Non–Technical Summary

Three Maids Hill

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Revision:	1.0	**Approved by:**	Tom Rutledge
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Introduction

This document forms the application for a Bespoke Environmental Permit for the operation of an 1.16.12 – Physical treatment of non-hazardous waste inert waste recycling facility under the Environmental Permitting Regulations 2015. The applicant and operator of the waste recycling operation is TMR Recycling Ltd and the site is located at Three Maids Hill, Winchester, SO21 2QG.

This non-technical summary outlines the details of the application and the proposed activities to be carried out by TMR Recycling Ltd 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, B2, B4 and F1)
- Supporting drawings (Site Layout and Drainage Plan and 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 H1 Risk Assessment
- Dust Management Plan
- Environmental Management System
- Quality Protocol
- OPRA

Application

Permitted Activities

The new proposed activities would typically require a standard rule permit No 12. However, as no foul sewer is available a bespoke environmental permit is being sought.

The facility will recycle inert waste material to produce a range of recycled products for re-use in the construction market. TMR aim to create a closed loop recycling system by developing this site and managing it in tandem with their existing operations. This would enable inert waste generated from construction, demolition and excavation works to be recovered and recycled for re-use in further construction or engineering works. Products include 6F5 crushed material, Type 1 stone, Class 1A construction fill, subsoil, topsoil and other aggregate products.

Only inert and non-hazardous waste will be processed at the site and will be manufactured in accordance with the WRAP Quality Protocol. The new site will allow re-use of materials and also provide a net-gain of biodiversity through the implementation of ecologically enhanced screening bunds. The facility has been designed and will be operated to ensure compliance with all relevant requirements of the Environment Agency and the Environmental Permitting Regulations 2015.
All materials will be managed in accordance with WRAP Quality Protocol.

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

Description of Activities	Limits of Activities
R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) **R4:** Recycling/reclamation of metals and metal compounds **R5:** Recycling or 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)	Waste are screened, graded and constituent aggregates and materials are incorporated into construction materials. Wastes are stored on site until recycling can be undertaken. Waste will be on permeable hard standing but there is no risk to ground contamination as all the material are inert and non-hazardous. No more than 75,000 tonnes of wastes shall be treated Treatment of wastes listed in table 2.2 using plant consisting only of sorting, separation, drying, screening, crushing and blending of waste for recovery as a soil, soil substitute or aggregate. Crushing and cleaning of soils and clean hardcore. Secure storage of waste pending treatment.
D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcination. **D15:** Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Treatment consisting only of manual sorting, separation, bulking up, screening, bailing, shredding, crushing, drying, blending or compaction of non-hazardous waste into different components for disposal or recovery Operational storage of waste.

Table 1 – Proposed list of operations on site at Three Maids Hill

Accepted Waste Streams

Waste streams are inert and non-hazardous that can be recycled into construction works. More details of all the codes are in spreadsheet table 1a.

Expected Annual Waste Throughput Tonnages

Total volumes will not exceed standard rules permit limits of 75,000 tonnes annually.

Site Location

The site is located at Three Maids Hill, Winchester, England, SO21 2QG (Figure 1). The national grid reference for the site is SU 46102 33756. The site is predominantly surrounded by agricultural land with the nearest residential building sitting ~175 m away from the northern site boundary.

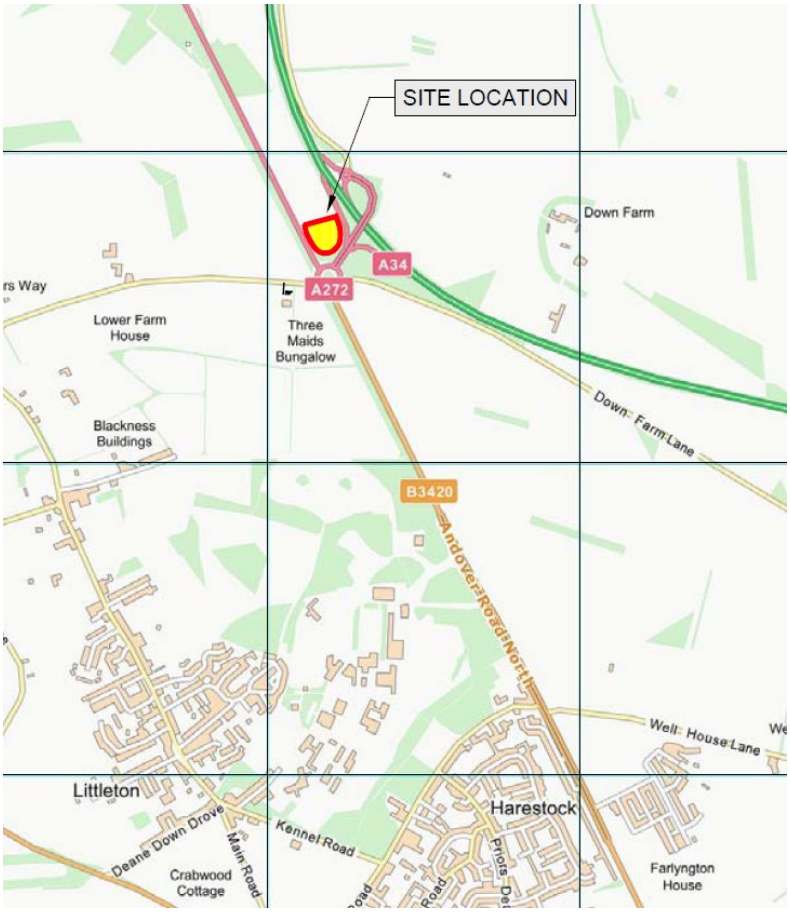

Figure 1 – Site Location

Site Management

A Technically Competent Manager is on site at least 1 full day per week and a site supervisor, who will be responsible for daily operations will continue to be on site during working hours.

The Environmental H1 Risk Assessment (ref) 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.

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 onsite.

As identified in the full planning application, several site investigations have been undertaken. The findings and mitigations are detailed in various management plans and reports. These documents will be implemented as part of the Environmental Management System (EMS).

Environmental Setting

Potential Receptors

The site is predominantly surrounded by agricultural land and roads, including the A272 and the A34. The nearest residential property in located off Stud Lane 175 m to the south of the site. Another area of residential properties is Lower Farm Cottages located to the west of the site; the nearest property is located 570 m from the western site boundary.

There are no schools, nurseries or hospitals located within 1 km of the site.

Groundwater

The site is not within a source protection zone. It is located in flood zone 1 meaning it has a low probability of flooding. The solid geology is Seaford Chalk formation and the underlying geology is classified as a Principal aquifer meaning that it is of high intergranular and/or fracture permeability providing a high level of water storage supplying water supply/river flow on a strategic scale. The site will be managed in accordance with the site flood risk assessment and drainage strategy design.

Emissions

There will be point source emissions to land associated with 'Sustainable Urban Drainage System' (SUDS) which have been designed into the facility concept during the planning phase.

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

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

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.

Monitoring

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 Management Plan.

Groundwater

No monitoring of groundwater is proposed as fugitive releases to groundwater will be controlled within the SUDS.

Compliance with Best Available Techniques

TMR Recycling Ltd will work under the Best Available Techniques (BATs) Requirements taken from the EA's Sector Guidance Note IPPC S5.06 Guidance for the Recovery and Disposal of Hazardous and Non-Hazardous Waste (Issue 5, Date 2013; updated October 2018). BATs will be applied to the proposed activities at the TMR Recycling Ltd site to ensure all potential health, safety and environmental risks posed by these activities are considered and appropriately managed.