



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Allington Incinerator

Kent Enviropower Limited
Allington Quarry
Laverstoke Road
Maidstone
Kent
ME16 0LE

Variation Notice Number
AP3431UN

Permit number
BR4551

Allington Incinerator Permit Number BR4551

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 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.

This permit has been varied due to an on going odour problem associated with the site. The problem seems most acute when all three incinerators are not operating leaving waste to decompose within the building without the air being extracted through the chimney. A new condition has therefore been added restricting the operator from receiving waste whilst all three incinerators are non-operational unless otherwise agreed in writing with the Environment Agency. A new improvement condition has also been added requiring the operator to do an in-depth assessment of the air flow within the incinerator building to determine whether the flow is adequate to control odour and to recommend actions, if not, to improve the flow. Another improvement condition has been added requiring the operator to formalise their odour incident plan. Finally a specific odour nuisance condition has been added to the permit since no such condition previously existed.

Detail	Date	Comment
Application BR4551	Received 31.01.02	
Application BR4551	Duly made 04.02.02	
Response to request for information (Sch 4)	Request dated 18.04.02	Response dated --.05.02
Response to request for information(Sch 4)	Request dated 30.04.02	Response dated 13.06.02
Supplementary information 1 Groundwater & construction issues Incoming waste handling and treatment Boiler & Furnace issues Clarification of relationship between KEL and WRG Noise Environmental Monitoring Programme Revised General Layout Diagram	Received 20.08.02	Issued to consultees
Supplementary information 2 Revised details of incoming waste handling and preparation.	Received 27.08.02	Issued to consultees.
Request to extend determination	Request dated 15.07.02	Request accepted 16.07.02
Supplementary information package 3 Revised BAT Assessment Response to Comments Phase 2 Site Report Management Structure of KEL . Off-site monitoring programme	Received 22.11.02	Sent to consultees and public registers 26.11.02
Verbal request to extend determination to end of March 2003	Request made on 18 th Feb 2003	Letter of acceptance received 20 th Feb 2003
Copies of approvals from landowners for conducting off site monitoring programme	11 th March 2003	Off site monitoring now in compliance with Regulations.
Supplementary information 4 BAT Assessment for the Contribution from the Waste Management Facility to Acid Deposition at Wouldham to Detling Escarpment	23 rd April 2003	Report was at the request of English Nature.
Permit BR4551	Determined	August 27 th 2003
Variation BX4518	Determined	March 15 th 2004
Variation GP3235LE	Determined	January 31st 2006
Variation BP3837ML	Received 16 November 2006	Issued 20 March 2007
Variation AP3431UN		Issued 7 September 2007

End of Introductory Note

Variation Notice

**Pollution Prevention and Control
(England and Wales) Regulations 2000**

Variation Notice

Permit number

BR4551

Variation number

AP3431UN

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
Kent Enviropower Ltd ("the operator"),

of/ whose registered office is

Ground Floor West

900 Pavillon Drive

Northampton Business Park

Northampton

NN4 7RG

company registration number 2894377

to operate an installation at

Allington Quarry

Laverstoke Road

Allington

Maidstone


Kent, ME16 0LY

to the extent set out in schedules 1 to 3 of this variation notice .

The notice shall take effect from 7 September 2007

Signed

Date

	6/9/2007
---	----------

Cantor Mocke

Authorised to sign on behalf of the Agency

SCHEDULE 1 – CONDITIONS TO BE DELETED

1. None

SCHEDULE 2 – CONDITIONS TO BE AMENDED

2. The following condition and associated Table is amended as follows

9.1.1 The Operator shall complete the requirements specified in Table 9.1.1 by the date specified in that Table, and shall send a report, including written notification of the date of completion of each requirement to the Agency, at the Reporting Address, within 14 days of the completion of each such requirement.

Table 9.1.1: Improvement programme requirements		
Reference	Requirement	Date
9.1	A written protocol for representative sampling and analysis for the determination of total organic carbon or loss-on-ignition, composition and leachability of the bed, boiler and flue gas treatment ash shall be submitted to the Agency for approval.	Completed.
9.2	The Operator shall submit a post commissioning report. The report shall include, but not be limited to: <ul style="list-style-type: none"> • Comparison of process performance against all permit conditions. • Details of the injection of the reagent for the reduction of oxides of nitrogen (including rate(s), control philosophy and nozzle height(s)) to maximise the efficiency and avoid over dosing reagent to minimise the creation of nitrous oxide and ammonia slip. • the results of the commissioning trials (of the SNCR system) and a justification made for the operational reduction limit selected having regard to BAT for the process and what further reductions can be achieved by equipment or process modifications. • Details of the procedures developed during commissioning for demonstrating control of the process. • Details of the location of the temperature sensors in the furnace in order to have the best control of the combustion conditions. • Details of the optimisation of reagent injection to minimise acid gases, dioxins, furans and heavy metals emissions to air. • Details of the automatic triggering of auxiliary burners and of the operation of the waste feed lockout when the furnace temperature is less than 850 °C. 	Within 5 months of the handover certificate being completed.
9.3	The Operator shall carry out checks to verify the residence time, minimum temperature and oxygen content of the exhaust gases whilst operating under the anticipated most unfavourable operating conditions. The results shall be submitted to the Agency.	Within 3 months of the handover certificate being completed.
9.4	The Operator shall carry out tests to demonstrate that hydrogen chloride may be considered to be a surrogate of hydrogen fluoride for the purposes of condition 6.1.2 of this Permit. The results shall be submitted to the Agency.	Within 6 months of the handover certificate being completed.
9.5	The Operator shall submit a proposal to the Agency to carry out tests to determine the size distribution of the particulate matter in the exhaust gas emissions to air from emission A1, identifying the fractions within the PM ₁₀ , PM _{2.5} and PM _{1.0} ranges. The proposal shall include a timetable to carry out such tests and produce a report on the results.	Completed.
9.6	On receipt of written agreement by the Agency to the proposal and the timetable submitted for 9.5, the Operator shall carry out the tests and submit to the Agency a report on the results.	Completed

Table 9.1.1: Improvement programme requirements

Reference	Requirement	Date
9.7	The Operator shall calibrate and verify the performance of Continuous Emission Monitors for release points and parameters as specified in Table 6.1.3 (of BR4551) to BS EN 14181 and submit a summary report to the Environment Agency as evidence of compliance with the requirements of BS EN 14181.	Within 3 months of completion of the handover certificate being completed.
9.8	A report shall be sent to the Agency on establishing an Environmental Management System having regard to section 2.1 of the relevant IPPC Sectoral or other Technical Guidance.	Within 12 months of the handover certificate being completed.
9.9	The Operator shall commission and report an air quality assessment to confirm the results of the air dispersion modelling to a specification agreed in writing with the Agency	Within 12 months of the handover certificate being completed.
9.10	The Operator shall review the techniques for continuous measurements for heavy metals, dioxins/furans and dioxin like PCBs, including cost, availability, accuracy, detection limits and submit a written report to the Agency	Within 12 months of the handover certificate being completed.
9.11	The Operator shall carry out tests to determine the profile of polycyclic aromatic hydrocarbons ("PAHs") and their concentrations in the exhaust gas emissions. The results shall be submitted in writing to the Agency.	Within 12 months of the handover certificate being completed.
9.12	The Operator shall compile and maintain a full set of "as built" Piping and Instrumentation Diagrams for the Installation. The P & ID diagrams shall be made available to the Agency upon request.	Within 3 months of the handover certificate being completed.
9.13	The Operator shall submit a written report to the Agency reviewing the options for improving the airflow and reducing the risk of fugitive emissions, including odour, from the incinerator building. The report shall detail the techniques used for evaluating the effectiveness of the airflow system, any changes that are required to the fabric of the building and the fitness for purpose of written operating instructions that may currently be in place. It shall also identify the measures used to increase the extraction of air from areas where waste is being stored/ processed. The report shall include the provision of installed instrumentation and control systems and the use of alarms to monitor the effectiveness of the system. The report shall include a timetable for the implementation of any recommendations and subject to the Agency's agreement the Operator shall implement these recommendations in accordance with this timetable.	7 November 2007
9.14	The operator shall submit an odour management plan for dealing with planned and unplanned shut downs of the incinerator or following the detection of an odour associated with the plant beyond the boundary of the site that shall detail the actions that will be taken to reduce the risk of fugitive odour emissions from the site. On submission of this report and agreement with the Agency the actions specified in the report shall be adhered to unless otherwise agreed in writing.	7 October 2007

SCHEDULE 3 – CONDITIONS TO BE ADDED

3. The following conditions are added to the permit:

Condition 2.1.6

2.1.6 Unless otherwise agreed in writing with the Agency, waste shall not be accepted at the installation if it is not possible to maintain negative pressure in the incinerator or MRF building.

Condition 6.7.1

6.7.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures, to prevent or where that is not practicable to minimise the odour.