

SECTION F
CONTROL & MONITORING

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Attachment F.1 – Treatment, Abatement and Control Systems

Measures to minimise the impacts on air quality are as follows:

- Quick turn around for waste entering and leaving the facility
- Reception, processing, storage and packaging of waste will be carried out under enclosed conditions
- Storage of compacted waste in sealed containers.

The internal layout of the waste transfer station will be designed to prevent emissions escaping from the facility and endangering the environment. For instance, all approved waste awaiting dispatch off site for treatment and or disposal will be retained in specifically designed storage bays. There will be seven bunded storage bays in total within the Waste Transfer Station. These will be marked clearly with signage as CK1 to CK7. CK1 will be a dedicated quarantine area for non-conforming waste material. Each bay will be 4.5 m wide and 9.5 m long. The volume of effluent to be retained in each bay will not be less than the greater of the following:

- 110% of the capacity of the largest tank or drum within the bunded area; or
- 25% of the total volume of the substance, which could be stored within the bunded area.

The entrance to each bay will be ramped and a corner sump will allow spillage effluent to drain under gravity via a network of pipes to a double-skinned retention tank. When this tank is sufficiently filled it will be taken off-site for treatment.

All drummed/packageged waste will be stored on the basis of their hazard class and based on the ADR classes and rules of segregation. A Standard Operating Procedure, SOP No. 75, is in place to detail the correct procedures for dealing with 'incoming packaged waste'. The table below gives an indication of how different waste will be distributed between the various storage bays.

Storage Area	Class of Wastes
Bund CK1	Quarantined wastes
Bund CK2	Class 8 (corrosives – acidic) Batteries Non-regulated e.g. cooking oil,
Bund CK3	Class 8 (Corrosive – Alkaline) -Photographic, Non-regulated e.g. Fluorescent Tubes,
Bund CK4	Non regulated – Fluorescent Tubes, antifreeze, waste lubricating oils (non-flammable), Brake fluid, Windscreen Washer fluid; Class 2 (gases/aerosols)
Bund CK5	Class 7 - Healthcare Wastes – refrigerated facilities will be provided for the storage of this waste type. Non regulated wastes, cooking oils, used oil filters
Bund CK6	Class 4.1 Solid Oily Waste Non regulated - Used Oil filters,
Bund CK7	Class 3 Flammable liquids e.g. Mixed fuels, paint thinners etc

Note: Non -regulated relates to ADR/IMDG code for transportation where segregation rules are derived from.

Attachment F.2 – Monitoring & Sampling Points for Air (including Dust & Odour)

- **Dust**

Dust arising from the proposed activities is not deemed to be a threat to ambient air quality. However, dust monitoring (deposition and TSP) will be carried out on an annual basis outside the main doors of the facility. A suitably qualified scientist will carry out dust monitoring on an annual basis and/or as deemed necessary. Following completion of the annual dust monitoring investigations, a report will be forwarded to the EPA outlining the results.

- **Odours**

Odour monitoring will be conducted annually once the plant is operational.

Attachment F.3 – Monitoring & Sampling Points for Surface Water

There will be no discharges to surface water and therefore there are no plans to establish a surface water monitoring programme.

Attachment F.4 – Monitoring & Sampling Points for Sewer Discharge

There will be no sewer emission from the proposed operation. Furthermore, all waste effluent arising from spill clean-ups, leakage or house-keeping duties will be drained to sumps and pumped to an appropriate tank which will be taken off-site periodically for treatment.

The domestic effluent waste water treatment plant has a sampling point.

Attachment F.5 – Monitoring & Sampling Points for Groundwater

There are no direct discharges to groundwater and the area within the transfer building will be properly banded. There is also unlikely to be any indirect discharge to groundwater as any accidental chemical spillage will be contained on site and treated immediately. There are no plans to carry out a programme of groundwater monitoring. However, ground water monitoring wells will be installed at the facility if the Agency feels that this is a necessary step to ensure that the safeguards put in are working to prevent groundwater/aquifer pollution.

Attachment F.6 – Monitoring & Sampling Points for Noise

Noise monitoring will be carried out on an annual basis once the facility has commenced operation. The location or number of the monitoring sites has yet to be confirmed. Noise measurements will be carried out by a suitably qualified scientist with the EPA Guidelines on noise monitoring.