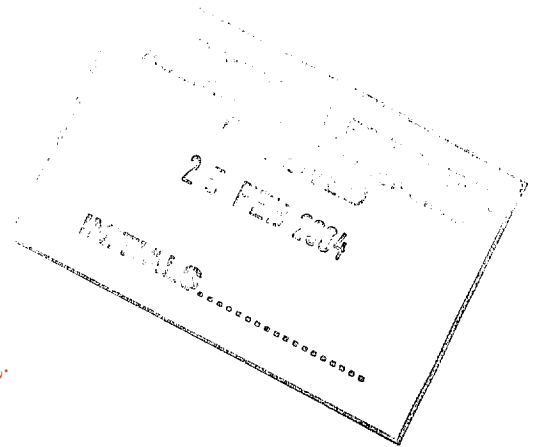


Section J

Environmental Measuring



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Section J – Environmental Monitoring

Section J.1 – Dust Monitoring

Dust emissions are negligible in the operation of the proposed facility. Therefore, a dust monitoring programme for the surrounds of the new building on the STI site is not proposed.

The site building and facilities at 420 Beech Road are already in place as the proposed site is an existing industrial unit. The interior of the building will be modified to resemble 430 Beech Road, with provision for an operational Transfer Station area (please refer to Section B.3). No dust emission of note will be relevant to this re-fit activity.

Section J.2 – Ecological Monitoring

The site building and facilities at 420 Beech Road are already in place. There will be no significant impacts to the very limited flora and fauna in the immediate area.

Section J.3 – Groundwater Monitoring

There will be no direct discharges to groundwater at either building or their surroundings.

Section J.4 – Air

A new air monitoring Emission Point A4 will constitute the outlet combining both the HEPA and Carbon Filter exhaust systems, which are currently separate at the 430 Beech Road building. A combination of the licensed parameters for items tested for separately at 430 Beech Road (i.e. 4000 cfu/m³ for Indicator Micro organisms and 0.2 kg/hour for Total Volatile Organic Compounds) is suggested by STI as the operating limits, with flows to be determined by the Agency.

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Bin wash exhausts and other emission points not monitored will mirror those in place at 430 Beech Road.

J.5 – Sewer

Effluent Monitoring will replicate that conducted at 430 Beech Road. The daily flow limit of 20 m³/day sought for 430 Beech Road will also be sought for 420 Beech Road, making a combined site total of 40 m³/day. Whether this is reported as a site total or broken down by each building is at the discretion of the Agency.

Section J.6 – Meteorological

No meteorological data was gathered for the initial Waste Licence Application 55-1. Due to the fact that the review submissions are not extensive, STI see no reason for meteorological information to be submitted.

Section J.7 – Noise Monitoring

Noise Monitoring will be conducted at points B1 and B2 of the Site Plan (Section B.3).

Section J.8 – Odours

STI has installed a coalescing vessel as part of the carbon filtration system, thus reducing the potential for odour nuisance. A similar system will be installed within 420 Beech Road.

Waste entering the STI Model 2000 for treatment is sprayed with biodegradable deodoriser to further minimise any potential impact. As part of the Litter Wardens daily duties, a “Sniff Test” is conducted at the front of

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the 430 Beech Road building. This will also be conducted at the entrance of the 420 Beech Road Building.

Section J.9 – Surface Water

All surface water surrounding both buildings will be discharged into the Local Authority surface water drainage system.

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