

RAW MATERIAL MANAGEMENT

It is optimistic to consider that the raw material can be pre-sorted to eliminate putrescible material and have no odour if the proposal is to use kerbside rubbish collections as a raw waste source. More information about the pre-sorting process and the raw waste sources would be needed including examples of where this is done elsewhere. It is agreed that under normal operations the potential for odour emissions is low. Consideration needs to be given however during OTNOC – for example what happens when the furnace(s) are not operating but there is still waste in the receival hall?

Response

The design of the plant and raw material management processes are intended to provide a layered approach to protection against odour production and subsequent control, as follows:

1. Control and filtering of material from contracted parties at sites remote to the Paewira facility.
2. Inspection and filtering at multiple of stages of waste reception.
3. Interlocked doors for entry and egress to control and maintain air flow.
4. Negative pressure air flow systems to draw air through the boiler systems.
5. Multiple paths of fuel processing and incineration that provide redundancy to plant operations.

It is intended that the plant will be in continuous operation. That is, there is a minimum of one recycling line and one incineration unit always operating. This provides an ability to minimise the time that fuel is spent “standing”. As there is limited fuel storage designed into the facility the operations must be continuous.

The redundancy in the plant provides an ability for additional units to be in a ready to operate state under low fuel volumes, and to adapt to the flow of fuel accordingly.

In the unlikely event that both fuel processing lines and all incinerators are out of service without the ability to return to service within a specified timeframe, for example 2-days, receiving fuel will immediately be ceased. For contracted parties, fuel will be either held at their remote sites or diverted to contracted landfill sites. If fuel or raw material is held on-site, it will be removed from the processing lines and incinerator fuel bunkers and transported by covered vehicles to other sites for storage or to landfill.