



Fugitive Emissions
Management
Plan

Llanwern East Waste Management Site
Tata Steelworks Llanwern
Newport
NP26 3WN

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1. Introduction

This document is part of an overall environmental management program that is designed to ensure environmental conditions set out in the proposed bespoke permit application that has been submitted for the site to Natural Resources Wales.

The objective of the Environmental Conditions and therefore this management plan is to ensure that emissions associated with the site works comply with regulatory guidelines for the protection of human health and the environment.

2. Background

Cuddy Group are currently restoring the former steelworks landfill at Tata Llanwern. The site lies at Ordnance Survey Grid Reference 339546, 186539.

The project involves capping the 200,000m² site with a minimum thickness of 600mm of subsoil. This requires a maximum import of 400,000 tonnes of clean subsoil to complete the project.

3. Location and Surrounding Uses

The site is in an industrial setting and part of the existing Tata Steelworks site at Llanwern. There is a large distribution centre 50m to the East and the Gwent Levels SSSI are less than 50m to the south of the site boundary. There are few residential areas within one mile of the site.

4. Emissions and Monitoring

This Fugitive Emission Management Plan shall identify the types of potential emissions that can be produced at the site and the control measures that will be put in place to prevent pollution occurring.

5. Dust

The potential source of dust generation on the site are earthmoving activities associated with the import and stockpiling waste materials.

Dust management will comprise of water suppression during dry periods using a towable bowser and sprinkler system. Stockpiles of soil, and placed soils shall be sealed at the end of each working day to reduce the levels of windblown dust across the site.

When soil delivery wagons enter the site they shall have their covers over the soils to reduce the amount of dust generated during transport.

6. Noise and Vibration

All plant and machinery used on the site is well maintained with yearly service certificates kept in the site records, where possible used fitted with silencers.

7. Odour

Wastes imported into the site will have a low odour producing potential, so therefore odour emissions are considered unlikely from the site.

8. Pollution around the site

8.1 Debris on Steelworks Roads

Wagons carrying suitable waste enter the site via the main entrance, deposit their load and then exit the site out onto the Tata East Tip road. Any debris deposited on the road can cause problems for Tata employees and visitors. Therefore a road sweeper will be used to clean the site entrance road and the East Tip road during busy periods and wet periods of soil deliveries. Debris on the roads tends to be minimal during dry periods.

8.2 Litter Potential

Although the site was a former landfill, there is a low litter potential due to the majority of the wastes being steelworks by-products, slag and dredgings. Any refuse found in the tip will be sealed over using dredgings or slag to reduce the likelihood of litter being blown around the site.

9. Pollution of Surface Water

Tata have collection reens around the site which transports the surface water to their filtration system. During the project there will be a surface water drainage system installed around the crest and toe of the tip to direct any runoff. As the soil used in the capping will be clean this surface water will be clean of contamination as well.

Diesel bowzers will be surrounded by bunds to prevent accidental release of fuels, and spillage kits will be located next to all plant fuelling.