

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

Veolia ES (UK) Limited

Ellesmere Port Incinerator
Bridges Road
Ellesmere Port
South Wirral
Cheshire
CH65 4EQ

Variation application number
EPR/BS5193IE/V003

Permit number
EPR/BS5193IE

Ellesmere Port Incinerator

Permit number EPR/BS5193IE

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.

No conditions are deleted. The conditions in Schedule 2 are amended. Schedule 3 contains a condition to be added. The whole comprises agreements to technical changes made since the permit was first determined. These include:

- the continued use of both the 10-minute and 30-minute percentile limits provided in the Industrial Emissions Directive (IED) for measuring and demonstrating compliance with the permit;
- the continued use of Note 11 in Condition 2.2.1.3 for demonstrating compliance with the limit on emissions carbon monoxide with the proviso that the 7-day period referenced in the IED is used as a control period;
- the use of the 0-500 mg m⁻³ range on the carbon monoxide monitor for compliance demonstration (the 0-∞ range being reserved for plant control);
- the continued use of the twice-yearly extractive monitoring analysis for mercury to demonstrate compliance; the continuous mercury emission monitor to be used for plant control with a target of 97% of the 30-minute average measurements and 100% of the daily average measurements being below 50 µg m⁻³;
- a change to the method of demonstrating compliance with the limits on metals emitted to the River Gowy from a single 24-hour flow proportional sample once per month to the use of the daily 24-hour flow proportional sample used for plant control purposes and a 95% target against the current numerical limits;
- the restriction on the sulphur content of the warm-up/support fuel is removed provided that (i) the scrubbing system is in operation and (ii) the sulphur dioxide concentration limits are met.
- for all limits expressed as percentiles compliance shall be determined by considering rolling average concentrations.

The schedules to this variation 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 BS5193IE	09/05/05	
Additional information	14/09/05	
Permit determined	13/12/05	
Agency variation determined EPR/BS5193IE/V002	14/03/14	Agency variation to implement the changes introduced by IED
Agency variation determined EPR/BS5193IE/V003	05/06/2019	Agency variation to formalise agreements to technical changes

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2016

Permit number
EPR/BS5193IE

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

Veolia ES (UK) Limited ("the operator")

whose registered office is

210 Pentonville Road
London
N1 9JY

company registration number **02481991**

to operate a regulated facility at

Ellesmere Port Incinerator
Bridges Road
Ellesmere Port
South Wirral
Cheshire
CH65 4EQ

to the extent set out in the schedules.

The notice shall take effect from 05/06/2019

Name	Date
Tracey Hartley	05/06/2019

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

A. Notes 1 to 11 of Table 2.2.2 of Condition 2.2.1.3 as follows:

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, Mn, Ni, and V mean antimony, arsenic, lead, chromium, cobalt, copper, manganese, nickel, and vanadium respectively.

The twice-yearly extractive monitoring analysis for mercury shall be used to demonstrate compliance with the limit. The continuous mercury emission monitor shall be used for plant control with a target of 97% of the 30-minute average measurements and 100% of the daily average measurements being below $50 \mu\text{g m}^{-3}$.

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

Note 4. The Continuous Emission Monitors shall be used such that;

- (a) The values of the 95% confidence interval of a single measured result at the daily emission limit value shall not exceed 10%;
- (b) 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 the value of the confidence interval;
- (c) Where it is necessary to calibrate or maintain the monitor and this means that data are not available for a complete half-hour period, the half-hourly average shall in any case 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 per day;
- (d) 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 shall be considered valid if no more than five half-hourly 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.

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

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

Note 7. As Note 4 except that 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. For carbon monoxide the 0-500 mg m⁻³ range on the monitor shall be used for demonstrating compliance with the limits (the 0-∞ range being reserved for plant control).

Note 9. The certification ranges for MCERTS equipment shall be 1.5 times the daily emission limit values. 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 values.

Note 10. 97% of the half-hourly average values over the year shall not exceed the emission limit values.

Note 11. 95% of all measurements in a year determined as ten-minute averages shall not exceed the emission limit value. The 7-day reference period in the Industrial Emissions Directive shall be used as a control period.

B. Notes 1 to 4 of Table 2.2.5 of Condition 2.2.2.4 as follows:

Note 1. Total suspended solids limits apply as periodic daily samples.

Note 2. The method of demonstrating compliance with the limits on metals emitted to the River Gowry shall be based on the use of the daily 24-hour flow proportional sample used for plant control purposes allied to a 95% target against the current numerical limits.

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

Note 4. Compliance shall be demonstrated by comparing the difference between the concentration of suspended solids measured from the daily sample of effluent and the concentration of suspended solids measured from the equivalent sample for the abstraction water.

C. Table 2.2.11 as follows:

“Sulphur content of fuel: The monthly rolling average sulphur content of fuel burned shall only exceed 0.2% by weight if the scrubbing system is in operation. The sulphur dioxide limits in Table 2.2.2 shall apply during the period when fuel is being burned.”

Schedule 3 – conditions to be added

A. For all limits expressed as percentiles compliance shall be demonstrated by considering rolling average concentrations.