

MES Environmental Ltd
Wolverhampton EFW Facility



Six-monthly Reporting of Emissions to Air for the period from July 2007 to December 2007

Notes:

1. The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value (ELV) – see notes 7 to 10. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated.
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5. The uncertainty associated with the quoted result is expressed on a 95% confidence interval basis in the measurement units.
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Sent To Public Register	
PIR/PPC	
LA	
Comments	AB 31/1/08

Signed authorised to sign as representative of Operator Date

Dr N Ford
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Six-monthly Reporting of Emissions to Air for the period from July 2007

to December 2007

Emission Point	Substance / Parameter	Emission Limit Value (mg/m ³)	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]			Accreditation/ Certification ^[4]		Uncertainty ^[5]
								Sampling	Analysis	
A1	Dioxins / furans (I-TEQ) ^[6]	0.1 ^[10] ng/m ³	0.0453 - 0.0453	BS EN 1948	15.10.07	1200	1817	1296	1668	0.0115
A1	Dioxins / furans (WHO-TEQ Humans / Mammals) ^[6]	No limit applies ng/m ³	0.0503 - 0.0503							0.0128
A1	Dioxins / furans (WHO-TEQ Fish) ⁶	No limit applies ng/m ³	0.0477 - 0.0477							0.0121
A1	Dioxins / furans (WHO-TEQ Brds) ^[6]	No limit applies ng/m ³	0.0880 - 0.0880							0.0224
A1	Poly-cyclic aromatic hydrocarbons (PAHs) Total	No limit applies µg/m ³	5.9	BS ISO 11338-1,2	17.10.07	0920	1030	1296	1668	5.9
A1	Naphthalene	No limit applies µg/m ³	4.2	-BS ISO 11338-1,2	17.10.07	0920	1030	1296	1668	4.2
A1	Fluoranthene		0.11							0.11
A1	Benzo(a)anthracene		0.11							0.11
A1	Chrysene		0.11							0.11
A1	Benzo(b) fluoranthene		0.11							0.11
A1	Benzo(k) fluoranthene		0.11							0.11
A1	Benzo(a)pyrene (BaP)		0.11							0.11
A1	Indeno(123-cd)pyrene		0.11							0.11
A1	Benzo(ghi)perylene		0.11							0.11
A1	Dibenzo(ah)anthracene		0.11							0.11
A1	Cyclopenta(cd)pyrene		0.11							0.11
A1	Anthanthrene		0.11							0.11
A1	Benzo(b)naph(2,1-d) thiophene		0.11							0.11
A1	Benzo(c)phenanthrene		0.11							0.11
A1	Cholanthrene		0.11							0.11
A1	Dibenzo(a,i)pyrene		0.11							0.11

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					Date	Start	End	Sampling	Analysis	
A1	Particulate Matter	20 ^[7]	6	BS EN 13284-1	16.10.07	1230	1345	1296	1296	2
A1	Hydrogen chloride	30 ^[7]	10.2	BS EN 1911	16.10.07	1230	1345	1296	1015	1.2
A1	Hydrogen fluoride	2 ^[7]	<0.05	US EPA 26A	16.10.07	1230	1345	1296	1015	0.05
A1	Volatile organic compounds	20 ^[8]	7	BS EN 12619	15.10.07	1235	1635	1296	1296	1
A1	Carbon monoxide	100 ^[8]	31	ISO12039	15.10.07	1235	1635	1296	1296	9
A1	Sulphur dioxide	100 ^[8]	<5	BS6069-4.4	15.10.07	1235	1635	1296	1296	5
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	350 ^[8]	185	ISO 10849	15.10.07	1235	1635	1296	1296	37
A1	Ammonia (NH ₃)	No limit applies	7.6	US EPA 26A	16.10.07	1230	1345	1296	1015	0.9
A1	Nitrous oxide (N ₂ O)	No limit applies	9.7	VDI 2469-1	15.10.07	1511	1630	1296	1296	1.0
A1	Cadmium & thallium and their compounds (total)	0.05 ^[9]	0.0005	BS EN 14385	16.10.07	1545	1653	1296	1015	0.0005
A1	Mercury and its compounds	0.05 ^[9]	0.0011	BS EN 13211	16.10.07	0920	1030	1296	1015	0.0011
A1	Sb, As, Pb, Cr, Co, Cu, Mn, Ni & V and their compounds (total)	0.5 ^[9]	0.0484	BS EN 14385	16.10.07	1545	1653	1296	1015	0.0375
A1	Dioxin-like PCBs (WHO-TEQ Humans / Mammals) ^[6]	No limit applies ng/m ³	0.0002 - 0.0002	BS EN 1948	15.10.07	1200	1817	1296	1668	0.0002
A1	Dioxin-like PCBs (WHO-TEQ Fish) ^[6]	No limit applies ng/m ³	<0.0001 - <0.0001							0.0001
A1	Dioxin-like PCBs (WHO-TEQ Birds) ^[6]	No limit applies ng/m ³	0.0004 - 0.0004							0.0004

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Signed authorised to sign as representative of Operator Date

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Emission Point	Substance / Parameter	Emission Limit Value (mg/m ³)	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]			Accreditation/ Certification ^[4]		Uncertainty ^[5]
					Date	Start	End	Sampling	Analysis	
A2	Particulate Matter	20 ^[7]	5	BS EN 13284-1	15.10.07	1420	1545	1296	1296	2
A2	Hydrogen chloride	30 ^[7]	4.7	BS EN 1911	15.10.07	1420	1545	1296	1015	0.5
A2	Hydrogen fluoride	2 ^[7]	<0.02	US EPA 26A	15.10.07	1420	1545	1296	1015	0.02
A2	Volatile organic compounds	20 ^[8]	3	BS EN 12619	16.10.07	1639	1909	1296	1296	1
A2	Carbon monoxide	100 ^[8]	37	ISO12039	15.10.07	1700	2100	1296	1296	9
A2	Sulphur dioxide	100 ^[8]	<5	BS6069-4.4	15.10.07	1700	2100	1296	1296	5
A2	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	350 ^[8]	190	ISO 10849	15.10.07	1700	2100	1296	1296	37
A2	Ammonia (NH ₃)	No limit applies	4.5	US EPA 26A	15.10.07	1420	1545	1296	1015	0.5
A2	Nitrous oxide (N ₂ O)	No limit applies	29	VDI 2469-1	15.10.07	1450	1510	1296	1296	3
A2	Cadmium & thallium and their compounds (total)	0.05 ^[9]	0.0026	BS EN 14385	15.10.07	1130	1245	1296	1015	0.0009
A2	Mercury and its compounds	0.05 ^[9]	0.0010	BS EN 13211	15.10.07	1745	1855	1296	1015	0.0010
A2	Sb, As, Pb, Cr, Co, Cu, Mn, Ni & V and their compounds (total)	0.5 ^[9]	0.1263	BS EN 14385	15.10.07	1130	1245	1296	1015	0.0642
A2	Dioxin-like PCBs (WHO-TEQ Humans / Mammals) ^[6]	No limit applies ng/m ³	0.0002 - 0.0002	BS EN 1948	16.10.07	0955	1612	1296	1668	0.0002
A2	Dioxin-like PCBs (WHO-TEQ Fish) ^[6]	No limit applies ng/m ³	<0.0001 - <0.0001							0.0001
A2	Dioxin-like PCBs (WHO-TEQ Birds) ^[6]	No limit applies ng/m ³	0.0005 - 0.0005							0.0005

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Emission Point	Substance / Parameter	Emission Limit Value (mg/m ³)	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]			Accreditation/ Certification ^[4]		Uncertainty ^[5]
								Sampling	Analysis	
A2	Dioxins / furans (I-TEQ) ^[6]	0.1 ^[10] ng/m ³	0.0370 - 0.0370	BS EN 1948	16.10.07	0955	1612	1296	1668	0.0116
A2	Dioxins / furans (WHO-TEQ Humans / Mammals) ^[6]	No limit applies ng/m ³	0.0389 - 0.0389							0.0122
A2	Dioxins / furans (WHO-TEQ Fish) ⁶	No limit applies ng/m ³	0.0363 - 0.0363							0.0114
A2	Dioxins / furans (WHO-TEQ Birds) ^[6]	No limit applies ng/m ³	0.0551 - 0.0551							0.0173
A2	Poly-cyclic aromatic hydrocarbons (PAHs) Total	No limit applies µg/m ³	4.3	BS ISO 11338-1,2	16.10.07	1704	1812	1296	1668	4.3
A2	Naphthalene	No limit applies µg/m ³	2.5	-BS ISO 11338-1,2	16.10.07	1704	1812	1296	1668	2.5
A2	Fluoranthene		0.12							0.12
A2	Benz(a)anthracene		0.12							0.12
A2	Chrysene		0.12							0.12
A2	Benzo(b) fluoranthene		0.12							0.12
A2	Benzo(k) fluoranthene		0.12							0.12
A2	Benzo(a)pyrene (BaP)		0.12							0.12
A2	Indeno(123-cd)pyrene		0.12							0.12
A2	Benzo(ghi)perylene		0.12							0.12
A2	Dibenzo(ah)anthracene		0.12							0.12
A2	Cyclopenta(cd)pyrene		0.12							0.12
A2	Anthanthrene		0.12							0.12
A2	Benzo(b)naph(2,1-d) thiophene		0.12							0.12
A2	Benzo(c)phenanthrene		0.12							0.12
A2	Cholanthrene		0.12							0.12
A2	Dibenzo(a,i)pyrene		0.12							0.12

Permit Reference Number : AP3835SM

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					Date	Start	End	Sampling	Analysis	
A1	Hydrogen fluoride	2 mg/m ³ ⁽⁶⁾	<0.07	US EPA 26A	1.8.07	1356	1510	1296	1015	0.07
A1	Cadmium & thallium and their compounds (total)	0.05 mg/m ³ ⁽⁶⁾	0.0013	BS EN 14385	1.8.07	1040	1150	1296	0451	0.0012
A1	Mercury and its compounds	0.05 mg/m ³ ⁽⁶⁾	0.0051	BS EN 13211	1.8.07	1216	1326	1296	0451	0.0015
A1	Sb, As, Pb, Cr, Co, Cu, Mn, Ni & V and their compounds (total)	0.5 mg/m ³ ⁽⁶⁾	0.1451	BS EN 14385	1.8.07	1040	1150	1296	0451	0.0520

Sent To Public Register	
PIR/PPC	
LA	
Comments	AS 11/10

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Signed

N. Ford

authorised to sign as representative of Operator

Date

28.9.07

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Gloucestershire, GL17 0DD

Permit Reference Number : AP3835SM

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					Date	Start	End	Sampling	Analysis	
A2	Hydrogen fluoride	2 mg/m ³ ^[6]	<0.05	US EPA 26A	2.8.07	1008	1120	1296	1015	0.05
A2	Cadmium & thallium and their compounds (total)	0.05 mg/m ³ ^[6]	0.0007	BS EN 14385	2.8.07	1315	1425	1296	0451	0.0007
A2	Mercury and its compounds	0.05 mg/m ³ ^[6]	0.0021	BS EN 13211	2.8.07	1145	1255	1296	0451	0.0008
A2	Sb, As, Pb, Cr, Co, Cu, Mn, Ni & V and their compounds (total)	0.5 mg/m ³ ^[6]	0.0475	BS EN 14385	2.8.07	1315	1425	1296	0451	0.0259

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