Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

SITA UK Limited

Wrexham Clinical Waste Incinerator
Marlborough Road
Wrexham Industrial Estate
Wrexham
LL13 9RJ

Variation application number

EPR/MP3239FQ/V002

Permit number

EPR/MP3239FQ

Wrexham Clinical Waste Incinerator
Permit number EPR/MP3239FQ

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

In accordance with the operator's application this variation changes the emission limit value for CO from 100 mg/m^3 (½-hour average) to 150 mg/m^3 (95% of all 10-minute averages in any 24-hour period).

As a result of the Environment Agency initiated variation, Schedule 6 – List of Permitted Wastes has been amended by the Environment Agency. The references to HSAC A to E groups have been removed and replaced by the references to clinical and non-clinical waste in accordance with the updated guidance on Safe Management of Healthcare Waste, Version 1.0. Most of the EWC codes ending - 99 have been removed from the permit and the remaining ones have a more specific description. Three new improvement requirements regarding waste acceptance procedures have been added and the complied conditions removed. The new conditions bring the permit up to date and ensure it conforms with the requirements set in the revised Environment Agency Guidance Document EPR 5.07 on Clinical Waste.

The schedules specify the changes made to the original permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	**Date**	**Comments**
Application AP3538SM (EPR/AP3538SM/A001)	Duly made 21/03/05	
Additional information received	06/09/05	
Additional information received	08/12/05	
Permit determined (EPR/AP3538SM)	14/12/05	
Variation application GP3335MA (EPR/AP3538SM/V002)	Duly Made 17/10/06	
Variation Notice issued (EPR/AP3538SM)	15/12/06	
Variation Notice VP3739XC issued (EPR/AP3538SM)	22/01/08	
Application EPR/MP3239FQ/T001 (full transfer of permit AP3538SM)	Duly Made 13/04/11	Application to transfer the permit in full to SITA UK Limited.
Transfer determined EPR/MP3239FQ	12/05/11	Full transfer of permit complete.
Variation application EPR/MP3239FQ/V002	Duly made 12/05/11	Application to vary the permit
Variation determined EPR/MP3239FQ	20/10/11	Varied permit issued.

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number
EPR/MP3239FQ

issued to:
SITA UK Limited ("the operator")

whose registered office is

SITA House
Grenfell Road
Maidenhead
Berkshire
SL6 1ES

company registration number 02291198

to operate a regulated facility at

Wrexham Clinical Waste Incinerator
Marlborough Road
Wrexham Industrial Estate
Wrexham
LL13 9RJ

to the extent set out in the schedules.

The notice shall take effect from 21/10/2011.

Name	Date
Thomas Ruffell	**20/10/2011**

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator.

Table 2.1.1 as referenced by condition 2.1.1 is amended as follows.

Table 2.1.1: Operating techniques

Description	Parts	Date Received
Application	Information found in sections 2.1 and 2.2 of the main application	21/03/05
Request for further information	Information on process for disposal of fluids arising from the walking floor in feed	08/12/05
Request for further information	Information relating to compliance with WID with regard to emissions and monitoring	06/09/05
Application for variation GP3335MA	All	15/09/06
Variation Application	Section C2 of the application, and associated appendices	10/12/07
Application for variation EPR/MP3239FQ/V002	All	12/05/11

Table 2.2.2 as referenced by condition 2.2.1.3 is 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	Particulate matter	30 mg/m^3 ½-hr average	Continuous measurement	BS EN 13284-2 [6 8]
A1	Particulate matter	10 mg/m^3 daily average	Continuous measurement	BS EN 13284-2 [6 8]
A1	Particulate matter	20 mg/m^3 periodic over minimum 1-hour period	Bi-annual	BS EN 13284-1
A1	Total Organic Carbon (TOC)	20 mg/m^3 ½-hr average	Continuous measurement	BS EN 12619 [6 8]
A1	Total Organic Carbon (TOC)	10 mg/m^3 daily average	Continuous measurement	BS EN 12619 [6 8]
A1	Total Organic Carbon (TOC)	20 mg/m^3 periodic over minimum 1-hour period	Bi-annual	BS EN 12619
A1	Hydrogen chloride	60 mg/m^3 ½-hr average	Continuous measurement	MCERTS certified instruments [7 9]
A1	Hydrogen chloride	10 mg/m^3 daily average	Continuous measurement	MCERTS certified instruments [7 9]
A1	Hydrogen chloride	30 mg/m^3 periodic over minimum 1-hour period	Bi-annual [10]	BS EN 1911
A1	Hydrogen fluoride	2 mg/m^3 periodic over minimum 1-hour period	Bi-annual	BS EN 1911
A1	Carbon monoxide	150 mg/m^3 95% of all 10-minute averages in any 24-hour period	Continuous measurement	ISO 12039 [4 8]
A1	Carbon monoxide	50 mg/m^3 daily average	Continuous measurement	ISO 12039 [4 8]
A1	Carbon monoxide	100 mg/m^3 periodic over minimum 4 hour period, data to be reported as ½-hour averages	Bi-annual	ISO 12039
A1	Sulphur	200 mg/m^3	Continuous	BS ISO 11632 [5 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**
	dioxide	½-hr average	measurement	
A1	Sulphur dioxide	50 mg/m^3 daily average	Continuous measurement	BS ISO 11632[5 8]
A1	Sulphur dioxide	200 mg/m^3 periodic over minimum 4 hour period, data to be reported as ½ hour averages	Bi-annual	BS ISO 11632[5 8]
A1	Oxides of nitrogen (NO and NO_2 expressed as NO_2) [12]	400 mg/m^3 daily average	Continuous measurement	ISO 10849[5 8]
A1	Oxides of nitrogen (NO and NO_2 expressed as NO_2) [12]	400 mg/m^3 periodic over minimum 4 hour period, data to be reported as ½ hour averages	Bi-annual	ISO 10849
A1	Cadmium & thallium and their compounds (total) [2]	0.05 mg/m^3 periodic over minimum 30 minute, maximum 8 hour period	Bi-annual	BS EN 14385
A1	Mercury and its compounds [2]	0.05 mg/m^3 periodic over minimum 30 minute, maximum 8 hour period	Bi-annual	BS EN 13211
A1	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	Bi-annual	BS EN 14385
A1	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 5 or such other number justified in the Application 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.

The following conditions are amended as detailed, following an Environment Agency initiated variation.

Schedule 6 – List of Permitted Wastes as referenced by condition 2.1.3 is amended as follows.

Permitted Waste Types		
Waste type as defined in Table 2.1.2	**European Waste Catalogue Number (where available) or other specification**	**Description**
Waste from human and animal health care and/or research	18 01 03* - wastes whose collection and disposal is subject to special requirements in order to prevent infections 18 02 02* - wastes whose collection and disposal is subject to special requirements in order to prevent infections	Clinical waste category –- infectious waste, suitable for alternative treatment.
	18 01 03* and 18 01 06*/07, 18 02 02* and 18 02 05*/06	Clinical waste category –- infectious waste containing or contaminated with chemicals
Waste from human and animal health care and/or research	18 01 06* and 18 01 02/03*, 18 02 05* and 18 02 02*/03	Clinical waste category - Chemically preserved anatomical waste.
	18 01 03* or 18 02 02*	Clinical waste category – non- chemically preserved anatomical waste.
	18 01 02, 18 01 04 (excluding plaster casts and other gypsum wastes) or 18 02 03	Anatomical waste (non-clinical waste only)
Sharps	18 01 03*, 18 02 02*	Non-medicinally contaminated sharps
	20 01 99	Sharps from non-healthcare related activities only
Sharps and waste medicines and chemicals	18 01 03* and 18 01 09, 18 02 02* and 18 02 08, 18 01 03* and 18 01 08*, 18 02 02* and 18 02 07*	Medicinally contaminated sharps (not cytotoxic and cytostatic) Cytotoxic and cytostatic contaminated sharps
Waste medicines and chemicals	18 01 08* – cytotoxic and cytostatic medicines 18 01 09 – medicines other than those mentioned in 18 01 08* 18 02 07* – cytotoxic and cytostatic medicines 18 02 08 – medicines other than those mentioned in 18 02 07	Waste medicines (including out of date or out of specification medicines)
	20 01 31* – cytotoxic and cytostatic medicines 20 01 32 – medicines other than those mentioned in 20 01 31	Waste medicines (separate fractions collected from or returned from households)
	18 01 06* - chemicals consisting of or containing dangerous substances 18 02 05* - chemicals consisting of or containing dangerous substances 18 01 07 - chemicals other than those mentioned in 18 01 06 18 02 06 - chemicals other than those mentioned in 18 02 05	Waste chemicals (excluding photochemicals)

	07 05 13* - solid wastes containing dangerous substances 07 05 14 - solid wastes other than those mentioned in 07 05 13	Wastes (other than medicines) from pharmaceutical manufacture
Waste from agriculture, horticulture and food preparation and processing	02 01 02 -animal tissue waste 02 01 03 -plant tissue	Waste from agriculture, food preparation and processing
Impounded/condemned foodstuffs	02 02 02 – animal tissue waste 02 02 03 – material unsuitable for consumption or processing 02 03 04 – materials unsuitable for consumption or processing 02 05 01 - materials unsuitable for consumption or processing 02 06 01 – materials unsuitable for consumption or processing	Waste from agriculture, food preparation and processing
Discarded packaging, absorbents and filter materials associated with permitted wastes	15 01 01 - paper and cardboard packaging 15 01 02 - plastic packaging 15 01 05 - composite packaging 15 01 06 - mixed packaging 15 01 09 - textile packaging 15 01 10* - packaging containing residues of or contaminated by dangerous substances 15 02 02 absorbents, filter materials etc. contaminated by dangerous substances 15 02 03 absorbents, filter materials etc.	Waste packaging and absorbents
Scene of crime/accident materials	16 01 21* - hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	Confiscated/confidential material
Confidential material	16 02 14 - discarded equipment other than those mentioned in 16 02 09 to 16 02 13 20 01 01 paper and cardboard 20 01 10 clothes	Confiscated/confidential material
Wastes from alternative treatment processes treating healthcare wastes	19 02 03 – premixed wastes composed only of non-hazardous wastes (if landfilling not possible) 19 02 04* – premixed wastes composed of at least one hazardous waste (process failure waste)	Waste from physico/chemical treatments of waste
Prohibited plants and invasive and injurious weeds	20 02 01 biodegradable waste	Waste from agriculture, food preparation and processing
Substances and goods seized/confiscated by police/customs	20 01 99 other fractions not specified	Confiscated/confidential material
Animal faeces collected from parks/gardens	20 02 01 biodegradable waste	Waste from agriculture, food preparation and processing

Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions	20 01 99 other fractions not otherwise specified	Separately collected fractions of municipal clinical waste (not arising from healthcare and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is subject to special requirements in order to prevent infection). Fractions comprising only of non-clinical human and animal offensive/hygiene waste (not arising from healthcare and/or related research i.e. not including waste from natal care, diagnosis, treatment or prevention of disease) which is not subject to special requirements in order to prevent infection)[1]

[1] These entries are limited to those wastes that are not described, packaged, labelled or transported as infectious or clinical wastes.

Table 1.4.1 as referenced by condition 1.4.1 is amended as follows.

Table 1.4.1: Improvement programme

Reference	Requirement	Date
IC8	The Operator shall review and update the waste pre-acceptance procedures to conform with the requirements set out in section 2.2 of the Agency Guidance Document 'Clinical Waste (EPR 5.07 version 1.1)'. Upon completion of the review a summary of the revised procedures shall be submitted to the Agency.	The procedures shall be implemented by the dates set out in the Agency briefing note 'Clinical Waste Pre-acceptance Producer Briefing Note (October 2010)'
IC9	The Operator shall review and update the on-site acceptance procedures to conform with the requirements set out in section 2.2 of the Agency Guidance Document 'Clinical Waste (EPR 5.07 version 1.1)'. Upon completion of the review a summary of the revised procedures shall be submitted to the Agency.	31/01/12
IC10	The Operator shall review and update the operating procedures relating to storage, handling and dispatch of waste to conform with the requirements set out in section 3.2 of the Agency Guidance Document 'Clinical Waste (EPR 5.07 version 1.1)'. Upon completion of the review a summary of the revised procedures shall be submitted to the Agency.	31/01/12

Schedule 3 – conditions to be added

None