ATTACHMENT F
CONTROL & MONITORING

F.1 Treatment, Abatement & Control Systems.

The main abatement and control systems at The Recycling Village Ltd facility include;

- extensive concrete storage yard to prevent potential soil and groundwater pollution from spillages and leaks
- secure storage facilities
- spillage kits
- interceptor sump with shut off valve and alarm
- newly installed extraction vents on WEEE disassembly lines
- fire extinguishers
- site EMS, written procedures and staff training

There are no other abatement, recovery or treatment systems at the facility.

F.2 Air Emissions Monitoring & Sampling Points.

There are two point emission sources to atmosphere from the facility as shown on the Site Emissions Monitoring Plan Ref: 12039-LA-05, ie;

- A1 - CRT dismantling line (CRT)
- A2 - Flat panel dismantling line (FPD)

These point sources have only recently been installed and are currently being commissioned.

The Recycling Village Ltd proposes to commission an external testing company to sample emissions from the above vents on an annual basis and analyse the emissions for the following parameters;

- Dust
- Heavy Metals eg Barium, Cadmium, Chromium VI, Copper, Iron, Lead, Mercury, Nickel, Phosphorus and Zinc.

The Recycling Village Ltd proposes to carry out annual dust deposition monitoring at the following 4 site boundary locations as shown on the Site Emissions Monitoring Plan Ref: 12039-LA-05.

Monitoring Location	Description of Location
D1	Corner site boundary at the main site entrance gate
D2	Corner site boundary at the yard entrance gate
D3	Corner site boundary at the rear of the yard
D4	Corner site boundary at the rear of the building

Further details on the air sampling locations and proposed sampling programme are summarised in the tables below.

F.3 Surface Water Emissions Monitoring & Sampling Points.

There are no emissions from the site to surface water. This section is not applicable.

F.4 Sewer Emissions Monitoring & Sampling Points.

There are no process effluent emissions from the facility to sewer.

Effluent from the site toilets, canteen and staff changing rooms to the local authority foul sewer as shown on Site Drainage Plan Ref: 12039-LA-01. Yard run off water drains to an interceptor prior to discharge to the local authority foul sewer as shown on Site Drainage Plan Ref: 12039-LA-01.

The Recycling Village Ltd proposes to take quarterly grab samples of the effluent from the final chamber of the interceptor sump for analysis by a third party laboratory and analyse the effluent for the following parameters;

- pH
- Suspended solids
- BOD
- COD
- Ammonia
- Mineral Oils
- Total Petroleum Hydrocarbons
- VOCôs
- Arsenic
- Lead
- Iron
- Cadmium
- Chromium
- Glycol

Further details on the effluent sampling location and proposed sampling programme are summarised in the tables below.

F.5 Groundwater Emissions Monitoring & Sampling Points.

There are no emissions from the site to ground water. This section is not applicable.

F.6 Noise Emissions Monitoring & Sampling Points.

The Recycling Village Ltd proposes to commission annual noise monitoring surveys at the following 4 site boundary locations as shown on the Site Emissions Monitoring Plan Ref: 12039-LA-05.

Monitoring Location	Description of Location
N1	Corner site boundary at the main site entrance gate
N2	Corner site boundary at the yard entrance gate
N3	Corner site boundary at the rear of the yard
N4	Corner site boundary at the rear of the building

Further details on the noise sampling locations and proposed sampling programme are summarised in the tables below.

F.7 Meteorological Data Monitoring & Sampling Points.

This application does not relate to a landfill operation. Therefore this section is not applicable.

F.8 Leachate Monitoring & Sampling Points.

This application does not relate to a landfill operation. Therefore this section is not applicable.

F.9 Landfill Gas Monitoring & Sampling Points.

This application does not relate to a landfill operation. Therefore this section is not applicable.

Proposed Emissions Monitoring Programme.

Emission	Parameter	Location	Analytical technique	Frequency
Air ï Point Source (A1)	Dust & Heavy Metals as per section F2 above	CRT Dismantling Area	Appropriate sampling technique as advised by specialist company eg. gravimetric, absorption tubes etc & laboratory analysis	Annually
Air ï Point Source (A2)	Dust & Heavy Metals as per section F2 above	FPD Dismantling Area	Appropriate sampling technique as advised by specialist company eg. gravimetric, absorption tubes etc & laboratory analysis	Annually
Dust Deposition (D1-D4)	Dust Deposition	4 x boundary locations	Bergerhoff method & laboratory analysis	Annually
Yard run off (SW1)	As per section F4 above	Yard interceptor sump	Grab sample & laboratory analysis	Quarterly
Noise (N1-N4)	dBA (Laeq)	4 x boundary locations	Noise level meter	Annually

Proposed Monitoring & Sampling Points.

Point Code	Point Type	Easting	Northing	Emission Type
A1	Atmosphere	705192	769394	Air
A2	Atmosphere	705220	769394	Air
SW1	Yard Surface Water	705251	769409	Effluent
D1	Dust	705200	769357	Dust
D2	Dust	705279	769431	Dust
D3	Dust	705239	769472	Dust
D4	Dust	705187	769427	Dust
N1	Noise	705200	769357	Noise
N2	Noise	705279	769431	Noise
N3	Noise	705239	769472	Noise
N4	Noise	705187	769427	Noise