Site Specific Protocol

Part 1

OPERATOR NAME	Wyndeham Heron
OPERATORS ADDRESS	The Bethnal Complex, Colchester Road
	Maldon
	Essex
PERMIT NUMBER	MLD/EPR/A2/001
INSTALLATION NAME	Printworks
CONTACT NAME	Matt Carter & Nick Waterhouse
CONTACT TELEPHONE NUMBER	01621 877766
DATE & REPORT NUMBER OF PREVIOUS MONITORING CAMPAIGN	15th-16th October 2012/Report 5319v2
PREVIOUS SSP FILE NAME	SSP5319v1
PLANNED DATE OF MONITORING CAMPAIGN	4th & 5th December 2013
MONITORING ORGANISATION NAME	ENVIROCARE TECHNICAL CONSULTANCY LTD
ADDRESS	ST BLAISE HOUSE
	VAUGHAN STREET
	BRADFORD
	BD1 2LL
JOB NUMBER	J-5785

MONITORING PERSONNEL

NAME	ROLE DURING CAMPAIGN	MCERTS NO.	CERTIFICATION LEVEL	ENDORSEMENTS	Expiry Date
ADAM MAY	TEAM LEADER	MM05 - 626	LEVEL 2	TE1	March 2014
				TE3	June 2015
				TE4	March 2014
LUKE ODDY	TECHNICIAN	MM13 - 1228	LEVEL TRAINEE	-	-

Part 2

(Monitoring objectives)

OVERALL AIM OF THE MONITORING CAMPAIGN	COMPLIANCE

EMISSION POINT	POLLUTANT	FREQUENCY	EMISSION LIMIT VALUE	REFERENCE CONDITIONS	STANDARD REFERENCE METHOD	ENVIROCARE TECHNICAL PROCEDURE REFERENCE	OVERALL UNCERTAINTY
Rotoman 2 Upper	Carbon Monoxide	Annual	100	273k, 101.3kPa, WET	BS EN 15058	ETC-M-25	To be calculated upon completion of testing
	Oxides of Nitrogen	Annual	100	273k, 101.3kPa, WET	BS EN 14792	ETC-M-25	
	Total VOC's	Annual	20	273k, 101.3kPa, WET	BS EN 12619	ETC-M-03	
	Volumetric Flowrate	Annual	N/A	273k, 101.3kPa, WET	BS EN 13284	ETC-M-46	
	Moisture	Annual	N/A	N/A	US EPA M4	ETC-M-07	

EMISSION POINT	POLLUTANT	FREQUENCY	EMISSION LIMIT VALUE	REFERENCE CONDITIONS	STANDARD REFERENCE METHOD	ENVIROCARE TECHNICAL PROCEDURE REFERENCE	OVERALL UNCERTAINTY
Rotoman 2 Lower	Carbon Monoxide	Annual	100	273k, 101.3kPa, WET	BS EN 15058	ETC-M-25	To be calculated upon completion of testing
	Oxides of Nitrogen	Annual	100	273k, 101.3kPa, WET	BS EN 14792	ETC-M-25	
	Total VOC's	Annual	20	273k, 101.3kPa, WET	BS EN 12619	ETC-M-03	
	Volumetric Flowrate	Annual	N/A	273k, 101.3kPa, WET	BS EN 13284	ETC-M-46	
	Moisture	Annual	N/A	N/A	US EPA M4	ETC-M-07	

Part 2 continued

(Monitoring objectives)

EMISSION POINT	POLLUTANT	FREQUENCY	EMISSION LIMIT VALUE	REFERENCE CONDITIONS	STANDARD REFERENCE METHOD	ENVIROCARE TECHNICAL PROCEDURE REFERENCE	OVERALL UNCERTAINTY
Rotoman 3 Upper	Carbon Monoxide	Annual	100	273k, 101.3kPa, WET	BS EN 15058	ETC-M-25	To be calculated upon completion of testing
	Oxides of Nitrogen	Annual	100	273k, 101.3kPa, WET	BS EN 14792	ETC-M-25	
	Total VOC's	Annual	20	273k, 101.3kPa, WET	BS EN 12619	ETC-M-03	
	Volumetric Flowrate	Annual	N/A	273k, 101.3kPa, WET	BS EN 13284	ETC-M-46	
	Moisture	Annual	N/A	N/A	US EPA M4	ETC-M-07	

EMISSION POINT	POLLUTANT	FREQUENCY	EMISSION LIMIT VALUE	REFERENCE CONDITIONS	STANDARD REFERENCE METHOD	ENVIROCARE TECHNICAL PROCEDURE REFERENCE	OVERALL UNCERTAINTY
Rotoman 3 Lower	Carbon Monoxide	Annual	100	273k, 101.3kPa, WET	BS EN 15058	ETC-M-25	To be calculated upon completion of testing
	Oxides of Nitrogen	Annual	100	273k, 101.3kPa, WET	BS EN 14792	ETC-M-25	
	Total VOC's	Annual	20	273k, 101.3kPa, WET	BS EN 12619	ETC-M-03	
	Volumetric Flowrate	Annual	N/A	273k, 101.3kPa, WET	BS EN 13284	ETC-M-46	
	Moisture	Annual	N/A	N/A	US EPA M4	ETC-M-07	

Part 2 continued

(Monitoring objectives)

EMISSION POINT	POLLUTANT	FREQUENCY	EMISSION LIMIT VALUE	REFERENCE CONDITIONS	STANDARD REFERENCE METHOD	ENVIROCARE TECHNICAL PROCEDURE REFERENCE	OVERALL UNCERTAINTY
Lithoman 1	Carbon Monoxide	Annual	100	273k, 101.3kPa, WET	BS EN 15058	ETC-M-25	To be calculated upon completion of testing
	Oxides of Nitrogen	Annual	100	273k, 101.3kPa, WET	BS EN 14792	ETC-M-25	
	Total VOC's	Annual	20	273k, 101.3kPa, WET	BS EN 12619	ETC-M-03	
	Volumetric Flowrate	Annual	N/A	273k, 101.3kPa, WET	BS EN 13284	ETC-M-46	
	Moisture	Annual	N/A	N/A	US EPA M4	ETC-M-07	

EMISSION POINT	POLLUTANT	FREQUENCY	EMISSION LIMIT VALUE	REFERENCE CONDITIONS	STANDARD REFERENCE METHOD	ENVIROCARE TECHNICAL PROCEDURE REFERENCE	OVERALL UNCERTAINTY
Compactor	Total Particulate Matter	Annual	None	273K, 101.3kPa	MDHS 14/3	SM 05	To be calculated upon completion of testing

Part 2 continued

(Operating information)

EMISSION POINT	Rotoman 2 Upper

PROCESS TYPE	CONTINUOUS
IF BATCH PROCESS, SAMPLING DETAILS	N/A.
PROCESS DESCRIPTION	Thermal Oxidiser serving printing press
FUEL TYPE	Natural Gas
FEED STOCK	Solvent from Printing Press
NORMAL LOAD, THROUGHPUT OR CONTINUOUS RATING OF THE PLANT	Variable
UNUSUAL OCCURRENCES THAT TAKE PLACE DURING THE PROCESS	Monitoring data should not include start up and shutdown periods
COMMENTS	None
ABATEMENT SYSTEM	Thermal oxidiser
CEM SYSTEM (AND DATA INFORMATION SYSTEM)	None fitted
PROCESS DETAILS REQUIRED	Ink coverage and press speed

Part 2 continued

(Sample location)

EMISSION POINT	Rotoman 2 Upper

STACK DIMENSIONS	50cm

Description of sampling plane with Dimensions

Sampling position accessed via ladder.

All scaffolding must have an in date Scaftag.

All permanent platforms must be inspected and meet the requirements of the Workplace (Health, safety and welfare) Regulations 1992, (Regulation 13) for permanent platforms and the Health and Safety in Construction Regulations (HS(G)150) for temporary platforms.

Sketch of sampling plane with Dimensions

GENERAL REMARKS	
TYPE OF PORT	2” BSP
NUMBER OF SAMPLES LINES	1
ARRANGEMENT OF SAMPLE LINE(S)	Single
ORIENTATION OF SAMPLE LINE(S)	Horizontal
NUMBER OF SAMPLING POINTS PER LINE	1
RESULTS OF HOMOGENIETY TEST	N/A
COMPLIANCE WITH BS EN 15259 & EA TGN M1	N/A

Pitot Traverse Details – from Report 5319v2

Single Port					
Position	Velocity (m/s)	Temperature (°C)			
0.05D	10.9	333			
0.15D	10.7	333			
0.25D	6.5	333			
0.35D	6.4	333			
0.45D	6.8	333			
0.55D	7.1	333			
0.65D	6.5	333			
0.75D	5.8	333			
0.85D	5.8	333			
0.95D	6.1	333			

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 2 Upper

INSTRUMENTAL TECHNIQUES	VOC's	O_2	CO	CO_2	SO_2	NO_x
EXPECTED EMISSION VALUE	5 mg/Nm^3	-	55 mg/Nm^3	-	-	55 mg/Nm^3
EQUIPMENT		-	Horiba PG250	-	-	Horiba PG250
SAMPLING DURATION	1 hour	-	1 hour	-	-	1 hour
SPAN GAS CONC.	9.74ppm	-	80.56ppm	-	-	49.62ppm
MEASUREMENT RANGE	0-40ppm	-	0-250ppm	-	-	0-200ppm
LOWER DETECTION LIMIT	0.1 ppm	-	0.8 ppm	-	-	0.8 ppm
ACCREDITATION	MCERTS	-	MCERTS	-	-	MCERTS
MANUAL TECHNIQUES	**PARTICULATES**	**MOISTURE**	**SPECIATED VOC'S**	**HEAVY METALS**	**MERCURY**	**HCL**
EXPECTED EMISSION VALUE	-	6.5%	-	-	-	-
EQUIPMENT	-	SKC + Silica Gel	-	-	-	-
SAMPLING DURATION / NO. SAMPLES INC BLANKS	-	30 mins/1	-	-	-	-
PROPOSED SAMPLE FLOW RATE	-	1l/min	-	-	-	-
VOLUME / MINIMUM SAMPLING TIME	-	15mins	-	-	-	-
ENVIROCARE'S ACCREDITATION	-	ISO 17025	-	-	-	-
ANALYTICAL TECHNIQUE	-	Gravimetric	-	-	-	-
LABORATORY	-	In house	-	-	-	-
LABORATORIES ACCREDITATION	-	ISO 17025	-	-	-	-

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 2 Upper

ANY MODIFICATIONS TO THE TECHNICAL PROCEDURE	None
JUSTIFICATIONS FOR THE MODIFICATION	N/A
ANY RESULTING CHANGES TO THE UNCERTAINTIES	N/A

IF ANY SUBSTANCES(S) IN THE MONITORING OBJECTIVES WILL NOT BE MONITORED, EXPLAIN	N/A

IF APPLICABLE WHY ANY SUBSTANCE(S) WILL NOT BE MONITORED IN ACCORDANCE WITH THE MONITORING METHOD	N/A

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 2 Lower

PROCESS TYPE	CONTINUOUS
IF BATCH PROCESS, SAMPLING DETAILS	N/A.
PROCESS DESCRIPTION	Thermal Oxidiser serving printing press
FUEL TYPE	Natural Gas
FEED STOCK	Solvent from Printing Press
NORMAL LOAD, THROUGHPUT OR CONTINUOUS RATING OF THE PLANT	Variable
UNUSUAL OCCURRENCES THAT TAKE PLACE DURING THE PROCESS	Monitoring data should not include start up and shutdown periods
COMMENTS	None
ABATEMENT SYSTEM	Thermal oxidiser
CEM SYSTEM (AND DATA INFORMATION SYSTEM)	None fitted
PROCESS DETAILS REQUIRED	Ink coverage and press speed

Part 2 continued

(Sample location)

EMISSION POINT	Rotoman 2 Lower

STACK DIMENSIONS	50cm

Description of sampling plane with Dimensions

Sampling position accessed via ladder.

All scaffolding must have an in date Scaftag.

All permanent platforms must be inspected and meet the requirements of the Workplace (Health, safety and welfare) Regulations 1992, (Regulation 13) for permanent platforms and the Health and Safety in Construction Regulations (HS(G)150) for temporary platforms.

Sketch of sampling plane with Dimensions

GENERAL REMARKS

TYPE OF PORT	2” BSP
NUMBER OF SAMPLES LINES	1
ARRANGEMENT OF SAMPLE LINE(S)	Single
ORIENTATION OF SAMPLE LINE(S)	Horizontal
NUMBER OF SAMPLING POINTS PER LINE	1
RESULTS OF HOMOGENIETY TEST	N/A
COMPLIANCE WITH BS EN 15259 & EA TGN M1	N/A

Pitot Traverse Details – from Report 5319v2

Single Port					
Position	Velocity (m/s)	Temperature (°C)			
0.05D	11.2	357			
0.15D	11.6	357			
0.25D	11.3	357			
0.35D	11.0	357			
0.45D	10.2	357			
0.55D	9.4	357			
0.65D	11.2	357			
0.75D	11.7	357			
0.85D	11.2	357			
0.95D	9.9	357			

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 2 Lower

INSTRUMENTAL TECHNIQUES	VOC's	O_2	CO	CO_2	SO_2	NO_x
EXPECTED EMISSION VALUE	3 mg/Nm^3	-	50 mg/Nm^3	-	-	60 mg/Nm^3
EQUIPMENT		-	Horiba PG250	-	-	Horiba PG250
SAMPLING DURATION	1 hour	-	1 hour	-	-	1 hour
SPAN GAS CONC.	9.74ppm	-	80.56ppm	-	-	49.62ppm
MEASUREMENT RANGE	0-40ppm	-	0-250ppm	-	-	0-200ppm
LOWER DETECTION LIMIT	0.1 ppm	-	0.8 ppm	-	-	0.8 ppm
ACCREDITATION	MCERTS	-	MCERTS	-	-	MCERTS
MANUAL TECHNIQUES	**PARTICULATES**	**MOISTURE**	**SPECIATED VOC'S**	**HEAVY METALS**	**MERCURY**	**HCL**
EXPECTED EMISSION VALUE	-	5%	-	-	-	-
EQUIPMENT	-	SKC + Silica Gel	-	-	-	-
SAMPLING DURATION / NO. SAMPLES INC BLANKS	-	30 mins/1	-	-	-	-
PROPOSED SAMPLE FLOW RATE	-	1l/min	-	-	-	-
VOLUME / MINIMUM SAMPLING TIME	-	15mins	-	-	-	-
ENVIROCARE'S ACCREDITATION	-	ISO 17025	-	-	-	-
ANALYTICAL TECHNIQUE	-	Gravimetric	-	-	-	-
LABORATORY		In house				
LABORATORIES ACCREDITATION		ISO 17025				

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 2 Lower

ANY MODIFICATIONS TO THE TECHNICAL PROCEDURE	None
JUSTIFICATIONS FOR THE MODIFICATION	N/A
ANY RESULTING CHANGES TO THE UNCERTAINTIES	N/A

IF ANY SUBSTANCES(S) IN THE MONITORING OBJECTIVES WILL NOT BE MONITORED, EXPLAIN	N/A

IF APPLICABLE WHY ANY SUBSTANCE(S) WILL NOT BE MONITORED IN ACCORDANCE WITH THE MONITORING METHOD	N/A

Part 2 continued

(Operating information)

EMISSION POINT	Rotoman 3 Upper

PROCESS TYPE	CONTINUOUS
IF BATCH PROCESS, SAMPLING DETAILS	N/A.
PROCESS DESCRIPTION	Thermal Oxidiser serving printing press
FUEL TYPE	Natural Gas
FEED STOCK	Solvent from Printing Press
NORMAL LOAD, THROUGHPUT OR CONTINUOUS RATING OF THE PLANT	Variable
UNUSUAL OCCURRENCES THAT TAKE PLACE DURING THE PROCESS	Monitoring data should not include start up and shutdown periods
COMMENTS	None
ABATEMENT SYSTEM	Thermal oxidiser
CEM SYSTEM (AND DATA INFORMATION SYSTEM)	None fitted
PROCESS DETAILS REQUIRED	Ink coverage and press speed

Part 2 continued

(Sample location)

EMISSION POINT	Rotoman 3 Upper

STACK DIMENSIONS	50cm

Description of sampling plane with Dimensions

Sampling position accessed via ladder.

All scaffolding must have an in date Scaftag.

All permanent platforms must be inspected and meet the requirements of the Workplace (Health, safety and welfare) Regulations 1992, (Regulation 13) for permanent platforms and the Health and Safety in Construction Regulations (HS(G)150) for temporary platforms.

Sketch of sampling plane with Dimensions

GENERAL REMARKS	
TYPE OF PORT	2” BSP
NUMBER OF SAMPLES LINES	1
ARRANGEMENT OF SAMPLE LINE(S)	Single
ORIENTATION OF SAMPLE LINE(S)	Horizontal
NUMBER OF SAMPLING POINTS PER LINE	1
RESULTS OF HOMOGENIETY TEST	N/A
COMPLIANCE WITH BS EN 15259 & EA TGN M1	N/A

Pitot Traverse Details – from Report 5319v2

Single Port					
Position	Velocity (m/s)	Temperature (°C)			
0.05D	16.4	358			
0.15D	15.7	358			
0.25D	15.2	358			
0.35D	11.9	358			
0.45D	10.7	358			
0.55D	10.8	358			
0.65D	10.6	358			
0.75D	11.3	358			
0.85D	11.2	358			
0.95D	11.7	358			

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 3 Upper

INSTRUMENTAL TECHNIQUES	VOC's	O_2	CO	CO_2	SO_2	NO_x
EXPECTED EMISSION VALUE	2 mg/Nm^3	-	60 mg/Nm^3	-	-	55 mg/Nm^3
EQUIPMENT		-	Horiba PG250	-	-	Horiba PG250
SAMPLING DURATION	1 hour	-	1 hour	-	-	1 hour
SPAN GAS CONC.	9.74ppm	-	80.56ppm	-	-	49.62ppm
MEASUREMENT RANGE	0-40ppm	-	0-250ppm	-	-	0-200ppm
LOWER DETECTION LIMIT	0.1 ppm	-	0.8 ppm	-	-	0.8 ppm
ACCREDITATION	MCERTS	-	MCERTS	-	-	MCERTS
MANUAL TECHNIQUES	**PARTICULATES**	**MOISTURE**	**SPECIATED VOC'S**	**HEAVY METALS**	**MERCURY**	**HCL**
EXPECTED EMISSION VALUE	-	7%	-	-	-	-
EQUIPMENT	-	SKC + Silica Gel	-	-	-	-
SAMPLING DURATION / NO. SAMPLES INC BLANKS	-	30 mins/1	-	-	-	-
PROPOSED SAMPLE FLOW RATE	-	1l/min	-	-	-	-
VOLUME / MINIMUM SAMPLING TIME	-	15mins	-	-	-	-
ENVIROCARE'S ACCREDITATION	-	ISO 17025	-	-	-	-
ANALYTICAL TECHNIQUE	-	Gravimetric	-	-	-	-
LABORATORY	-	In house	-	-	-	-
LABORATORIES ACCREDITATION	-	ISO 17025	-	-	-	-

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 3 Upper

ANY MODIFICATIONS TO THE TECHNICAL PROCEDURE	None
JUSTIFICATIONS FOR THE MODIFICATION	N/A
ANY RESULTING CHANGES TO THE UNCERTAINTIES	N/A

IF ANY SUBSTANCES(S) IN THE MONITORING OBJECTIVES WILL NOT BE MONITORED, EXPLAIN	N/A

IF APPLICABLE WHY ANY SUBSTANCE(S) WILL NOT BE MONITORED IN ACCORDANCE WITH THE MONITORING METHOD	N/A

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 3 Lower

PROCESS TYPE	CONTINUOUS
IF BATCH PROCESS, SAMPLING DETAILS	N/A.
PROCESS DESCRIPTION	Thermal Oxidiser serving printing press
FUEL TYPE	Natural Gas
FEED STOCK	Solvent from Printing Press
NORMAL LOAD, THROUGHPUT OR CONTINUOUS RATING OF THE PLANT	Variable
UNUSUAL OCCURRENCES THAT TAKE PLACE DURING THE PROCESS	Monitoring data should not include start up and shutdown periods
COMMENTS	None
ABATEMENT SYSTEM	Thermal oxidiser
CEM SYSTEM (AND DATA INFORMATION SYSTEM)	None fitted
PROCESS DETAILS REQUIRED	Ink coverage and press speed

Part 2 continued

(Sample location)

EMISSION POINT	Rotoman 3 Lower

STACK DIMENSIONS	50cm

Description of sampling plane with Dimensions

Sampling position accessed via ladder.

All scaffolding must have an in date Scaftag.

All permanent platforms must be inspected and meet the requirements of the Workplace (Health, safety and welfare) Regulations 1992, (Regulation 13) for permanent platforms and the Health and Safety in Construction Regulations (HS(G)150) for temporary platforms.

Sketch of sampling plane with Dimensions

GENERAL REMARKS	
TYPE OF PORT	2” BSP
NUMBER OF SAMPLES LINES	1
ARRANGEMENT OF SAMPLE LINE(S)	Single
ORIENTATION OF SAMPLE LINE(S)	Horizontal
NUMBER OF SAMPLING POINTS PER LINE	1
RESULTS OF HOMOGENIETY TEST	N/A
COMPLIANCE WITH BS EN 15259 & EA TGN M1	N/A

Pitot Traverse Details – from Report 5319v2

Single Port					
Position	Velocity (m/s)	Temperature (°C)			
0.05D	13.1	359			
0.15D	13.7	359			
0.25D	13.4	359			
0.35D	13.2	359			
0.45D	13.1	359			
0.55D	13.0	359			
0.65D	13.1	359			
0.75D	12.5	359			
0.85D	12.2	359			
0.95D	11.9	359			

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 3 Lower

INSTRUMENTAL TECHNIQUES	VOC's	O_2	CO	CO_2	SO_2	NO_x
EXPECTED EMISSION VALUE	2 mg/Nm^3	-	60 mg/Nm^3	-	-	50 mg/Nm^3
EQUIPMENT		-	Horiba PG250	-	-	Horiba PG250
SAMPLING DURATION	1 hour	-	1 hour	-	-	1 hour
SPAN GAS CONC.	9.74ppm	-	80.56ppm	-	-	49.62ppm
MEASUREMENT RANGE	0-40ppm	-	0-250ppm	-	-	0-200ppm
LOWER DETECTION LIMIT	0.1 ppm	-	0.8 ppm	-	-	0.8 ppm
ACCREDITATION	MCERTS	-	MCERTS	-	-	MCERTS
MANUAL TECHNIQUES	**PARTICULATES**	**MOISTURE**	**SPECIATED VOC'S**	**HEAVY METALS**	**MERCURY**	**HCL**
EXPECTED EMISSION VALUE	-	7%	-	-	-	-
EQUIPMENT	-	SKC + Silica Gel	-	-	-	-
SAMPLING DURATION / NO. SAMPLES INC BLANKS	-	30 mins/1	-	-	-	-
PROPOSED SAMPLE FLOW RATE	-	1l/min	-	-	-	-
VOLUME / MINIMUM SAMPLING TIME	-	15mins	-	-	-	-
ENVIROCARE'S ACCREDITATION	-	ISO 17025	-	-	-	-
ANALYTICAL TECHNIQUE	-	Gravimetric	-	-	-	-
LABORATORY	-	In house	-	-	-	-
LABORATORIES ACCREDITATION	-	ISO 17025	-	-	-	-

Part 2 continued

(Details of monitoring)

EMISSION POINT	Rotoman 3 Lower

ANY MODIFICATIONS TO THE TECHNICAL PROCEDURE	None
JUSTIFICATIONS FOR THE MODIFICATION	N/A
ANY RESULTING CHANGES TO THE UNCERTAINTIES	N/A

IF ANY SUBSTANCES(S) IN THE MONITORING OBJECTIVES WILL NOT BE MONITORED, EXPLAIN	N/A

IF APPLICABLE WHY ANY SUBSTANCE(S) WILL NOT BE MONITORED IN ACCORDANCE WITH THE MONITORING METHOD	N/A

Part 2 continued

(Operating information)

EMISSION POINT	Lithoman 1

PROCESS TYPE	CONTINUOUS
IF BATCH PROCESS, SAMPLING DETAILS	N/A.
PROCESS DESCRIPTION	Thermal Oxidiser serving printing press
FUEL TYPE	Natural Gas
FEED STOCK	Solvent from Printing Press
NORMAL LOAD, THROUGHPUT OR CONTINUOUS RATING OF THE PLANT	Variable
UNUSUAL OCCURRENCES THAT TAKE PLACE DURING THE PROCESS	Monitoring data should not include start up and shutdown periods
COMMENTS	None
ABATEMENT SYSTEM	Thermal oxidiser
CEM SYSTEM (AND DATA INFORMATION SYSTEM)	None fitted
PROCESS DETAILS REQUIRED	Ink coverage and press speed

Part 2 continued

(Sample location)

EMISSION POINT	Lithoman 1

STACK DIMENSIONS	55cm

Description of sampling plane with Dimensions

Sampling position accessed via ladder.

All scaffolding must have an in date Scaftag.

All permanent platforms must be inspected and meet the requirements of the Workplace (Health, safety and welfare) Regulations 1992, (Regulation 13) for permanent platforms and the Health and Safety in Construction Regulations (HS(G)150) for temporary platforms.

Sketch of sampling plane with Dimensions

GENERAL REMARKS	
TYPE OF PORT	2” BSP
NUMBER OF SAMPLES LINES	1
ARRANGEMENT OF SAMPLE LINE(S)	Single
ORIENTATION OF SAMPLE LINE(S)	Horizontal
NUMBER OF SAMPLING POINTS PER LINE	1
RESULTS OF HOMOGENIETY TEST	N/A
COMPLIANCE WITH BS EN 15259 & EA TGN M1	N/A

Pitot Traverse Details – from Report 5319v2

Single Port					
Position	Velocity (m/s)	Temperature (°C)			
0.05D	14.8	362			
0.15D	15.4	362			
0.25D	17.1	362			
0.35D	19.5	362			
0.45D	19.2	362			
0.55D	15.1	362			
0.65D	11.1	362			
0.75D	4.1	362			
0.85D	0.0	362			
0.95D	18.2	362			

Part 2 continued

(Details of monitoring)

EMISSION POINT	Lithoman 1

INSTRUMENTAL TECHNIQUES	VOC's	O_2	CO	CO_2	SO_2	NO_x
EXPECTED EMISSION VALUE	<1 mg/Nm^3	-	65 mg/Nm^3	-	-	50 mg/Nm^3
EQUIPMENT		-	Horiba PG250	-	-	Horiba PG250
SAMPLING DURATION	1 hour	-	1 hour	-	-	1 hour
SPAN GAS CONC.	9.74ppm	-	80.56ppm	-	-	49.62ppm
MEASUREMENT RANGE	0-40ppm	-	0-250ppm	-	-	0-200ppm
LOWER DETECTION LIMIT	0.1 ppm	-	0.8 ppm	-	-	0.8 ppm
ACCREDITATION	MCERTS	-	MCERTS	-	-	MCERTS
MANUAL TECHNIQUES	**PARTICULATES**	**MOISTURE**	**SPECIATED VOC'S**	**HEAVY METALS**	**MERCURY**	**HCL**
EXPECTED EMISSION VALUE	-	8.5%	-	-	-	-
EQUIPMENT	-	SKC + Silica Gel	-	-	-	-
SAMPLING DURATION / NO. SAMPLES INC BLANKS	-	30 mins/1	-	-	-	-
PROPOSED SAMPLE FLOW RATE	-	1l/min	-	-	-	-
VOLUME / MINIMUM SAMPLING TIME	-	15mins	-	-	-	-
ENVIROCARE'S ACCREDITATION	-	ISO 17025	-	-	-	-
ANALYTICAL TECHNIQUE	-	Gravimetric	-	-	-	-
LABORATORY	-	In house	-	-	-	-
LABORATORIES ACCREDITATION	-	ISO 17025	-	-	-	-

Part 2 continued

(Details of monitoring)

EMISSION POINT	Lithoman 1

ANY MODIFICATIONS TO THE TECHNICAL PROCEDURE	None
JUSTIFICATIONS FOR THE MODIFICATION	N/A
ANY RESULTING CHANGES TO THE UNCERTAINTIES	N/A

IF ANY SUBSTANCES(S) IN THE MONITORING OBJECTIVES WILL NOT BE MONITORED, EXPLAIN	N/A

IF APPLICABLE WHY ANY SUBSTANCE(S) WILL NOT BE MONITORED IN ACCORDANCE WITH THE MONITORING METHOD	N/A

Part 2 continued

(Operating information)

EMISSION POINT	Compactor

PROCESS TYPE	CONTINUOUS
IF BATCH PROCESS, SAMPLING DETAILS	N/A
PROCESS DESCRIPTION	Compactor taking offcuts from the binding of the product
FUEL TYPE	None
FEED STOCK	Waste Paper
NORMAL LOAD, THROUGHPUT OR CONTINUOUS RATING OF THE PLANT	Variable
UNUSUAL OCCURRENCES THAT TAKE PLACE DURING THE PROCESS	Monitoring data should not include start up and shutdown periods
COMMENTS	None
ABATEMENT SYSTEM	None
CEM SYSTEM (AND DATA INFORMATION SYSTEM)	None Fitted
PROCESS DETAILS REQUIRED	None

Part 2 continued

(Sample location)

EMISSION POINT	Compactor

STACK DIMENSIONS	
Description of sampling plane with Dimensions Sampling position is accessed using a MEWP.	

GENERAL REMARKS	
TYPE OF PORT	2” BSP
NUMBER OF SAMPLES LINES	1
ARRANGEMENT OF SAMPLE LINE(S)	Single
ORIENTATION OF SAMPLE LINE(S)	Horizontal
NUMBER OF SAMPLING POINTS PER LINE	1
RESULTS OF HOMOGENIETY TEST	N/A
COMPLIANCE WITH BS EN 15259 & EA TGN M1	N/A

Sketch of sampling plane with Dimensions

Part 2 continued

(Details of monitoring)

EMISSION POINT	Compactor

INSTRUMENTAL TECHNIQUES	VOC's	O_2	CO	CO_2	SO_2	NO_x
EXPECTED EMISSION VALUE	-	-	-	-	-	-
EQUIPMENT	-	-	-	-	-	-
SAMPLING DURATION	-	-	-	-	-	-
SPAN GAS CONC.	-	-	-	-	-	-
MEASUREMENT RANGE	-	-	-	-	-	-
LOWER DETECTION LIMIT	-	-	-	-	-	-
ACCREDITATION	-	-	-	-	-	-
MANUAL TECHNIQUES	**PARTICULATES**	**MOISTURE**				
EXPECTED EMISSION VALUE	2 mg/Nm^3	-				
EQUIPMENT	SKC Universal	-				
SAMPLING DURATION / NO. SAMPLES INC BLANKS	4 x 4hours	-				
PROPOSED SAMPLE FLOW RATE	2 l/min	-				
VOLUME / MINIMUM SAMPLING TIME	2 hours	-				
ENVIROCARE'S ACCREDITATION	None	-				
ANALYTICAL TECHNIQUE	Gravimetric	-				
LABORATORY	In-house	-				
LABORATORIES ACCREDITATION	ISO 17025	-				

Part 2 continued

(Details of monitoring)

EMISSION POINT	Compactor

ANY MODIFICATIONS TO THE TECHNICAL PROCEDURE	None
JUSTIFICATIONS FOR THE MODIFICATION	N/A
ANY RESULTING CHANGES TO THE UNCERTAINTIES	N/A

IF ANY SUBSTANCES(S) IN THE MONITORING OBJECTIVES WILL NOT BE MONITORED, EXPLAIN	N/A

IF APPLICABLE WHY ANY SUBSTANCE(S) WILL NOT BE MONITORED IN ACCORDANCE WITH THE MONITORING METHOD	N/A

Part 2 continued

(Contract review)

Changes to original Scope of Work or Budget review

REVIEW / CHANGE DATE	DETAILS	ADDITIONAL COSTS Y / N	CONFIRMED IN WRITING (DATE & LETTER REFERENCE)	SIGNED

DECLARATION

Site Specific Protocol completed

	Part 1	Part 2 (Monitoring objectives)	Part 2 (Operating Information)	Part 2 (Sample Location)	Part 2 (Details of Monitoring)
Completed	✓	✓	✓	✓	✓

SSP Approved By Level 2	
Name	Adam May
Position	Team Leader
MCERTS Level	Level 2 (TE1, TE3, TE4)
MCERTS N°	MM 05 626
Signed	

SSP Accepted By Client	
Client Name	
Client Signature	
Date	
The SSP can be approved by either replying to the original email that contained this document or stating that all details are correct or by printing this last page, signing above and returning to the team leader.	