



Valencia

Non-Technical Summary

Shelford MRF – Permit Variation Application

EPR/XP3434HX

Shelford Landfill
Shelford Farm Estate
Shalloak Road
Canterbury
Kent
CT2 0PU

May 2025



1. Introduction

Shelford Landfill and MRF operates under environmental permit EPR/XP3434HX.

Permit variation EPR/XP3434HX/V013 was granted on 10th July 2024, which added a Material Recycling Facility (MRF) to the permit, including a 5.4 A(1)(b)(ii) pre-treatment of waste for incineration or co-incineration and a physical treatment of non-hazardous waste operation. The combined limit for these activities was 250,000 tonnes per annum.

The waste treatment process separates non-combustible material through shredding and mechanical and manual separation. The combustible fractions will be sent off site for energy recovery as refuse derived fuel (RDF). Some residual waste, such as grit, glass and bricks will be used on site to maintain roads and for landfill cover.

The ambition of the MRF is to move waste further up the Waste Hierarchy, and recover recyclable wastes which would otherwise be destined for landfilling.

Since the MRF has commenced operation and wastes have been processed, it has become increasingly apparent that the MRF can process more waste than first anticipated. The permit variation seeks to make some amendments to the site layout of the MRF following construction, and increase the annual throughput of non-hazardous and inert waste to be processed through the MRF from 250,000 to 500,000 tonnes per annum.

There are no proposed changes to the types of waste to be accepted to the MRF, nor the waste treatment processes and techniques. There are also no proposed changes to the landfill.

2. Scope of Permit Variation Application

This application seeks to increase the annual throughput of the MRF from 250,000 to 500,000 tonnes per year.

There are no proposed changes to the types of waste which are already permitted to be accepted, waste treatment methods nor any changes proposed to the landfill.

Waste storage times will remain restricted to a maximum of 72 hours. All waste treatment will be carried out within an enclosed building and on an impermeable surface with sealed drainage.

The maximum storage capacity of wastes associated with permit activities A4 and A12 will not exceed 1,400 at any one time, as stated in the permit.

No additional activities will be added to the permit as a result of this variation.

Further detail is provided in the Operating Techniques report.

3. Proposed Permit Changes

Increase in Annual Throughput

Table S1.1 provides the listed activities for the site, including the pre-treatment of waste for incineration or co-incineration (activity reference A3) at the Material Recycling Facility. The quantities require increasing from 250,000 to 500,000.

Table S1.2 Operating Techniques lists the documentation which forms part of the environmental permit. Much of this documentation is related to the landfill which remains unchanged as a result of this variation for the MRF.

Where Documents have required updating as part of this variation application include the Fire Prevention Plan, Dust Management Plan and an Operating Techniques Addendum.

4. Variation Application Documentation

In order to provide a complete variation application which fully addresses any environmental impact proposed from the changes, the following documents have been prepared:

- Statutory Application forms:
 - Part A – About You
 - Part C2 – General Varying a Bespoke Permit
 - Part C3 – Varying a Bespoke Installation Permit
 - Part F1 – Charges and Declarations
- Non-Technical Summary
- Operating Techniques Addendum
- Environmental and Habitats Risk Assessment
- Dust Management Plan
- Fire Prevention Plan
- EMS Summary

The approved Odour Management Plan V1.6.3. (SF-OMP-2024 Valencia, March 2024) has been reviewed and the management techniques to mitigate the risk of odour remain valid.

The approved Noise Management Plan has been reviewed and the management plan remains valid.

The site will continue to comply with the appropriate measures as specified in the previous permit variation to add the MRF and waste activities to the permit. Therefore the Best available Techniques (BAT) Assessment prepared by Wardell Armstrong (January 2024) which is listed as an Operating technique in table S1.2 within the permit remains valid and current.

There are no changes the TCM requirements as a result of this variation.

The site will continue to operate under the same Environmental Management System.

5. Summary of Environmental Mitigation

The MRF is designed to move waste further up the waste hierarchy, and to divert waste from landfill which would otherwise have been disposed into the landfill. This variation seeks to increase the throughput to allow more opportunity for waste recovery and increase recycling rates. There will be greater benefit in more materials being recycled, and a reduction of carbon emissions through recycling materials and recovering energy from combustible waste.

Waste will continue to be dealt with on a first-in, first-out basis. Waste will be treated within a maximum of 72 hours to minimise the risks of odour and vermin. The vast majority of the waste will be treated within one working day.

The site will be inspected on a daily basis to ensure that no pollution is occurring.

Plant and equipment will be maintained in accordance with manufacturer's recommendations and properly maintained to ensure it is fit for purpose and to minimise emissions arising from equipment malfunction or breakdown.

To minimise emissions, waste operations will continue to be carried out inside the MRF building.

The site will continue to operate in accordance with Valencia's written management system.

An Environmental and Habitats Risk Assessment has been prepared as part of the variation application and sets out the control measures which are, and will be, implemented on site.