Non-Technical Summary

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

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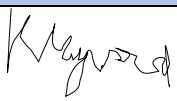
1.0	19/12/23	Original draft for permit application	Kasia Haywood		Luke Bridges	

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1. Introduction

This document forms the application for a bespoke environmental permit under the Environmental Permitting Regulations 2016. The applicant and operator of the waste facility is Ringway Infrastructure Services Ltd (Ringway). The application site is Godstone Highways Depot located at Oxted Road, Church Town, Godstone, Tandridge, Surrey, RH9 8BP. The application is for an installation permit to allow physical treatment and storage of hazardous and non-hazardous waste to allow recycling back into the highways network. The permit must be bespoke due to the volumes of waste throughput of waste types.

This non-technical summary outlines the details of the permit application and the proposed activities to be carried out by Ringway on site.

In addition to this non-technical summary, the following documents have been produced and reviewed to support this bespoke permit application:

- The relevant Environment Agency application forms (Parts A, B1, B4 and F1)
- Supporting drawings (Site Layout and Drainage Plan, Site Location Plan)
- Site Condition Report – a document detailing the current condition of the area of land to be included in the permit boundary
- Environmental Risk Assessment
- Environmental Management System
- Dust Management Plan
- Noise Management Plan

2. Application

2.1 Permit Application

Ringway seek to apply for a bespoke permit to operate an installation activity for physical treatment of hazardous and non-hazardous waste with storage of both waste types (permit number: TBC) under the Environmental Permitting Regulations 2016. The proposed operation is for a highways depot that will process tar bound, inert and excavated wastes through physical treatment to allow recycling and re-use back in the highways network.

2.2 Permitted Activities

The proposed permitted activities are:

- 1.16.1.2 Section 5.3 (a) (ii) – hazardous waste installation – physico-chemical treatment
- 1.16.12 – physical treatment of non-hazardous waste

The facility has been designed and will be operated to ensure compliance with all relevant requirements of the Conditions of the permit, Environment Agency and the Environmental Permitting Regulations 2016.

The proposed activities covered by the Environmental Permitting (England and Wales) Regulations 2016 are provided in Table 1 below.

Table 1 – Proposed list of waste activities on site at Godstone Highways Depot

Activity Reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
AR1	Section 5.3 Part A(1)(a)(iii) Recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving blending or mixing.	Physical treatment of hazardous waste **R5:** Recycling/reclamation of other inorganic materials.	From receipt of hazardous wastes to despatch of treated product or further treatment (AR2). Treatment consisting of blending and mixing. Temporary storage of hazardous waste following treatment, pending dispatch off site. All wastes shall be stored on impermeable ground with sealed drainage. Waste types and quantities as specified in Table 2.
AR2	Section 5.3 Part A(1)(a)(vi) Recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials other than metals or metal compounds.	Physical treatment of hazardous waste **R5:** Recycling/reclamation of other inorganic materials.	From receipt of hazardous wastes to despatch of treated product or further treatment (AR1). Treatment consisting of sorting, separation, screening, crushing, blending and mixing of waste for recovery as an aggregate. Temporary storage of hazardous waste following treatment, pending dispatch off site. All wastes shall be stored on impermeable ground with sealed drainage. Waste types and quantities as specified in Table 2.
AR3	Section 5.6 Part A(1)(a) Temporary storage of hazardous waste with a total capacity	**R13:** Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on	Temporary storage of untreated hazardous waste prior to activities AR1 and AR2. Liquid wastes should be stored in accordance with condition 3.2.3 of this Permit. All wastes shall be

	exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3.	the site where it is produced).	stored on impermeable ground with sealed drainage. Waste types and quantities as specified in Table 2.
Activity Reference	**Description of activities for waste operations**		**Limits of specified activity and waste types**
AR4 Waste transfer station with treatment for inert and excavation wastes	**R3:** Recycling/reclamation of organic substances which are not used as solvents. **R4:** Recycling or reclamation of metals and metal compounds. **R5:** Recycling/reclamation of other inorganic materials. **R13:** Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced). **D9:** Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12. **D14:** Repackaging prior to submission to any of the operations numbered D1 to 13. **D15:** Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).		From receipt of waste to dispatch. Treatment consisting of manual sorting, separation, screening, drying or crushing of waste into different components for recovery or disposal. Liquid wastes should be stored in accordance with condition 3.2.3 of this Permit. All wastes shall be stored on impermeable pavement with sealed drainage. The quantity of wastes treated for disposal shall not exceed 50 tonnes per day. Waste types and quantities as specified in Table 3.

2.3 Accepted Waste Streams

As part of this permit application, Ringway seek to obtain all codes listed in Tables 2 and 3. Table 2 details permitted waste types for treatment and associated storage of asphalt and road planings (activities AR1, AR2 and AR3). Table 3 details permitted waste types for inert and excavation waste transfer station with treatment (activity AR4).

Table 2 – Waste codes and descriptions permitted on site for activities AR1, AR2 and AR3

Waste Code	Description	Processing Activity
17 03 01*	Bituminous mixtures containing coal tar	Sorting, separation, screening, crushing, blending and mixing
17 05 03*	Soil and stones containing hazardous substances	
17 05 05*	Dredging spoil containing dangerous substances	

Table 3 – Waste codes and descriptions permitted on site for activity AR4

Waste Code	Description	Processing Activity
17 01 01	Concrete	Manual sorting, separation, screening, drying or crushing
17 01 02	Bricks	
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01	
17 04 07	Mixed metals	
17 05 04	Soil and stones other than those mentioned in 17 05 03	
17 05 06	Dredging spoil other than those mentioned in 17 05 05	
19 12 09	Minerals (for example sand, stones)	
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	
20 02 02	Soil and stones	

2.4 Operating Techniques

All permitted wastes listed in Table 2 and 3, and activities will be stored and treated on an impermeable surface with a sealed drainage system.

Materials will be transported onto site in covered HGVs following the site haul road where they will be un-loaded in the processing area for inspection and acceptance checks. The material will then be

treated if required and transported to the appropriate storage bay to await removal off site once it is required on a highways scheme. Material will be stockpiled and segregated by waste type.

2.5 Annual Waste Throughput Tonnages

Ringway seek to have the total annual throughput tonnage limit for all activities of 75,000 tonnes to allow for the treatment and storage activities.

There will be a maximum storage capacity of 10,000 tonnes of waste on site at any one time.

3. Site Location

3.1 General

The site is located off Oxted Road, Church Town, Godstone, Tandridge, Surrey, RH9 8BP (Figure 1). The approximate national grid reference for the site is TQ 35419 51952.

The site is immediately surrounded by open agricultural land and trees. Bay Pond is located to the south of the site and the nearest residential building sits ~120 m west of the centre of the site.

Figure 1 – Site Location Plan for Godstone Highways Depot

4. Site Management

4.1 General Management

A Technically Competent Manager (TCM) is on site for at least one full day per week (or 20% of operational hours) and a site supervisor, who will be responsible for daily operations will continue to be on site during working hours.

The Environmental Risk Assessment submitted as part of this application will be used to identify any risks and opportunities at the site, arising from this permit and operations. Additional control measures will be implemented to prevent or reduce risks if necessary.

Operational procedures will be implemented that consider the location of waste processing and storage areas.

All employees will receive environmental training that incorporates the site activities and waste streams accepted on site.

4.2 Environmental Risk Assessment

As identified in the Environmental Risk Assessment carried out as part of the permit application, specific management plans, covering dust and emissions, and noise and vibration have been created and these will be implemented as part of the Environmental Management System (EMS). These management plans account for the waste types, and quantities of waste to be treated and stored on site.

Processing activities will only be completed on a campaign basis on occasion to reduce impacts on nearby sensitive receptors. Any activities conducted on site under Part B permits or other contractors will be made aware of the site-specific EMS and must operate to the same standards.

No combustible waste is permitted on site so no fire prevention plan is required.

Putrescible waste is not permitted on site and any offensively odorous waste will be refused entry so an Odour Management Plan is not required as the risk of odour is low.

5. Environmental Setting

5.1 Potential Receptors

The site is immediately surrounded by agricultural land and trees. The A25 (Oxted Road) public highway runs along the northern boundary, and Bay Pond is located to the south of the site. The nearest residential property is located off the A25, 120m to the west of the site. There is residential housing on the west side of the site, but the permitted area is located at the furthest point away from these receptors. It is screened from these receptors by the surrounding industrial site owned and operated by Ringway, and established vegetation.

There is one care home within 1km of the site – Anchor Oakleigh care home located 295m to the north west. There are two schools within 1km of the site: Godstone Primary and Nursery School 790m to the south west and Godstone Farm Day Nursery and Pre-School located 945m to the south.

There are no hospitals within 1km of the site. Godstone Fire Station is located 770m to the north west of the site.

The centre of the site is also ~270m from the border of an SSSI (Site of Special Scientific Interest), Godstone Ponds which incorporates Bay Pond. Site-specific management plans for dust, noise, and environment will be adhered to on site to mitigate risks and negative impacts on sensitive receptors

and the surrounding environment. Appropriate assessment for noise, dust, odour and ecology have been done to ensure that effective measures are in place on site.

All receptors within 1 km of the site are located on the Sensitive Receptor Plan.

5.2 Groundwater

The northern half of the site is within Source Protection Zone I (inner protection zone) and the southern half is within Source Protection Zone II (outer protection zone).

The site is located in Flood Zone 1 assessed as having a low probability of flooding from rivers and the sea. There is also a very low risk of flooding from surface water or reservoirs.

Ringway are signed up to the EA's flood warning service and have specific actions to take in the event of a flood alert and/or flood warning.

The underlying geology consists of Folkestone Formation – Sandstone with no superficial deposits. The site is over a principal bedrock aquifer.

The ground is composed of Soilscape 6 – freely draining slightly acid loamy soils.

The site is surfaced in an impermeable surface and a sealed drainage system so will not increase surface water run off as it will drain into the system on site.

5.3 Ecology

All existing planting and vegetation surrounding the site and at the site boundaries will be maintained.

6. Application Site Condition Report

An application Site Condition Report has been prepared for the land proposed as part of this new bespoke environmental permit application.

7. Monitoring

7.1 Air

Visual inspections will be carried out daily during operational hours, especially when carrying out activities that are dust producing. Best practicable means will be applied to minimise dust emissions and to ensure compliance with the Dust & Emissions Management Plan. The site will not be carrying out high dust producing processing activities.

7.2 Groundwater

No monitoring of groundwater is proposed as fugitive releases to groundwater will be prevented by conducting all operations, including the unloading of waste, sorting and storage of waste streams in areas sealed with an impermeable concrete surface and positive drainage system to prevent a pathway for migration of pollutants to groundwater.

7.3 Fire Prevention

No combustible wastes will be stored or accepted on site, so a detailed Fire Prevention Plan is not required. Measures outlined in the Environmental Risk Assessment and Environmental Management System will be applied to mitigate the chance of fire.

7.4 Emissions

There will be no point source emissions to land associated with this new permit.

The potential sources of fugitive emissions to air have been identified and a Dust & Emissions Management Plan has been prepared to prevent any potential dust emissions from reaching any nearby receptors.

Fugitive emissions to groundwater have been considered, all operational areas, storage areas and quarantine points are surfaced with an impermeable surface with a sealed drainage system. Fuel is stored in a fully bunded tank in a contained storage unit, away from waste operational areas.

All waste is loaded, unloaded, and stored on an impermeable surface; site surface water run off from the site will be collected in the sealed drainage system so there is very low risk of contaminated run off. In the event of a spill, leak or fire, surface water from the site will be collected in in booms. The fire/spill water in the tanks will be removed from site to a treatment facility.

Fugitive releases to the groundwater will be prevented by carrying out all operations, including the unloading of waste, sorting and storage of waste streams on impermeable concrete surfacing to prevent a pathway for migration to the ground.

Any potentially polluting spillages at the site will be subject to the procedures detailed in the site EMS.

8. Compliance with Best Available Techniques

Ringway will work under the Best Available Techniques (BATs) and appropriate measures taken from the EA Guidance on chemical waste, and inert and non-hazardous waste: appropriate measures for permitted facilities. BATs will be applied to the proposed activities at the Ringway Godstone Highways Depot site to ensure all potential health and safety and environmental risks posed by these activities are considered and appropriately managed.