



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

**The CSWDC Waste to Energy
Plant
The Coventry & Solihull Waste
Disposal Company Ltd
Bar Road
Coventry
West Midlands
CV3 4AN.**

**Variation Notice Number
MP3338UN**

**Permit number
NP3739PD**

C&SWDC Limited

Permit Number NP3739PD

Introductory note

This introductory note does not form a part of the permit

The following notice is issued under regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a permit issued under the Regulations to operate [part of] an installation. The notice comprises Schedule 1 containing conditions to be deleted, Schedule 2 conditions to be amended and Schedule 3 conditions to be added.

Brief description of the changes introduced by this variation notice.

This Agency initiated minor variation changes the periodic emission limit values for particulate matter, hydrogen chloride, sulphur dioxide and oxides of nitrogen. The values in each case are now the same as the half hourly averages from the continuous emissions monitors. These changes were made following an appeal against the limits in table 2.2.2 of the original permit by an operator and a subsequent review of the Environment Agency policy.

Status Log of the permit		
Detail	Date	Response Date
Application NP3739PD	Received 18/03/2005	
Response to request for information	Request dated 10/05/2005	Response dated 08/07/2005
Response to request for further information	E mailed request dated 09/09/2005	Response dated 20/09/2005
Permit determined	20/12/2005	
Variation MP3338UN	29/03/2007	Determined 18/04/2007

End of Introductory Note

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000

Variation Notice

Permit number
NP3739PD
Variation number
MP3338UN

The Environment Agency (the Agency) in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby varies the permit held by you

The Coventry & Solihull Waste Disposal Company Ltd (“the Operator”),
whose registered office (or principal office) is

Bar Road, Coventry, West Midlands, CV3 4AN.

company registration number **2690488**

to operate an installation at
**The CSWDC Waste to Energy Plant, Bar Road, Coventry,
West Midlands, CV3 4AN.**

to the extent set out in Schedules 1 to 3 of this Variation Notice.
The notice shall take effect from 19 April 2007

Signed	Date

R A Wynne
Authorised to sign on behalf of the Agency

SCHEDULE 1 – CONDITIONS TO BE DELETED

1.1) None

SCHEDULE 2 – CONDITIONS TO BE AMENDED

2.1) Table 2.2.2 shall be amended as follows :-

Table 2.2.2 : Emission limits to air and monitoring during normal operation				
Emission point reference	Parameter	Limit (including Reference Period)¹	Monitoring frequency	Monitoring method
A1, A2, A3	Particulate matter	30 mg/m ³ ½-hr average	Continuous measurement	BS EN 13284-2 ^{6, 8}
A1, A2, A3	Particulate matter	10 mg/m ³ daily average	Continuous measurement	BS EN 13284-2 ^{6, 8}
A1, A2, A3	Particulate matter	30 mg/m ³ periodic over minimum 1-hour period	Bi-annual	BS EN 13284-1
A1, A2, A3	Total Organic Carbon (TOC)	20 mg/m ³ ½-hr average	Continuous measurement	BS EN 12619 ^{6, 8}
A1, A2, A3	Total Organic Carbon (TOC)	10 mg/m ³ daily average	Continuous measurement	BS EN 12619 ^{6, 8}
A1, A2, A3	Total Organic Carbon (TOC)	20 mg/m ³ periodic over minimum 1-hour period	Bi-annual	BS EN 12619
A1, A2, A3	Hydrogen chloride	60 mg/m ³ ½-hr average	Continuous measurement	MCERTS certified instruments ^{7, 9}
A1, A2, A3	Hydrogen chloride	10 mg/m ³ daily average	Continuous measurement	MCERTS certified instruments ^{7, 9}
A1, A2, A3	Hydrogen chloride	60 mg/m ³ periodic over minimum 1-hour period	Bi-annual	BS EN 1911
A1, A2, A3	Hydrogen fluoride	2 mg/m ³ periodic over minimum 1-hour period	Bi-annual	USEPA Method 26/26A
A1, A2, A3	Carbon monoxide	100 mg/m ³ ½-hr average	Continuous measurement	ISO 12039 ^{4, 8}
A1, A2, A3	Carbon monoxide	50 mg/m ³ daily average	Continuous measurement	ISO 12039 ^{4, 8}

Table 2.2.2 : Emission limits to air and monitoring during normal operation

Emission point reference	Parameter	Limit (including Reference Period) ¹	Monitoring frequency	Monitoring method
A1, A2, A3	Carbon monoxide	100 mg/m ³ periodic over minimum 4-hour period.	Bi-annual	ISO 12039
A1, A2, A3	Sulphur dioxide	200 mg/m ³ ½-hour average	Continuous measurement	BS 6069-4.4 ^{5; 8}
A1, A2, A3	Sulphur dioxide	50 mg/m ³ daily average	Continuous measurement	BS 6069-4.4 ^{5; 8}
A1, A2, A3	Sulphur dioxide	200 mg/m ³ periodic over minimum 4 hour period	Bi-annual	BS 6069-4.1
A1, A2, A3	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) ¹⁰	400 mg/m ³ ½-hour average	Continuous measurement	ISO 10849 ^{5; 8}
A1, A2, A3	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) ¹⁰	200 mg/m ³ daily average	Continuous measurement	ISO 10849 ^{5; 8}
A1, A2, A3	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂) ¹⁰	400 mg/m ³ periodic over minimum 4 hour period.	Bi-annual	ISO 10849 or BS ISO 11564
A1, A2, A3	Cadmium & thallium and their compounds (total) ²	0.05 mg/m ³ periodic over minimum 30 minute, maximum 8 hour period	Quarterly	BS EN 14385
A1, A2, A3	Mercury and its compounds ²	0.05 mg/m ³ periodic over minimum 30 minute, maximum 8 hour period	Quarterly	BS EN 13211
A1, A2, A3	Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total) ²	0.5 mg/m ³ periodic over minimum 30 minute, maximum 8 hour period	Quarterly.	BS EN 14385
A1, A2, A3	Dioxins / furans (I-TEQ)	0.1 ng/m ³ periodic over minimum 6 hours, maximum 8 hour period ³	Bi-annual	BS EN 1948

Note 1: See Section 6 for reference conditions

Note 2: Metals include gaseous, vapour and solid phases as well as their compounds (expressed as the metal or the sum of the metals as specified). Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V mean antimony, arsenic, lead, chromium, cobalt, copper, manganese, nickel and vanadium respectively.

Note 3: The I-TEQ sum of the equivalence factors to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum.

Note 4: The Continuous Emission Monitors used shall be such that the values of the 95% confidence intervals of a single measured result at the daily emission limit value shall not exceed 10%. Valid half-hourly average values shall be determined within the effective operating time (excluding the start-up and shut-down periods) from the measured values after having subtracted this value of the confidence interval (10%). Where it is necessary to calibrate or maintain the monitor and this means that data is not available for a complete half-hour period, the half-hourly average shall nonetheless be considered valid if measurements are available for a minimum of 20 minutes during the half-hour period. (The number of half-hourly averages so validated shall not exceed 8 per day). Daily average values shall be determined as the average of all the valid half-hourly average values within a calendar day. The daily average value will be considered valid if no more than five half-hourly average values in any day have been determined not to be valid. No more than ten daily average values per year shall be determined not to be valid.

Note 5: As Note 4, except that the value of the confidence interval is 20% in place of 10%.

Note 6: As Note 4, except that the value of the confidence interval is 30% in place of 10%.

Note 7: As Note 4, except that the value of the confidence interval is 40% in place of 10%.

Note 8: MCERTS certification to the appropriate ranges and determinands is a demonstration of compliance to the applicable standards.

Note 9: The certification range for MCERTS equipment should be 1.5 times the daily emission limit value. The CEM shall also be able to measure instantaneous values over the ranges that are to be expected during all operating conditions. If it is necessary to use more than one range setting of the CEM to achieve this requirement, the CEM shall be verified for monitoring supplementary, higher ranges.

Note 10: Measurement of NO followed by multiplication by 1.05 can be substituted for measurement of all oxides of nitrogen.

SCHEDULE 3 – CONDITIONS TO BE ADDED

3.1) None