¹	M	17	20	18	11
	Lead	7439921	mg kg ⁻¹	M	79	17	56	70
	Selenium	7782492	mg kg ⁻¹	M	<0.20	0.36	<0.20	<0.20
	Vanadium	7440622	mg kg ⁻¹	M	52	21	9.2	29
	Zinc	7440666	mg kg ⁻¹	M	120	37	110	80
2670	Total Petroleum Hydrocarbons		mg kg ⁻¹	M	590	< 10	73	< 10
2010	pH		-	M	8.2	6.8	7.8	6.8
2030	Moisture		%	n/a	16.3	19.1	14.1	23.4
	Stones content (>50mm)		%	n/a	<0.02	<0.02	<0.02	<0.02
2140	Soil colour			n/a	brown	brown	brown	brown
	Soil texture			n/a	sand	clay	clay	clay
	Other material			n/a	stones	stones	stones	stones
2186	Asbestos Containing Material		-	U	not found		not found	

All tests undertaken between 09-Aug-2010 and 17-Aug-2010

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 2

Report page 1 of 2

Report sample ID range AF19697 to AF19709

LABORATORY TEST REPORT

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	
1010	pH	PH	-	U	7.1
1300	Cyanide (total)	57125	mg l ⁻¹	U	< 0.05
1325	Sulfide	18496258	mg l ⁻¹	U	<0.050
1610	Total Organic Carbon	TOC	mg l ⁻¹	N	34
1220	Sulfate	14808798	mg l ⁻¹	U	12
1450	Arsenic	7440382	µg l ⁻¹	U	1.5
	Boron	7440428	µg l ⁻¹	U	260
	Barium	7440393	µg l ⁻¹	U	180
	Beryllium	7440417	µg l ⁻¹	U	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080
	Chromium (total)	7440473	µg l ⁻¹	U	<1.0
	Copper	7440508	µg l ⁻¹	U	<1.0
	Mercury	7439976	µg l ⁻¹	U	<0.50
	Nickel	7440020	µg l ⁻¹	U	<1.0
	Lead	7439921	µg l ⁻¹	U	<1.0
	Selenium	7782492	µg l ⁻¹	U	<1.0
	Vanadium	7440622	µg l ⁻¹	U	<1.0
	Zinc	7440666	µg l ⁻¹	U	46
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10

113279

AF19701

TL-02-05

5/8/2010

3.5m

WATER

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 8 September 2010

Report Date
16 September 2010

FAO Tex Roberts

Trostre B

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	120803		
					AF27603	AF27604	AF27605
					SW	SW	SW
					1	2	3
					WATER	WATER	WATER
1010	pH	PH	-	U	7.1	7.3	7.2
1300	Cyanide (total)	57125	mg l ⁻¹	U	< 0.05	< 0.05	< 0.05
1325	Sulfide	18496258	mg l ⁻¹	U	<0.050	<0.050	<0.050
1610	Total Organic Carbon	TOC	mg l ⁻¹	N	3.8	3.7	6.4
1220	Sulfate	14808798	mg l ⁻¹	U	43	41	81
1450	Arsenic	7440382	µg l ⁻¹	U	<1.0	<1.0	1.5
	Barium	7440393	µg l ⁻¹	U	44	36	99
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Boron	7440428	µg l ⁻¹	U	42	40	180
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080
	Chromium (total)	7440473	µg l ⁻¹	U	3.6	3.4	5.3
	Copper	7440508	µg l ⁻¹	U	2.8	1.5	1.5
	Lead	7439921	µg l ⁻¹	U	2.0	<1.0	<1.0
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50
	Nickel	7440020	µg l ⁻¹	U	3.8	4.3	6.6
	Selenium	7782492	µg l ⁻¹	U	<1.0	1.1	1.3
	Vanadium	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Zinc	7440666	µg l ⁻¹	U	13	11	31
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Acenaphthylene	208968	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Acenaphthene	83329	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Fluorene	86737	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Phenanthrene	85018	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1

All tests undertaken between 09/09/2010 and 16/09/2010

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 2

LIMS sample ID range AF27603 to AF27605

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 8 September 2010

Trostre B

Report Date
16 September 2010

					120803		
					AF27603	AF27604	AF27605
					SW	SW	SW
					1	2	3
					WATER	WATER	WATER
1700	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1
1810	PCBs as Aroclor 1242	53469219	µg l ⁻¹	N	<1	<1	<1
1920	Catechols		mg l ⁻¹	N	< 0.005	< 0.005	< 0.005
	Phenol	108952	mg l ⁻¹	N	< 0.005	< 0.005	< 0.005
	Cresols		mg l ⁻¹	N	< 0.005	< 0.005	< 0.005
	Xylenols		mg l ⁻¹	N	< 0.005	< 0.005	< 0.005
	Naphthols		mg l ⁻¹	N	< 0.005	< 0.005	< 0.005
	Trimethyl phenols		mg l ⁻¹	N	< 0.005	< 0.005	< 0.005
	Phenols (total)		mg l ⁻¹	N	< 0.03	< 0.03	< 0.03

LABORATORY TEST REPORT

Results of analysis of 7 samples
received 10 September 2010

Report Date
20 September 2010

Trostre landfill site - Llanelli

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

*

					103171					
					AF28278	AF28279	AF28280	AF28281	AF28282	AF28283
					TL-01-02	TL-02-02	TL-03-01	TL-03-03	TL-04-03	TL-05-02
					1.5m	1.5m	0.5m	2.5m	2.5m	1.5m
					LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE	LEACHATE
1010	pH	PH	-	U	8.4	8.4	8.2	10.7	8.4	7.9
1300	Cyanide (total)	57125	mg l ⁻¹	U	0.11	< 0.05	< 0.05	0.05	< 0.05	< 0.05
1450	Arsenic	7440382	µg l ⁻¹	U	5.7	<1.0	3.9	7.7	1.1	5.6
	Barium	7440393	µg l ⁻¹	U	32	16	82	23	50	50
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080	<0.080	<0.080	<0.080
	Chromium (total)	7440473	µg l ⁻¹	U	2.2	3.7	2.6	3.4	2.9	5.1
	Copper	7440508	µg l ⁻¹	U	4.0	3.2	8.0	43	2.3	3.8
	Lead	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0	12	1.4	<1.0
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
	Nickel	7440020	µg l ⁻¹	U	2.4	11	2.5	3.4	2.1	3.5
	Selenium	7782492	µg l ⁻¹	U	3.2	<1.0	1.9	2.3	<1.0	1.4
	Vanadium	7440622	µg l ⁻¹	U	2.2	<1.0	2.8	12	<1.0	12
	Zinc	7440666	µg l ⁻¹	U	<1.0	<1.0	<1.0	1.9	3.4	3.3

LABORATORY TEST REPORT

Results of analysis of 7 samples
received 10 September 2010

Trostre landfill site - Llanelli

Report Date
20 September 2010

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

103171

AF28284

TL-06-04

3.5m

LEACHATE

1010	pH	PH	-	U	7.7
1300	Cyanide (total)	57125	mg l ⁻¹	U	< 0.05
1450	Arsenic	7440382	µg l ⁻¹	U	1.1
	Barium	7440393	µg l ⁻¹	U	<5.0
	Beryllium	7440417	µg l ⁻¹	U	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080
	Chromium (total)	7440473	µg l ⁻¹	U	3.4
	Copper	7440508	µg l ⁻¹	U	<1.0
	Lead	7439921	µg l ⁻¹	U	<1.0
	Mercury	7439976	µg l ⁻¹	U	<0.50
	Nickel	7440020	µg l ⁻¹	U	2.0
	Selenium	7782492	µg l ⁻¹	U	<1.0
	Vanadium	7440622	µg l ⁻¹	U	<1.0
	Zinc	7440666	µg l ⁻¹	U	<1.0

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 4 October 2010

Report Date
12 October 2010

Trostre Landfill

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Depth

Matrix

					120964			
SOP↓	Determinand↓	CAS No↓	Units↓	*	AF34650	AF34651	AF34652	AF34653
1010	pH	PH	-	U	SW	SW	SW	BH
1300	Cyanide (total)	57125	mg l ⁻¹	U	1	2	3	3
1325	Sulfide	18496258	mg l ⁻¹	U				
1610	Total Organic Carbon	TOC	mg l ⁻¹	N	WATER	WATER	WATER	WATER
1220	Sulfate	14808798	mg l ⁻¹	U				
1450	Arsenic	7440382	µg l ⁻¹	U	7.5	7.4	7.5	7.0
	Boron	7440428	µg l ⁻¹	U	< 0.05	< 0.05	< 0.05	< 0.05
	Barium	7440393	µg l ⁻¹	U	<0.050	<0.050	<0.050	<0.050
	Beryllium	7440417	µg l ⁻¹	U	10	9.5	< 2.5	14
	Cadmium	7440439	µg l ⁻¹	U	10	9.7	17	440
	Chromium (total)	7440473	µg l ⁻¹	U	2.9	2.1	1.2	4.6
	Copper	7440508	µg l ⁻¹	U	59	32	32	180
	Mercury	7439976	µg l ⁻¹	U	14	12	15	100
	Nickel	7440020	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	0.16	<0.080	<0.080	<0.080
	Selenium	7782492	µg l ⁻¹	U	1.3	<1.0	<1.0	1.8
	Vanadium	7440622	µg l ⁻¹	U	4.9	4.4	3.7	<1.0
	Zinc	7440666	µg l ⁻¹	U	2.3	0.99	1.1	1.3
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	2.7	2.2	2.2	6.0
1700	Naphthalene	91203	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Acenaphthylene	208968	µg l ⁻¹	U	4.2	1.5	1.0	3.3
	Acenaphthene	83329	µg l ⁻¹	U	<1.0	<1.0	1.0	<1.0
	Fluorene	86737	µg l ⁻¹	U	<1.0	<1.0	1.0	<1.0
	Phenanthrene	85018	µg l ⁻¹	U	24	7.2	31	17
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1

All tests undertaken between 05/10/2010 and 12/10/2010

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 2

LIMS sample ID range AF34650 to AF34653

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 4 October 2010

Report Date
12 October 2010

Trostre Landfill

					120964			
					AF34650	AF34651	AF34652	AF34653
					SW	SW	SW	BH
					1	2	3	3
					WATER	WATER	WATER	WATER
1700	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Total (of 16) PAHs		µg l ⁻¹		<2	<2	<2	<2
1810	PCBs as Aroclor 1242	53469219	µg l ⁻¹	N	<1	<1	<1	<1
1920	Catechols		mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
	Phenol	108952	mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
	Cresols		mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
	Xylenols		mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
	Naphthols		mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
	Trimethyl phenols		mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
	Phenols (total)		mg l ⁻¹	N	< 0.03	<0.03	<0.03	<0.03

LABORATORY TEST REPORT

Report Date
06 December 2010

FAO Rob Holmes

Results of analysis of 4 samples
received 10 November 2010

Trostre B - EC1405

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

*

114636

AF46925

AF46926

AF46927

AF46928

SW1

SW2

SW3

BH3

1

2

3

3

08/11/2010

08/11/2010

08/11/2010

08/11/2010

WATER

WATER

WATER

WATER

1010	pH	PH	-	U	7.0	6.9	6.6	6.6
1300	Cyanide (total)	57125	mg l ⁻¹	U	< 0.05	< 0.05	< 0.05	< 0.05
1325	Sulfide	18496258	mg l ⁻¹	U	<0.050	<0.050	<0.050	<0.050
1610	Total Organic Carbon	TOC	mg l ⁻¹	N	8.1	6.2	6.4	9.2
1220	Sulfate	14808798	mg l ⁻¹	U	28	28	45	340
1450	Arsenic	7440382	µg l ⁻¹	U	1.9	1.4	<1.0	3.8
	Boron	7440428	µg l ⁻¹	U	40	39	74	150
	Barium	7440393	µg l ⁻¹	U	25	25	43	76
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080	<0.080
	Chromium (total)	7440473	µg l ⁻¹	U	4.4	6.1	4.9	8.4
	Copper	7440508	µg l ⁻¹	U	2.1	2.6	1.4	<1.0
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50	<0.50
	Nickel	7440020	µg l ⁻¹	U	4.2	6.6	4.7	8.1
	Lead	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Selenium	7782492	µg l ⁻¹	U	4.3	2.3	1.8	2.6
	Vanadium	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Zinc	7440666	µg l ⁻¹	U	17	28	62	21
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	32

LABORATORY TEST REPORT

Report Date
06 December 2010

FAO Rob Holmes

Results of analysis of 4 samples
received 10 November 2010

Trostre B - EC1405

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

*

114636

AF46925

AF46926

AF46927

AF46928

SW1

SW2

SW3

BH3

1

2

3

3

08/11/2010

08/11/2010

08/11/2010

08/11/2010

WATER

WATER

WATER

WATER

1010	pH	PH	-	U	7.0	6.9	6.6	6.6
1300	Cyanide (total)	57125	mg l ⁻¹	U	< 0.05	< 0.05	< 0.05	< 0.05
1325	Sulfide	18496258	mg l ⁻¹	U	<0.050	<0.050	<0.050	<0.050
1610	Total Organic Carbon	TOC	mg l ⁻¹	N	8.1	6.2	6.4	9.2
1220	Sulfate	14808798	mg l ⁻¹	U	28	28	45	340
1450	Arsenic	7440382	µg l ⁻¹	U	1.9	1.4	<1.0	3.8
	Boron	7440428	µg l ⁻¹	U	40	39	74	150
	Barium	7440393	µg l ⁻¹	U	25	25	43	76
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080	<0.080
	Chromium (total)	7440473	µg l ⁻¹	U	4.4	6.1	4.9	8.4
	Copper	7440508	µg l ⁻¹	U	2.1	2.6	1.4	<1.0
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50	<0.50
	Nickel	7440020	µg l ⁻¹	U	4.2	6.6	4.7	8.1
	Lead	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Selenium	7782492	µg l ⁻¹	U	4.3	2.3	1.8	2.6
	Vanadium	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Zinc	7440666	µg l ⁻¹	U	17	28	62	21
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	32

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 7 December 2010

Report Date
22 December 2010

FAO Christine Gray

Trostre B - EC1420

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

					133021		
					AF55613	AF55614	AF55615
					SW1	SW2	SW3
					03/12/2010	03/12/2010	03/12/2010
					WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*			
1090	Biochemical Oxygen Demand	BOD	mg O ₂ l ⁻¹	N	<4	<4	<4
1100	Chemical Oxygen Demand	COD	mg O ₂ l ⁻¹	U	14	20	26
1220	Alkalinity	ALK	mg CaCO ₃ l ⁻¹	U	180	160	530
	Chloride	16887006	mg l ⁻¹	U	29	28	41
	Ammoniacal Nitrogen	AMM_NITROG	mg l ⁻¹	U	0.22	0.16	0.93
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.005	<0.005	<0.005
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	<20	100	<20
1220	Sulfate	14808798	mg l ⁻¹	U	51	46	71
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	<1.0	<1.0	1.2
	Arsenic	7440382	µg l ⁻¹	U	1.0	1.9	4.1
	Boron	7440428	µg l ⁻¹	U	97	200	540
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080
	Chromium (dissolved)	7440473	µg l ⁻¹	U	5.5	5.7	9.2
	Chromium (total)	7440473	µg l ⁻¹	U	16	22	72
	Copper (dissolved)	7440508	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Copper	7440508	µg l ⁻¹	U	2.3	3.4	6.6
	Mercury	7439976	µg l ⁻¹	U	<0.50	0.51	0.53
	Nickel (dissolved)	7440020	µg l ⁻¹	U	6.0	6.1	7.7
	Nickel	7440020	µg l ⁻¹	U	13	20	46
	Lead (dissolved)	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony (dissolved)	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony	7440364	µg l ⁻¹	U	2.4	2.9	8.7
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Vanadium	7440622	µg l ⁻¹	U	<1.0	<1.0	1.3
	Zinc (dissolved)	7440666	µg l ⁻¹	U	16	16	32

All tests undertaken between 08/12/2010 and 15/12/2010

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 2

LIMS sample ID range AF55613 to AF55615

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 7 December 2010

Report Date
22 December 2010

FAO Christine Gray

Trostre B - EC1420

					133021		
					AF55613	AF55614	AF55615
					SW1	SW2	SW3
					03/12/2010	03/12/2010	03/12/2010
					WATER	WATER	WATER
1450	Zinc	7440666	µg l ⁻¹	U	32	54	120
1470	Iron (total)	7439896	µg l ⁻¹	N	310	260	810
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	25	14	37
1701	PAH (total EPA 16)		µg l ⁻¹	U	<2	<2	<2
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 08/12/2010 and 15/12/2010

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 2

LIMS sample ID range AF55613 to AF55615

LABORATORY TEST REPORT

Report Date
20 January 2011

FAO Rob Holmes

Trostre B

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓ Determinand↓

					121975			
					AF62966	AF62967	AF62968	AF62969
					SW1	SW2	SW3	BH3
					1	2	3	3
					07/01/2011	07/01/2011	07/01/2011	07/01/2011
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH	-	U	7.6	7.5	7.4	7.0
1020	Electrical Conductivity	EC	µS cm ⁻¹	U	420	420	560	960
1090	Biochemical Oxygen Demand (ATU)	BOD	mg O ₂ l ⁻¹	N	<4	<4	<4	7
1100	Chemical Oxygen Demand	COD	mg O ₂ l ⁻¹	U	16	29	24	31
1220	Alkalinity	ALK	mg CaCO ₃ l ⁻¹	U	130	140	200	440
	Chloride	16887006	mg l ⁻¹	U	65	60	62	35
	Ammoniacal Nitrogen	AMM_NIT	mg l ⁻¹	U	0.34	0.40	0.42	0.09
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	130	160	100	870
1220	Sulfate	14808798	mg l ⁻¹	U	26	29	46	280
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	<1.0	<1.0	<1.0	1.2
	Arsenic	7440382	µg l ⁻¹	U	1.3	1.2	1.6	3.1
	Boron	7440428	µg l ⁻¹	U	28	27	48	65
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080	<0.080
	Chromium (dissolved)	7440473	µg l ⁻¹	U	29	31	<1.0	<1.0
	Chromium (total)	7440473	µg l ⁻¹	U	43	38	<1.0	<1.0
	Copper (dissolved)	7440508	µg l ⁻¹	U	11	13	9.1	12
	Copper	7440508	µg l ⁻¹	U	19	16	19	19
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50	<0.50
	Nickel (dissolved)	7440020	µg l ⁻¹	U	1.1	<1.0	2.1	3.4
	Nickel	7440020	µg l ⁻¹	U	3.8	3.4	5.5	7.4
	Lead (dissolved)	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Antimony (dissolved)	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Antimony	7440364	µg l ⁻¹	U	<1.0	<1.0	1.9	<1.0
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	5.3	4.1	<1.0	<1.0
	Vanadium	7440622	µg l ⁻¹	U	12	11	<1.0	<1.0
	Zinc (dissolved)	7440666	µg l ⁻¹	U	8.1	11	22	20
	Zinc	7440666	µg l ⁻¹	U	12	16	81	90

All tests undertaken between 13-Jan-2011 and 20-Jan-2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 1 of 3

Report sample ID range AF62966 to AF62969

LABORATORY TEST REPORT

Report Date
20 January 2011

FAO Rob Holmes

Results of analysis of 4 samples
received 12 January 2011

Trostre B

					121975			
					AF62966	AF62967	AF62968	AF62969
					SW1	SW2	SW3	BH3
					1	2	3	3
					07/01/2011	07/01/2011	07/01/2011	07/01/2011
					WATER	WATER	WATER	WATER
1470	Iron (total)	7439896	µg l ⁻¹	N	150	160	180	870
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	66
1700	Naphthalene	91203	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Acenaphthylene	208968	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Acenaphthene	83329	µg l ⁻¹	U	<0.1	<0.1	<0.1	0.1
	Fluorene	86737	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Phenanthrene	85018	µg l ⁻¹	U	<0.1	<0.1	<0.1	0.7
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1	15
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1	0.4
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1	0.4
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Total (of 16) PAHs		µg l ⁻¹	U	<2	<2	<2	17
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002

All tests undertaken between 13-Jan-2011 and 20-Jan-2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Column page 1

Report page 2 of 3

Report sample ID range AF62966 to AF62969

LABORATORY TEST REPORT

Report Date
20 January 2011

FAO Rob Holmes

Results of analysis of 4 samples
received 12 January 2011

Trostre B

					121975			
					AF62966	AF62967	AF62968	AF62969
					SW1	SW2	SW3	BH3
					1	2	3	3
					07/01/2011	07/01/2011	07/01/2011	07/01/2011
					WATER	WATER	WATER	WATER
1900	2-Nitrophenol	88755	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	Phenol	108952	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	0.0002	0.0002	0.0002	0.0002

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 7 February 2011

Report Date
15 February 2011

FAO Rob Holmes

Trostre B - EC1454

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓ Determinand↓

CAS No↓

Units↓

*

					115945			
					AF72457	AF72458	AF72459	AF72460
					SW	SW	SW	BH
					1	2	3	3
					04/02/2011	04/02/2011	04/02/2011	04/02/2011
					WATER	WATER	WATER	WATER
1010	pH	PH		U	7.4	7.5	7.3	6.9
1020	Electrical Conductivity	EC	µS cm ⁻¹	U	430	420	820	860
1090	Biochemical Oxygen Demand	BOD	mg O ₂ l ⁻¹	N	<4	<4	<4	<4
1100	Chemical Oxygen Demand	COD	mg O ₂ l ⁻¹	U	< 10	< 10	10	13
1220	Alkalinity	ALK	mg CaCO ₃ l ⁻¹	U	140	150	340	290
	Chloride	16887006	mg l ⁻¹	U	33	32	48	27
	Ammoniacal Nitrogen	AMM_NITROG	mg l ⁻¹	U	0.30	0.49	1.2	0.61
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	<20	<20	50	<20
1220	Sulfate	14808798	mg l ⁻¹	U	47	48	71	210
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Arsenic	7440382	µg l ⁻¹	U	1.4	1.2	1.6	5.1
	Boron	7440428	µg l ⁻¹	U	64	55	140	120
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080	<0.080
	Chromium (dissolved)	7440473	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Chromium (total)	7440473	µg l ⁻¹	U	2.2	2.3	3.2	3.5
	Copper (dissolved)	7440508	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Copper	7440508	µg l ⁻¹	U	7.9	1.8	1.8	2.0
	Mercury	7439976	µg l ⁻¹	U	0.64	<0.50	<0.50	<0.50
	Nickel (dissolved)	7440020	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Nickel	7440020	µg l ⁻¹	U	4.0	5.3	5.4	5.1
	Lead (dissolved)	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	1.2	<1.0	<1.0	<1.0
	Antimony (dissolved)	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Antimony	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0

All tests undertaken between 10/02/2011 and 15/02/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 3

LIMS sample ID range AF72457 to AF72460

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 7 February 2011

Report Date
15 February 2011

FAO Rob Holmes

Trostre B - EC1454

					115945			
					AF72457	AF72458	AF72459	AF72460
					SW	SW	SW	BH
					1	2	3	3
					04/02/2011	04/02/2011	04/02/2011	04/02/2011
					WATER	WATER	WATER	WATER
1450	Vanadium	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Zinc (dissolved)	7440666	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Zinc	7440666	µg l ⁻¹	U	18	19	33	27
1470	Iron (total)	7439896	µg l ⁻¹	N	1500	1600	2100	2700
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Acenaphthylene	208968	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Acenaphthene	83329	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Fluorene	86737	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Phenanthrene	85018	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Total (of 16) PAHs		µg l ⁻¹		<2	<2	<2	<2
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 10/02/2011 and 15/02/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 3

LIMS sample ID range AF72457 to AF72460

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 7 February 2011

Report Date
15 February 2011

FAO Rob Holmes

Trostre B - EC1454

					115945			
					AF72457	AF72458	AF72459	AF72460
					SW	SW	SW	BH
					1	2	3	3
					04/02/2011	04/02/2011	04/02/2011	04/02/2011
					WATER	WATER	WATER	WATER
1900	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 7 March 2011

Report Date
18 March 2011

FAO Rob Holmes

Tostre B - EC1475

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

					116509		
					AF82430	AF82431	AF82432
					SW1	SW2	SW3
					04/03/2011	04/03/2011	04/03/2011
					WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*			
1010	pH	PH		U	7.9	7.7	7.2
1020	Electrical Conductivity	EC	µS cm ⁻¹	U	350	370	820
1090	Biochemical Oxygen Demand	BOD	mg O ₂ l ⁻¹	N	<4	<4	<4
1100	Chemical Oxygen Demand	COD	mg O ₂ l ⁻¹	U	< 10	< 10	< 10
1220	Alkalinity	ALK	mg CaCO ₃ l ⁻¹	U	170	160	560
	Chloride	16887006	mg l ⁻¹	U	30	28	51
	Ammoniacal Nitrogen	AMM_NITROG	mg l ⁻¹	U	0.78	0.63	1.0
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.005	<0.005	<0.005
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	150	130	150
1220	Sulfate	14808798	mg l ⁻¹	U	43	40	68
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Arsenic	7440382	µg l ⁻¹	U	1.7	1.4	2.3
	Boron	7440428	µg l ⁻¹	U	140	110	280
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080
	Chromium (dissolved)	7440473	µg l ⁻¹	U	21	20	19
	Chromium (total)	7440473	µg l ⁻¹	U	26	22	22
	Copper (dissolved)	7440508	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Copper	7440508	µg l ⁻¹	U	2.4	2.8	3.4
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50
	Nickel (dissolved)	7440020	µg l ⁻¹	U	4.4	4.4	4.5
	Nickel	7440020	µg l ⁻¹	U	9.1	9.1	9.2
	Lead (dissolved)	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony (dissolved)	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	3.8	3.5	3.0

All tests undertaken between 10/03/2011 and 15/03/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 3

LIMS sample ID range AF82430 to AF82432

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 7 March 2011

Report Date
18 March 2011

FAO Rob Holmes

Tostre B - EC1475

					116509		
					AF82430	AF82431	AF82432
					SW1	SW2	SW3
					04/03/2011	04/03/2011	04/03/2011
					WATER	WATER	WATER
1450	Vanadium	7440622	µg l ⁻¹	U	4.8	4.0	3.2
	Zinc (dissolved)	7440666	µg l ⁻¹	U	5.3	5.6	6.8
	Zinc	7440666	µg l ⁻¹	U	37	34	47
1470	Iron (total)	7439896	µg l ⁻¹	N	1900	1700	2600
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1701	PAH (total EPA 16)		µg l ⁻¹	U	<2	<2	<2
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 10/03/2011 and 15/03/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 3

LIMS sample ID range AF82430 to AF82432

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 7 March 2011

Report Date
18 March 2011

Tostre B - EC1475

					116509		
					AF82430	AF82431	AF82432
					SW1	SW2	SW3
					04/03/2011	04/03/2011	04/03/2011
					WATER	WATER	WATER
1900	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 4 April 2011

Report Date
12 April 2011

FAO R Holmes

Trostre B

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

					135585			
					AF92294	AF92295	AF92296	AF92297
					SW1	SW2	SW3	BH3
					01/04/2011	01/04/2011	01/04/2011	01/04/2011
					WATER	WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*				
1010	pH	PH		U	7.8	7.7	7.5	7.2
1020	Electrical Conductivity	EC	µS cm ⁻¹	U	410	390	740	840
1090	Biochemical Oxygen Demand	BOD	mg O ₂ l ⁻¹	N	<4	<4	<4	12
1100	Chemical Oxygen Demand	COD	mg O ₂ l ⁻¹	U	21	31	22	34
1220	Alkalinity	ALK	mg CaCO ₃ l ⁻¹	U	140	130	320	350
	Chloride	16887006	mg l ⁻¹	U	31	31	38	22
	Ammoniacal Nitrogen	AMM_NITROG	mg l ⁻¹	U	0.15	0.14	0.77	0.19
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	250	220	30	90
1220	Sulfate	14808798	mg l ⁻¹	U	42	40	72	170
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Arsenic	7440382	µg l ⁻¹	U	1.5	1.1	1.6	4.2
	Boron	7440428	µg l ⁻¹	U	55	42	100	83
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080	<0.080
	Chromium (dissolved)	7440473	µg l ⁻¹	U	2.8	3.7	3.5	3.3
	Chromium (total)	7440473	µg l ⁻¹	U	6.6	4.9	5.8	5.8
	Copper (dissolved)	7440508	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Copper	7440508	µg l ⁻¹	U	4.7	2.2	5.3	4.0
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50	<0.50
	Nickel (dissolved)	7440020	µg l ⁻¹	U	1.8	2.1	2.1	2.0
	Nickel	7440020	µg l ⁻¹	U	7.8	5.1	7.9	6.3
	Lead (dissolved)	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	3.2	<1.0	2.5	1.5
	Antimony (dissolved)	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0
	Antimony	7440364	µg l ⁻¹	U	1.0	1.0	<1.0	<1.0
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0

All tests undertaken between 06/04/2011 and 12/04/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 3

LIMS sample ID range AF92294 to AF92297

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 4 April 2011

Report Date
12 April 2011

FAO R Holmes

Trostre B

					135585			
					AF92294	AF92295	AF92296	AF92297
					SW1	SW2	SW3	BH3
					01/04/2011	01/04/2011	01/04/2011	01/04/2011
					WATER	WATER	WATER	WATER
1450	Vanadium	7440622	µg l ⁻¹	U	1.4	<1.0	1.5	1.0
	Zinc (dissolved)	7440666	µg l ⁻¹	U	1.6	<1.0	2.8	1.8
	Zinc	7440666	µg l ⁻¹	U	38	16	43	23
1470	Iron (total)	7439896	µg l ⁻¹	N	200	240	50	1000
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Acenaphthylene	208968	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Acenaphthene	83329	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Fluorene	86737	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Phenanthrene	85018	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1
	Total (of 16) PAHs		µg l ⁻¹		<2	<2	<2	<2
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 06/04/2011 and 12/04/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 3

LIMS sample ID range AF92294 to AF92297

LABORATORY TEST REPORT

Results of analysis of 4 samples
received 4 April 2011

Report Date
12 April 2011

FAO R Holmes

Trostre B

					135585			
					AF92294	AF92295	AF92296	AF92297
					SW1	SW2	SW3	BH3
					01/04/2011	01/04/2011	01/04/2011	01/04/2011
					WATER	WATER	WATER	WATER
1900	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002

LABORATORY TEST REPORT

Results of analysis of 3 samples
 received 9 May 2011

Report Date
 13 June 2011

FAO Rob Holmes

Trostre B - EC1497

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

					117360		
					AG02317	AG02318	AG02319
					SW1	SW2	SW3
					06/05/2011	06/05/2011	06/05/2011
					WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*			
1010	pH	PH		U	7.1	7.2	7.0
1020	Electrical Conductivity	EC	µS cm ⁻¹	U	390	400	730
1090	Biochemical Oxygen Demand	BOD	mg O ₂ l ⁻¹	N	<4	<4	<4
1100	Chemical Oxygen Demand	COD	mg O ₂ l ⁻¹	U	18	41	33
1220	Alkalinity	ALK	mg CaCO ₃ l ⁻¹	U	150	150	410
	Chloride	16887006	mg l ⁻¹	U	31	32	38
	Ammoniacal Nitrogen	AMM_NITROG	mg l ⁻¹	U	0.44	0.44	1.4
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.005	<0.005	<0.005
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	50	190	120
1220	Sulfate	14808798	mg l ⁻¹	U	45	45	66
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Arsenic	7440382	µg l ⁻¹	U	<1.0	<1.0	1.2
	Boron	7440428	µg l ⁻¹	U	36	55	120
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080
	Chromium (dissolved)	7440473	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Chromium (total)	7440473	µg l ⁻¹	U	3.8	4.4	4.1
	Copper (dissolved)	7440508	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Copper	7440508	µg l ⁻¹	U	3.8	3.8	3.8
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50
	Nickel (dissolved)	7440020	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Nickel	7440020	µg l ⁻¹	U	4.1	5.1	8.0
	Lead (dissolved)	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	<1.0	1.4	<1.0
	Antimony (dissolved)	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony	7440364	µg l ⁻¹	U	3.9	3.8	<1.0
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0

All tests undertaken between 11/05/2011 and 17/05/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 3

LIMS sample ID range AG02317 to AG02319

LABORATORY TEST REPORT

Results of analysis of 3 samples
 received 9 May 2011

Report Date
 13 June 2011

FAO Rob Holmes

Trostre B - EC1497

					117360		
					AG02317	AG02318	AG02319
					SW1	SW2	SW3
					06/05/2011	06/05/2011	06/05/2011
					WATER	WATER	WATER
1450	Vanadium	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Zinc (dissolved)	7440666	µg l ⁻¹	U	1.8	2.9	5.3
	Zinc	7440666	µg l ⁻¹	U	11	15	38
1470	Iron (total)	7439896	µg l ⁻¹	N	510	600	1000
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Acenaphthylene	208968	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Acenaphthene	83329	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Fluorene	86737	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Phenanthrene	85018	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Total (of 16) PAHs		µg l ⁻¹		<2	<2	<2
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 11/05/2011 and 17/05/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 3

LIMS sample ID range AG02317 to AG02319

LABORATORY TEST REPORT

Results of analysis of 3 samples
received 9 May 2011

Trostre B - EC1497

Report Date
13 June 2011

					117360		
					AG02317	AG02318	AG02319
					SW1	SW2	SW3
					06/05/2011	06/05/2011	06/05/2011
					WATER	WATER	WATER
1900	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

LABORATORY TEST REPORT

Results of analysis of 3 samples
 received 13 June 2011

Report Date
 23 June 2011

FAO Rob Holmes

Trostre B

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*	137065		
					AG13292	AG13293	AG13294
					SW1	SW2	SW3
					10/06/2011	10/06/2011	10/06/2011
					WATER	WATER	WATER
1010	pH	PH		U	7.6	7.7	7.4
1020	Electrical Conductivity	EC	µS cm ⁻¹	U	500	500	830
1090	Biochemical Oxygen Demand	BOD	mg O ₂ l ⁻¹	N	<4	<4	<4
1100	Chemical Oxygen Demand	COD	mg O ₂ l ⁻¹	U	23	18	22
1220	Alkalinity	ALK	mg CaCO ₃ l ⁻¹	U	180	170	380
	Chloride	16887006	mg l ⁻¹	U	34	33	45
	Ammoniacal Nitrogen	AMM_NITROG	mg l ⁻¹	U	0.26	0.14	1.9
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.005	<0.005	<0.005
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	90	50	150
1220	Sulfate	14808798	mg l ⁻¹	U	54	55	57
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Arsenic	7440382	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Boron	7440428	µg l ⁻¹	U	20	<20	32
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	<0.080	<0.080	<0.080
	Chromium (dissolved)	7440473	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Chromium (total)	7440473	µg l ⁻¹	U	20	17	13
	Copper (dissolved)	7440508	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Copper	7440508	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50
	Nickel (dissolved)	7440020	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Nickel	7440020	µg l ⁻¹	U	13	12	11
	Lead (dissolved)	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony (dissolved)	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0

All tests undertaken between 14/06/2011 and 21/06/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 3

LIMS sample ID range AG13292 to AG13294

LABORATORY TEST REPORT

Results of analysis of 3 samples
 received 13 June 2011

Report Date
 23 June 2011

FAO Rob Holmes

Trostre B

					137065		
					AG13292	AG13293	AG13294
					SW1	SW2	SW3
					10/06/2011	10/06/2011	10/06/2011
					WATER	WATER	WATER
1450	Vanadium	7440622	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Zinc (dissolved)	7440666	µg l ⁻¹	U	36	19	23
	Zinc	7440666	µg l ⁻¹	U	90	110	140
1470	Iron (total)	7439896	µg l ⁻¹	N	610	550	230
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Acenaphthylene	208968	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Acenaphthene	83329	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Fluorene	86737	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Phenanthrene	85018	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Total (of 16) PAHs		µg l ⁻¹		<2	<2	<2
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 14/06/2011 and 21/06/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 3

LIMS sample ID range AG13292 to AG13294

LABORATORY TEST REPORT

Results of analysis of 3 samples
 received 13 June 2011

Report Date
 23 June 2011

FAO Rob Holmes

Trostre B

					137065		
					AG13292	AG13293	AG13294
					SW1	SW2	SW3
					10/06/2011	10/06/2011	10/06/2011
					WATER	WATER	WATER
1900	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

LABORATORY TEST REPORT

Results of analysis of 5 samples
 received 8 July 2011

Report Date
 18 July 2011

FAO Robert Holmes

Trostre B

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

SOP↓	Determinand↓	CAS No↓	Units↓	*					
1010	pH	PH		U	7.9	8.0	8.0	7.8	7.4
1020	Electrical Conductivity	EC	µS cm ⁻¹	U	360	320	620	740	1500
1090	Biochemical Oxygen Demand	BOD	mg O2 l ⁻¹	N	<4	<4	5	<4	<4
1100	Chemical Oxygen Demand	COD	mg O2 l ⁻¹	U	18	22	16	19	36
1220	Alkalinity	ALK	mg CaCO3 l ⁻¹	U	180	170	510	190	570
	Chloride	16887006	mg l ⁻¹	U	36	25	38	170	54
	Ammoniacal Nitrogen	AMM_NITROG	mg l ⁻¹	U	0.49	0.19	1.2	2.3	0.48
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.005	<0.005	<0.005	<0.005	<0.005
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	760	810	740	690	2100
1220	Sulfate	14808798	mg l ⁻¹	U	38	32	65	200	520
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	1.9	1.8	2.1	2.5	7.6
	Arsenic	7440382	µg l ⁻¹	U	1.9	1.8	2.1	2.5	7.6
	Boron	7440428	µg l ⁻¹	U	120	97	170	160	230
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	0.33	0.24	0.26	0.17	0.47
	Chromium (dissolved)	7440473	µg l ⁻¹	U	8.7	13	9.8	18	6.5
	Chromium (total)	7440473	µg l ⁻¹	U	12	13	16	18	7.5
	Copper (dissolved)	7440508	µg l ⁻¹	U	3.2	2.5	1.0	5.3	2.2
	Copper	7440508	µg l ⁻¹	U	3.2	2.5	2.5	5.3	4.0
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	0.56	<0.50	1.1
	Nickel (dissolved)	7440020	µg l ⁻¹	U	2.8	3.2	6.0	3.3	10
	Nickel	7440020	µg l ⁻¹	U	6.6	6.5	11	4.1	10
	Lead (dissolved)	7439921	µg l ⁻¹	U	1.0	1.7	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	10	5.5	2.0	<1.0	<1.0
	Antimony (dissolved)	7440364	µg l ⁻¹	U	1.4	1.7	<1.0	1.8	<1.0
	Antimony	7440364	µg l ⁻¹	U	3.3	3.7	2.7	3.4	3.2
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	1.2	1.8	2.2	4.1	<1.0

All tests undertaken between 11/07/2011 and 18/07/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 3

LIMS sample ID range AG23037 to AG23041

LABORATORY TEST REPORT

Results of analysis of 5 samples
 received 8 July 2011

Report Date
 18 July 2011

FAO Robert Holmes

Trostre B

					137817				
					AG23037	AG23038	AG23039	AG23040	AG23041
					SW1	SW2	SW3	BH2	BH3
					07/07/2011	07/07/2011	07/07/2011	07/07/2011	07/07/2011
					WATER	WATER	WATER	WATER	WATER
1450	Vanadium	7440622	µg l ⁻¹	U	3.5	3.5	3.7	3.3	<1.0
	Zinc (dissolved)	7440666	µg l ⁻¹	U	22	17	44	14	34
	Zinc	7440666	µg l ⁻¹	U	63	30	81	20	46
1470	Iron (total)	7439896	µg l ⁻¹	N	820	920	770	930	3900
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Acenaphthylene	208968	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Acenaphthene	83329	µg l ⁻¹	U	0.8	<0.1	<0.1	<0.1	<0.1
	Fluorene	86737	µg l ⁻¹	U	0.5	<0.1	<0.1	<0.1	<0.1
	Phenanthrene	85018	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1	<0.1	<0.1
	Total (of 16) PAHs		µg l ⁻¹		<2	<2	<2	<2	<2
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

All tests undertaken between 11/07/2011 and 18/07/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 3

LIMS sample ID range AG23037 to AG23041

LABORATORY TEST REPORT

Results of analysis of 5 samples
 received 8 July 2011

Report Date
 18 July 2011

FAO Robert Holmes

Trostre B

					137817				
					AG23037	AG23038	AG23039	AG23040	AG23041
					SW1	SW2	SW3	BH2	BH3
					07/07/2011	07/07/2011	07/07/2011	07/07/2011	07/07/2011
					WATER	WATER	WATER	WATER	WATER
1900	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002

LABORATORY TEST REPORT

Results of analysis of 3 samples
 received 15 August 2011

Report Date
 23 August 2011

FAO R Holmes

Trostre B

Login Batch No

Chemtest LIMS ID

Sample ID

Sample No

Sampling Date

Depth

Matrix

					138693		
					AG35503	AG35504	AG35505
					SW	SW	SW
					1	2	3
					12/08/2011	12/08/2011	12/08/2011
					WATER	WATER	WATER
SOP↓	Determinand↓	CAS No↓	Units↓	*			
1010	pH	PH		U	7.6	7.6	7.6
1020	Electrical Conductivity	EC	µS cm ⁻¹	U	440	420	430
1090	Biochemical Oxygen Demand	BOD	mg O ₂ l ⁻¹	N	<4	<4	<4
1100	Chemical Oxygen Demand	COD	mg O ₂ l ⁻¹	U	21	12	16
1220	Alkalinity	ALK	mg CaCO ₃ l ⁻¹	U	210	200	210
	Chloride	16887006	mg l ⁻¹	U	30	30	30
	Ammoniacal Nitrogen	AMM_NITROG	mg l ⁻¹	U	2.6	2.7	3.4
1300	Cyanide (total) Low-Level	57125	mg l ⁻¹	N	<0.05	<0.05	<0.05
1470	Iron (dissolved)	7439896	µg l ⁻¹	N	110	170	120
1220	Sulfate	14808798	mg l ⁻¹	U	47	46	47
1450	Arsenic (dissolved)	7440382	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Arsenic	7440382	µg l ⁻¹	U	1.1	<1.0	1.2
	Boron	7440428	µg l ⁻¹	U	66	55	80
	Beryllium	7440417	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Cadmium	7440439	µg l ⁻¹	U	0.15	0.12	0.23
	Chromium (dissolved)	7440473	µg l ⁻¹	U	1.1	<1.0	1.3
	Chromium (total)	7440473	µg l ⁻¹	U	4.2	3.6	6.8
	Copper (dissolved)	7440508	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Copper	7440508	µg l ⁻¹	U	<1.0	<1.0	1.5
	Mercury	7439976	µg l ⁻¹	U	<0.50	<0.50	<0.50
	Nickel (dissolved)	7440020	µg l ⁻¹	U	<1.0	<1.0	1.1
	Nickel	7440020	µg l ⁻¹	U	3.3	2.8	4.7
	Lead (dissolved)	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Lead	7439921	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony (dissolved)	7440364	µg l ⁻¹	U	<1.0	<1.0	<1.0
	Antimony	7440364	µg l ⁻¹	U	1.5	1.3	1.6
	Vanadium (dissolved)	7440622	µg l ⁻¹	U	<1.0	<1.0	1.1

All tests undertaken between 16/08/2011 and 23/08/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 1 of 3

LIMS sample ID range AG35503 to AG35505

LABORATORY TEST REPORT

Results of analysis of 3 samples
 received 15 August 2011

Report Date
 23 August 2011

FAO R Holmes

Trostre B

					138693		
					AG35503	AG35504	AG35505
					SW	SW	SW
					1	2	3
					12/08/2011	12/08/2011	12/08/2011
					WATER	WATER	WATER
1450	Vanadium	7440622	µg l ⁻¹	U	<1.0	<1.0	1.2
	Zinc (dissolved)	7440666	µg l ⁻¹	U	1.3	1.1	1.3
	Zinc	7440666	µg l ⁻¹	U	12	16	13
1470	Iron (total)	7439896	µg l ⁻¹	N	450	420	450
1670	TPH (Aqueous Phase)		µg l ⁻¹	U	<10	<10	<10
1700	Naphthalene	91203	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Acenaphthylene	208968	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Acenaphthene	83329	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Fluorene	86737	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Phenanthrene	85018	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Anthracene	120127	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Fluoranthene	206440	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Pyrene	129000	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[a]anthracene	56553	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Chrysene	218019	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	µg l ⁻¹	U	<0.1	<0.1	<0.1
	Total (of 16) PAHs		µg l ⁻¹		<2	<2	<2
1900	2-sec-Butyl-4,6-dinitrophenol	88857	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Chloro-3-methylphenol	59507	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Chlorophenol	95578	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dichlorophenol	120832	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,6-Dichlorophenol	87650	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4-Dimethylphenol	105679	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

All tests undertaken between 16/08/2011 and 23/08/2011

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page.

Column page 1

Report page 2 of 3

LIMS sample ID range AG35503 to AG35505

LABORATORY TEST REPORT

Results of analysis of 3 samples
 received 15 August 2011

Report Date
 23 August 2011

FAO R Holmes

Trostre B

					138693		
					AG35503	AG35504	AG35505
					SW	SW	SW
					1	2	3
					12/08/2011	12/08/2011	12/08/2011
					WATER	WATER	WATER
1900	2,4-Dinitrophenol	51285	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methyl-4,6-dinitrophenol	534521	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Methylphenol	95487	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3-Methylphenol	108394	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Methylphenol	106445	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2-Nitrophenol	88755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	4-Nitrophenol	100027	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Pentachlorophenol	87865	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	Phenol	108952	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,5-Tetrachlorophenol	4901513	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4,6-Tetrachlorophenol	58902	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5,6-Tetrachlorophenol	935955	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,4-Trichlorophenol	15950660	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,5-Trichlorophenol	933788	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,3,6-Trichlorophenol	933755	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,5-Trichlorophenol	95954	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	2,4,6-Trichlorophenol	88062	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002
	3,4,5-Trichlorophenol	609198	mg l ⁻¹	N	<0.0002	<0.0002	<0.0002

Carmarthenshire County Council				
Job: Trostre Landfill Gas Testing				
Bore Hole Location	Date	O₂ (%)	CH₄ (%)	CO₂ (%)
1	Sep-10	0.2	13	7
2	Sep-10	16.2	0	1.4
3	Sep-10	12.3	0	4.2
4	Sep-10	1.4	0	2.5
1	Oct-10	1.7	10	5.2
2	Oct-10	18	0	1.7
3	Oct-10	2	47	9
4	Oct-10	1.2	0	5.1
1	Nov-10	1.3	5	6
2	Nov-10	19.8	0	0.7
3	Nov-10	17.1	1	1.2
4	Nov-10	1.8	1.5	3.2
1	Dec-10	1.4	1.3	5.2
2	Dec-10	19.7	0	0.1
3	Dec-10	10.8	1.4	2.3
4	Dec-10	4	0	4.2
1	Jan-11	0.2	6	4
2	Jan-11	19.3	0	0.6
3	Jan-11	9.2	4.9	2.7
4	Jan-11	0.6	0	2.7
1	Feb-11	0.7	5.3	3
2	Feb-11	18.4	0.1	1.1
3	Feb-11	13	2.2	1.7
4	Feb-11	3.2	0	2.7
1	Mar-11	0.2	4.5	4.4
2	Mar-11	19.1	2.2	1.5
3	Mar-11	16	0	1.7
4	Mar-11	1.6	0	3.1
1	Apr-11	0.2	4	2.3
2	Apr-11	20.1	0	0.1
3	Apr-11	10.2	4	3.2
4	Apr-11	2	0	2.6
1	May-11	0.4	5	7
2	May-11	16.6	0	2.9
3	May-11	14.4	0.8	2.7
4	May-11	0.8	0.5	3.1
1	Jun-11	0.4	5	7
2	Jun-11	16.6	0.6	2.9
3	Jun-11	14.4	0.8	2.7
4	Jun-11	0.8	0.5	3.1
1	Jul-11	5.5	9	5
2	Jul-11	20.4	0	0.1
3	Jul-11	3.5	4.6	7
4	Jul-11	1.2	2.5	3.3
1	Aug-11	0.4	4	3
2	Aug-11	20.2	2	1.1
3	Aug-11	15	0.5	2
4	Aug-11	2.2	0	2.4