

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Veolia ES Leeds Limited

Leeds Recycling and Energy Recovery Facility
Former Wholesale Market Site
Cross Green
Leeds
LS9 0RJ

Variation application number

EPR/GP3334CX/V003

Permit number

EPR/GP3334CX

Leeds Recycling and Energy Recovery Facility

Permit number EPR/GP3334CX

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.

This variation authorises the changing of the reference period and corresponding emission limit value (ELV) for carbon monoxide (CO) from a half-hour average to a ten-minute average for emission point reference A1 for both normal and abnormal operating conditions. The CO monitoring with a daily average reference period for emission point reference A1 remains unchanged.

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 EPR/GP3334CX/A001	Duly made 02/08/12	
Schedule 5 notice (dated 19/11/12)	Response received 07/01/13	
Additional information received	08/01/13	Odour model input files
Additional information received	15/02/13	Additional information on odour assessment
Additional information received	20/02/13	Odour model input files
Permit determined EPR/GP3334CX	18/07/13	
Variation application EPR/GP3334CX/V002	Duly made 04/02/16	Application for a variation to extend the installation boundary to include the Leeds Pro-Fibre installation area which is a technically linked activity.
Variation determined EPR/GP3334CX/V002 (Billing ref: PP3131RD)	02/08/16	Varied permit issued.
Variation application EPR/GP3334CX/V003	Duly made 15/05/17	Application for a variation to change the emission limit value (ELV) for carbon monoxide from the half-hour average to the 10-minute average.
Variation determined EPR/GP3334CX (Billing ref: YP3732DU)	21/06/17	Varied permit issued.

Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
Veolia ES UK Limited	EPR/BP3931RJ	02/08/16

End of introductory note

Variation application number
EPR/GP3334CX/V003

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/GP3334CX

Issued to

Veolia ES Leeds Limited ("the operator")

whose registered office is

**210 Pentonville Road
London
N1 9JY**

company registration number 07876913

to operate part of an installation at

**Leeds Recycling and Energy Recovery Facility
Former Wholesale Market Site
Cross Green
Leeds
LS9 0RJ**

to the extent set out in the schedules.

The notice shall take effect from 21/06/2017

Name	Date
Rebecca Warren	21/06/2017

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:

- Condition 3.3.5 is amended to include reference to the 10-minute average reference period for carbon monoxide, and now reads as:

3.3.5 Where Continuous Emission Monitors are installed to comply with the monitoring requirements in schedule 3 table S3.1; the Continuous Emission Monitors shall be used such that;

- (a) the values of the 95% confidence intervals of a single measured result at the daily emission limit value shall not exceed the following percentages of the emission limit values:

• Carbon monoxide	10%
• Sulphur dioxide	20%
• Oxides of nitrogen (NO & NO ₂ expressed as NO ₂)	20%
• Particulate matter	30%
• Total organic carbon (TOC)	30%
• Hydrogen chloride	40%
- (b) valid half-hourly average values or 10-minute averages shall be determined within the effective operating time (excluding the start-up and shut-down periods) from the measured values after having subtracted the value of the confidence intervals in condition 3.3.5 (a);
- (c) where it is necessary to calibrate or maintain the monitor and this means that data are not available for a complete half-hour or 10-minute period, the half-hourly average or 10-minute average shall in any case be considered valid if measurements are available for a minimum of 20 minutes or 7 minutes during the half-hour or 10-minute period respectively. The number of half-hourly or 10-minute averages so validated shall not exceed 5 or 15 respectively per day;
- (d) daily average values shall be determined as the average of all the valid half-hourly average or 10-minute average values within a calendar day. The daily average value shall be considered valid if no more than 5 half-hourly average or 15 10-minute average values in any day have been determined not to be valid;
- (e) no more than ten daily average values per year shall be determined not to be valid.

- Table S3.1 as referenced in conditions 2.3.6, 2.3.10, 3.1.1, 3.3.1, 3.3.3, 3.3.4 and 3.3.5 is amended to change the reference period and corresponding ELV for carbon monoxide from a half-hour average to a ten-minute average for emission point reference A1, and now reads as follows:

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location (as shown on site plan in Schedule 7)	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Particulate matter	Incineration exhaust gases	30 mg/m ³	½-hr average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Particulate matter	Incineration exhaust gases	10 mg/m ³	daily average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Total Organic Carbon (TOC)	Incineration exhaust gases	20 mg/m ³	½-hr average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Total Organic Carbon (TOC)	Incineration exhaust gases	10 mg/m ³	daily average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Hydrogen chloride	Incineration exhaust gases	60 mg/m ³	½-hr average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Hydrogen chloride	Incineration exhaust gases	10 mg/m ³	daily average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Hydrogen fluoride	Incineration exhaust gases	2 mg/m ³	periodic over minimum 1-hour period	Bi-annual	BS ISO 15713
A1	Carbon monoxide	Incineration exhaust gases	150 mg/m ³	95% of all 10-minute averages in any 24-hour period	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Carbon monoxide	Incineration exhaust gases	50 mg/m ³	daily average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Sulphur dioxide	Incineration exhaust gases	200 mg/m ³	½-hr average	Continuous measurement	BS EN 14181 and BS EN 15267-3

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location (as shown on site plan in Schedule 7)	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Sulphur dioxide	Incineration exhaust gases	50 mg/m ³	daily average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Incineration exhaust gases	400 mg/m ³	½-hr average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	Incineration exhaust gases	200 mg/m ³	daily average	Continuous measurement	BS EN 14181 and BS EN 15267-3
A1	Cadmium & thallium and their compounds (total)	Incineration exhaust gases	0.05 mg/m ³	periodic over minimum 30 minute, maximum 8 hour period	Bi-annual	BS EN 14385
A1	Mercury and its compounds	Incineration exhaust gases	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)	Incineration exhaust gases	0.5 mg/m ³	periodic over minimum 30 minute, maximum 8 hour period	Bi-annual	BS EN 14385
A1	Ammonia (NH ₃)	Incineration exhaust gases	No limit set	½-hr average and daily average	Continuous	BS EN 14181 and BS EN 15267-3
A1	Nitrous oxide (N ₂ O)	Incineration exhaust gases	No limit set	periodic over minimum 1-hour period	Bi-annual	BS EN ISO 21258
A1	Dioxins / furans (I-TEQ)	Incineration exhaust gases	0.1 ng/m ³	periodic over minimum 6 hours, maximum 8 hour period	Bi-annual	BS EN 1948 Parts 1, 2 and 3
A1	Dioxins / furans (WHO-TEQ Humans / Mammals)	Incineration exhaust gases	No limit set	periodic over minimum 6 hours, maximum 8 hour period	Bi-annual	BS EN 1948 Parts 1, 2 and 3

Table S3.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location (as shown on site plan in Schedule 7)	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Dioxins / furans (WHO-TEQ Fish)	Incineration exhaust gases	No limit set	periodic over minimum 6 hours, maximum 8 hour period	Bi-annual	BS EN 1948 Parts 1, 2 and 3
A1	Dioxins / furans (WHO-TEQ Birds)	Incineration exhaust gases	No limit set	periodic over minimum 6 hours, maximum 8 hour period	Bi-annual	BS EN 1948 Parts 1, 2 and 3
A1	Dioxin-like PCBs (WHO-TEQ Humans / Mammals)	Incineration exhaust gases	No limit set	periodic over minimum 6 hours, maximum 8 hour period	Bi-annual	BS EN 1948-4
A1	Dioxin-like PCBs (WHO-TEQ Fish)	Incineration exhaust gases	No limit set	periodic over minimum 6 hours, maximum 8 hour period	Bi-annual	BS EN 1948-4
A1	Dioxin-like PCBs (WHO-TEQ Birds)	Incineration exhaust gases	No limit set	periodic over minimum 6 hours, maximum 8 hour period	Bi-annual	BS EN 1948-4
A1	Specific individual poly-cyclic aromatic hydrocarbons (PAHs), as specified in Schedule 6.	Incineration exhaust gases	No limit set	periodic over minimum 6 hours, maximum 8 hour period	Bi-annual	BS ISO 11338 Parts 1 and 2.
A5	No parameters set	Emergency diesel generator	No limit set	-	-	-
A7	No parameters set	Activated carbon filters	No limit set	-	-	-
A8-A10	No parameters set	Boiler Vent and relief valves	No limit set	-	-	-

- Table S3.1(a) as referenced in conditions 2.3.6, 2.3.10, 3.1.1, 3.3.1 and 3.3.4 is amended to change the reference period and corresponding ELV for carbon monoxide from a half-hour average to a ten-minute average for emission point reference A1, and now reads as follows:

Table S3.1(a) Point source emissions to air during abnormal operation of incineration plant – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Particulate matter	Incineration exhaust gases	150 mg/m ³	½-hr average	Continuous measurement	BS EN 15267-3 during abatement plant failure
A1	Total Organic Carbon (TOC)	Incineration exhaust gases	20 mg/m ³	½-hr average	Continuous measurement	BS EN 15267-3 during abatement plant failure
A1	Carbon monoxide	Incineration exhaust gases	150 mg/m ³	10-minute average	Continuous measurement	BS EN 15267-3 during abatement plant failure
A5	No parameters set	Emergency diesel generator	No limit set	-	-	-
A7	No parameters set	Activated carbon filters	No limit set	-	-	-
A8-A10	No parameters set	Boiler Vent and relief valves	No limit set	-	-	-

Schedule 3 – conditions to be added

None

