Contents

Method Statement 3.5 - *Offtake Plan*

MS 3.5a - *Secondary Materials Offtake*

MS 3.5a.i - *Residues*

The following table summarises the anticipated production of residues, their handling, management and transport arrangements.

Source/ material	Properties of Waste	Storage location/ volume stored	Future annual quantity of Waste produced (estimate)	Disposal route and transport method	Frequency
Bottom ash	Grate ash, grate riddlings. This ash is relatively inert, classified as non-hazardous.	Bottom ash storage area.	[redacted]	[redacted]	Daily / Weekly
Air Pollution Control Residues (APCR)	Ash from dry flue gas treatment, will contain some unreacted lime	APCR silo.	[redacted]	[redacted]	Weekly

Table 3.5-1 Handling, Management and Transport

a) ***Incinerator Bottom Ash (IBA)***

Bottom ash or IBA is an inert non hazardous by-product suitable for processing into secondary aggregates. The Contractor will contract with Day Aggregates (www.daygroup.co.uk), an aggregates contractor operating in London.

Small volumes of boiler ash will be added to the bottom ash as part of the process and some of this will form part of the production residues which will be unsuitable for sale as a consequence of their poor quality. In total 3-5 per cent or approximately 2,000 – 3,500 tonnes of IBA input will be inert waste. This waste will be disposed to landfill by a Sub-Contract.

a.i) Quantity and Ultimate Use

[redacted]

a.ii) Markets

[redacted]

[redacted]

[redacted]

a.iii) Optimisation of Environmental, Economic and Social Benefits

[redacted]

[redacted]

a.iv) Continual Improvement

[redacted]

a.v) Ferrous metals extracted from Bottom Ash

In September 2010 the Department for Environment, Food and Rural Affairs (DEFRA) confirmed that metals recovered from IBA and which are recycled will count towards recycling performance in the future, bringing England in line with the other administrations of the UK. The change to performance indicator NI 192 (Household Waste recycled and composted) took effect from April 2011.

[redacted]

[redacted]

b) *Air Pollution Control Residues (APCR)*

b.i) Management, Storage, Sale and Processing

The Key Facility will produce Air Pollution Control Residues (APCR). This by-product of the Key Facility's air pollution control system will be managed by [redacted]

Grundon has also invested in dedicated bulk powder tankers with suitably qualified drivers to ensure there is no reliance on contract transport providers, although third party tankers will still be utilised to supplement the fleet where appropriate.

[redacted]

b.ii) Optimisation of Quality

[redacted]

In March 2010 DEFRA issued the 'Strategy for Hazardous Waste Management in England' (the Strategy). The Strategy contains a number of principles that, when implemented, will have profound implications for the management of hazardous waste in England, particularly in relation to APCR. In addition to this, the Environment Agency is also proposing to implement changes to the classification and testing procedures for treated hazardous wastes, to require more stringent control on the deposit of treated hazardous waste into non-hazardous waste Landfill.

b.iii) Market Commentary

[redacted]

b.iv) APCR Contingency

[redacted]

[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]

b.v) Quality Standards

[redacted] operates a fully documented system that is managed and regulated by a health and safety team, including a fully qualified health and safety manager. The Wingmoor Farm site operates a fully documented environmental management system and is accredited to ISO14001.

MS 3.5b - *Electrical Generation and Sales*

MS 3.5b.i - *Energy production*

[redacted]

MS 3.5b.ii - *Energy generation*

The Contractor is proposing a combined heat and power (CHP) enabled plant that is planned to initially operate in electricity only mode unless a heat load can be secured earlier. The benefit of designing this capability into the infrastructure is that it enables CHP opportunities to be pursued during the Planning Application phase and the Works Period.

[redacted]

MS 3.5b.iii - *Placement of Electrical Energy in the Market*

The Key Facility will be connected to a licensed distribution network and sell its output via a licensed supplier.

[redacted]

MS 3.5b.iv - *Securing Customer Base*

[redacted]

[redacted]

MS 3.5b.v - *Good Quality CHP (GQCHP)*

[redacted]

MS 3.5c - *Non-Accepted Waste or Rejected Waste*

All Wastes will be handled and stored in accordance with:

- The Waste Acceptance Protocol (Schedule 31 to the Contract);
- The prevailing regulatory requirements regarding Waste management and health and safety;
- Technical specifications and operating requirements of the energy recovery facility process; and
- Site-specific operating procedures to be developed and maintained the Contractor throughout the Contract Period.

[redacted]

Waste that is not suitable for treatment at the Key Facility will be separated and excluded from the processable waste stream on identification. This identification will take place at the weighbridge where feasible and in the bunker by the grab crane operative(s). Spot checks in the waste reception hall will enable efficient management of non-processable Wastes which will be stored and transferred to appropriate recycling, Landfill or treatment.

a) *Smouldering loads*

[redacted]

b) *Hazardous waste*

A designated area will be provided for the storage of quarantined materials prior to their removal from the Sites for disposal or other treatment as deemed appropriate. The quarantine area will incorporate dedicated containers for those materials that require specific handling, storage or disposal. The disposal route of such materials will be fully documented to ensure that compliance with all relevant prevailing Legislation is maintained.

MS 3.5d - *Destinations for Ad hoc and Specialist Wastes*

The three categories of Contract Waste are:

- Contract Waste Category A ("Core" contract waste stream)
- Contract Waste Category B ("Specialist" contract waste stream)
- Contract Waste Category C ("Ad Hoc" contract waste stream)

Any Waste delivered to the Waste Transfer Station and Key Facility will be managed by the Contractor and sent to appropriate processing or disposal facilities. Depending on the nature of the Waste stream and its Contract Waste category designation, these will be dealt with separately through the Payment Mechanism and the Contract.

[redacted]

[redacted]

MS 3.5e - *Transport Arrangements*

Residual Waste arising from the Contract will be loaded on to bulk haulage vehicles. The vehicle will then proceed to the site weighbridge where it will be weighed and issued with an “outgoing” weighbridge ticket and “duty of care” documentation. The vehicle will then proceed to the designated Landfill site weighbridge. The vehicle documentation will be checked and a weighbridge ticket produced to record the “in-coming” load for disposal.

[redacted]

MS 3.5f - *Health and Safety*

The Contractor will operate in accordance with its health and safety policy statement procedures for implementing health and safety in operations and facilities as detailed in the Contractor’s health, safety and welfare policy document.

The Contractor will operate monitoring systems to measure and review health and safety in its operations. Landfill sites operated by the Viridor group of companies undertake risk assessments for activities and produce safe operating procedures that staff are required to adhere to whilst undertaking their duties. RAs and SOPs are reviewed at least every 2 years and always after an incident.

MS 3.5g - *Landfill Sites*

[redacted]