VEOLIA
ENVIRONMENTAL SERVICES

Janet Elliot
Environment Agency
Thames Region
Swift House
Frimley Business Park
Frimley
Camberley
Surrey
GU16 7SQ

Our reference: CC/CHI/Condition 4.2.1

5th January 2010

Dear Mrs Elliot

Integra North Energy Recovery Facility
Permit BJ7786 and Variation CP3031UK

In accordance with Permit BJ7786, please find enclosed Condition 4.2.1, Annual Performance Report for 2009.

I trust the enclosed information meets your requirements, however if there is any further information required please do not hesitate to contact me.

Yours sincerely

Andy Macqueen.
Facility Manager

cc: file, C Conway.

Veolia ES Hampshire Limited
Integra North ERF, Whitmarsh Lane, Chineham, Basingstoke, Hampshire, RG24 8LL
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This Facility consists of a single incineration line, capable of processing approximately 11 tonnes per hour, allowing for an average refuse throughput of 105,000 tonnes per year, but this is dependent on two factors: actual operating hours and calorific value of the waste being burnt. The average calorific value of general municipal waste is 9200 kJ/kg.

Table 1. Permitted EWC codes.

Waste Type	EWC
Mixed municipal Waste	20 03 01
Market Waste	20 03 02
Street Cleaning Residues	20 03 03
Bulky Waste	20 03 07
Other Wastes from mechanical treatment of wastes	19 12 12

Table 2. Operational details.

Operational Hours	8,232	Hours
Total Waste Incinerated	101,754	Tonnes
Electricity Exported to the National Grid	48,461	MWh
Metals Recovered	1,896	Tonnes
Incinerator Bottom Ash	21,162	Tonnes
APC residues	3,036	Tonnes

Ash residues (known as Incinerator Bottom Ash or IBA) are currently being recycled and used as an under base graded aggregate for the construction industry.

Ferrous metal removed from the IBA is sent to a steel manufacturer for recycling.

Fine particulate matter, known as Air Pollution Control (APC) residues, removed from the flue gases by a fabric filter is collected and sent to a Veolia specialised treatment works where it is used to treat spent acid wastes prior to disposal at a licensed landfill site.

Water that is required for the process is reused extensively and so, very little has to be discharged from the Facility. The Facility holds a Trade Effluent discharge consent which is granted by Thames Water.

Table 4. Annual emissions of the periodically monitored pollutants.

Pollutant	Unit	Annual Total
Hydrogen Fluoride	Kg	0.058
Mercury	Kg	1.366
Arsenic	Kg	0.013
Cadmium	Kg	0.014
Chromium	Kg	0.761
Copper	Kg	1.615
Nickel	Kg	0.686
Manganese	Kg	1.489
Antimony	Kg	0.084
Lead	Kg	1.072
Thallium	Kg	0.011
Dioxins and Furans	Kg	0.000008788
PAH's	Kg	0.147
PCB's	Kg	0.0000006143

Appendix **A** shows the annual emissions for 2009 for the continuously monitored emissions as found on the public website.

Strict environmental controls and proven operating experience ensures that the Facility is compliant with all the conditions of its Permit at all times. This compliance is achieved through constant monitoring of the incineration process during all of the stages, with detailed procedures in place to enable staff to carry out their work in an environmentally compliant manner.

During 2009 Integra North ERF operated within its Permitted Emission Limit Values (ELV) for 100% of operational time, thus no enforcement actions were required by the Environment Agency.

Table 5. Plant compliances.

Breach of Permit Conditions	0
Abnormal Operations	0
Enforcement Actions	0
General Complaints	0

Any complaints received at the facility are thoroughly investigated with a full report being kept as to the outcome of the investigation.

During the year there have been no plant improvements made at this facility.

Appendix A
Chineham ERF 2009 annual emissions