Best Available Techniques Assessment

Physical treatment of hazardous and non-hazardous waste

Godstone Highways Depot

Ringway Infrastructure Services Ltd

Godstone Highways Depot
Oxted Road,
Church Town,
Godstone,
Tandridge,
Surrey,
RH9 8BP

Document Control

Document Title	Best Available Techniques Assessment
Revision	1.0
Date	07/05/2024
Document Reference	Ringway Godstone EMS 02-05-23
Prepared For	Ringway Infrastructure Services Ltd
Authored By	MTS Environmental Ltd

Quality Control

Revision No.	Date Revised	Amendments	Authored By	Sign Off	Approved By	Sign Off
1.0	07/05/24	Original draft for permit application	Shawn Almeida		Luke Bridges	

Contents

1. Introduction

This document is prepared as requested by the Environment Agency for extra information regarding the application of an installation permit for Ringway Infrastructure Services (Ringway), Godstone Highways Depot, Oxted Road, Church Town, Godstone, Tandridge, Surrey, RH9 8BP (Appendix 2).

This BAT Assessment outlines the operational techniques by which Ringway will assess and minimise emissions from the installation at its depot. All techniques employed within the installation comply with the BAT standards outlined in the Sector Guidance Note. [1]

The recycling of Asphalt Waste Containing Coal Tar (AWCCT) is well documented by several leading bodies, including WRAP (Waste and Resources Action Programme) and in more detail by ADEPT (Association of Directors for Environment, Economy Planning and Transport). ADEPT has produced extensive guidance on the recycling and re-use of AWCCT [2] which is widely adopted by the civil engineering industry. To ensure that recycled aggregates meet the strict engineering design standards required by industry, amendments to highways specifications [3] were made to facilitate the end use of AWCCT and specific highways design guidance was developed [4]. Due to these industry initiatives, the Environment Agency regard AWCCT as a minimal risk activity and has provided Regulatory Position Statements[55] outlining what regulatory controls are required.

The Godstone Highways depot is a permanent facility dedicated to the recycling of hazardous and non-hazardous wastes; therefore, an installation permit is required.

2. Records

According to sector guidance, section 2.1.2, 'An internal tracking system and stock control procedure should be in place for all wastes, cross referenced to the unique reference number raised at the pre-acceptance stage.' Waste Accountant management software will be used to track waste and monitor stock control. The software is fully backed up and records all information generated during the pre-acceptance, acceptance, storage, treatment or removal of material off site. The information is stored electronically in the system and is kept for the length of the highways contract and hard copies are kept for a minimum of 5 years in accordance with the sector guidance outlined above.

3. Storage of wastes

In the event of offloading/discharge of waste, there is a ticket system in place to inform site staff of any new waste streams entering the site and the storage area required for each waste stream. Storage areas are not located near watercourses and sensitive receptors. The depot is fully secure with security

[1] Sector Guidance Note IPPC S5.06 | Issue 4 – Section 2
[2] Managing Reclaimed Asphalt – Highways and Pavements | Version 2016-1
[3] Specification to Highway Words | 900 Series
[4] TRL611 – A guide to the use and specification of cold recycled materials for the maintenance of road pavements
[5] RPS 157 & 075 Regulating the treatment of asphalt wastes containing coal tar or bitumen from the maintenance of roads, car parks or footpaths

systems in place. Storage areas are clearly marked, and waste stockpiles are clearly segregated into type. A site drainage plan is available in Appendix 4 to detail the on-site drainage system.

The total maximum storage capacity and all management considerations are covered by the Ringway Godstone Environmental Management System (Appendix 1). The permit will allow the maximum treatment and storage of 75,000 tonnes of waste per year, with a maximum quantity of 10,000 tonnes on site at any given point. The hazardous waste that will be treated and stored up to this amount will be limited to hazardous coal tar planings, contaminated soils and stones and hazardous dredging spoil.

The storage area benefits from an impermeable surface and a sealed drainage system, ensuring all run off is treated through an interceptor.

Where an accident occurs, i.e. a fuel spillage, emergency controls will be applied to stop the spread of oil. The depot office should immediately identify the source and cause of the spill and make appropriate measures to contain it. All measures will be recorded in the site diary and any incidents will be reported to the Environment Agency.

4. Treatment of wastes

In terms of BAT requirements for HBM processing, all BAT requirements are covered by the Ringway WRAP Quality Manual (Appendix 3). The sorting, separation, screening, crushing, blending and mixing of inert waste for recovery as an aggregate, is done in accordance with the WRAP Quality Protocol[6].

All processes from acceptance to treatment for BAT techniques are covered by the Environmental Management System for the site.

[6] Quality Protocol – Aggregates from Inert Waste (WRAP) (October 2013) (Version 02)

Appendix 1 – Ringway Godstone Environmental Management System

Appendix 2 – Site Location Plan

Appendix 3 – Ringway WRAP Quality Manual

Appendix 4 – Site Drainage Plan