Wasing Quarry: Non Technical Summary

Tarmac

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CONFIDENTIAL

Envireau

Wasing Quarry: Non-Technical Summary

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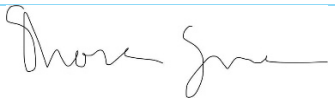
Prepared by	Shona Symon – Principal Hydrogeologist	
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Revision History

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REV01	Final Issue	SS	CDW	CDW	24.12.2025

1 Introduction

1.1 Report Context

Envireau Limited (Envireau) has been commissioned on behalf of Tarmac Trading Ltd (Tarmac) to prepare a Non-Technical Summary as part of supporting documentation for an application to obtain a Bespoke Environmental Permit for their site at Wasing Quarry Wasing Lane, Aldermaston, Reading, RG7 4LY, hereafter referred to as the 'Site'.

A scheme to redevelop the site is proposed which will involve the importation of inert waste materials to support in the restoration of a sand and gravel quarry to farmland with some water bodies, contributing to biodiversity and flood storage capacity within the valley in line with restoration scheme approved by West Berkshire Council.

1.2 Non-Technical Summary

To support the permit application (Form Part B2), a Non-Technical Summary is required that explains the application, in a concise, non-technical language.

The summary includes an overview of the proposed scheme and a summary of the key technical standards and control measures arising from associated risk assessment of the Site.

1.3 Operator and Agent

The Environmental Permit application and this summary have been prepared by Envireau Ltd who are acting as an 'Agent' on behalf of the proposed 'Operator', Tarmac Trading Ltd, which is registered in England and Wales as Company Number 00453791.

2 Non-Technical Summary

2.1 Introduction

The 104-acre site is centred on grid reference NGR SU 578658, the Site is located approximately 800 m southeast of Woolhampton in Berkshire.

The Site is accessed from the A340 which runs north-south, 300 m east of the Site.

It is located within a predominantly agricultural landscape supplemented by woodland and surface water bodies. Brimpton Airfield Ltd operates a 620 m long airstrip in the south of the Site, which was established in the 1950's. Wasing Lane and Wasing Lower Farm border the Site to the south. The River Enborne runs alongside the western Site boundary before flowing eastwards through the Site and bordering the north-eastern boundary. Station Road is 100 m west of the Site at its closest approach.

Woodland lies between the Site and the River Kennet to the north and Woolhampton sewage treatment works is immediately north-west. Around 200 m west of the Site is the former Woolhampton Quarry which has been variably restored to form waterbodies and woodland habitats. A solar farm occupies part of the restored quarry 600 m west of the Site.

A Waste Recovery Plan has been prepared submitted to the Environment Agency (EA) in 2022 – pre-application reference EPR/LB3106TY/A001 (Waste Recovery Plan provided at Appendix G of the permit application with EA response).

A Site Location Plan, including quarry phasing is provided at Appendix C Figure 1 of the permit application.

2.2 Proposed Scheme

The operator seeks to authorise the use of suitable imported waste materials in the restoration of the quarry to agricultural land, with some water bodies.

Restoration will be progressive and will commence when mineral extraction is completed within each phase. A sidewall attenuation layer will be constructed from suitable selected restoration materials and then each phase will then be filled using imported inert restoration materials. Following filling operations, topsoil and sub soils will be replaced, returning the Site to original ground levels.

2.3 Waste Acceptance

Material used in the restoration of the Site will comprise of suitable imported waste materials. The Waste Acceptance Criteria (WAC) that will apply to waste soils being accepted at the Site will be inert. No contaminated materials will be accepted. Documentation will accompany all waste material accepted, which will be reviewed in accordance with the Site's waste pre-acceptance and acceptance procedures to ensure any materials used are suitable for use in the restoration operations.

Should any accepted waste material be considered unsuitable (i.e., contaminated) it will either be returned to the waste producer or removed off-site for disposal at an appropriate facility. The waste pre-acceptance and acceptance procedures for the restoration of the Site, including basic characterisation and on-Site verification has been included (see Appendix H of the permit application). These procedures will ensure that only materials that are both chemically and physically suitable for use in the recovery activity will be accepted at the Site.

Some of the above waste in Table 1 will be suitable as general fill and selected others (where permeability is low) will be suitable as fill for the attenuation layer.

Table 1 Permitted Waste Types

EWC Code	Description
01	**Wastes resulting from exploration, mining, quarrying and physical and chemical treatment of minerals**
01 01	Wastes from mineral excavation
01 01 02[1]	Wastes from mineral non-metalliferous excavation
01 04	Wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	Waste gravel and crushed rocks
01 04 09	Waste sand and clays
10	**Waste from thermal processes**
10 12	Waste from the manufacture of ceramic goods, bricks, tiles and construction products
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
17	**Construction and demolition wastes**
17 01 01[2]	Concrete
17 01 02[2]	Bricks
17 01 03[2]	Tiles and ceramics
17 01 07[2]	Mixtures of concrete, brick, tiles and ceramics
17 05 04[3,6]	Soil and stones
19	**Waste from waste management facilities**
19 12 09	Minerals (for examples sand, gravel) only
19 12 12[4]	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
20	**Municipal waste (household waste and similar commercial industrial and institutional waste)**
20 02 02[5,6]	Soil and stones

[1] Restricted to waste overburden and interburden clay only;
[2] Selected construction and demolition waste;
[3] Excluding topsoil, peat and material from contaminated sites;
[4] Restricted to crushed bricks, tiles, concrete and ceramics only. Metal from reinforced concrete must be removed. Does not include fines from treatment of any non-hazardous waste or gypsum from recovered plasterboard;
[5] From garden and park waste; excluding soil and peat;
[6] For waste acceptance purposes, this material includes naturally occurring clays, sands, gravels etc.

2.4 General Site Operation

No operations shall be undertaken at the Site except during the following hours:

- 0700 – 1800hrs Monday to Friday; and
- 0700 – 1300hrs Saturday.

All incoming road vehicles carrying waste will need to pass through the main site entrance and directed by staff to where loads will be checked in. Only pre-arranged incoming loads will be accepted at the site.

Once checks have been completed, the vehicle will be directed across the site to suitable stockpile locations within the permitted area.

All tipping will be overseen by appropriately trained site staff with vigilant waste inspections to confirm it is compliant for acceptance and recovery at the site.

Due to the inert nature of the materials that will be received at the Site any risk of impact to relevant receptors from odour, litter, pest, or fire is expected to be negligible.

Dust mitigation measures will be implemented at the Site to reduce the likelihood of any impacts to nearby receptors from dust generated by permitted activities at the site (Appendix M of this permit application).

The tipping/unloading/storage area will be relocated within the Site as the overall site recovery process progresses but will wherever possible be located near to where waste is being redeposited at that time.

The location of the tipping/unloading/soil storage area will be continually assessed to ensure that the risk of impact to the environment and local amenities is minimised.

Stockpiles of waste at the Site will be present, these stockpiles will consist of:

- Waste that is being stored while the results of sampling and testing are pending; and
- Any waste that has been rejected.

The Site will be managed and operated in accordance with the Bespoke Environmental Permit and the Environmental Management System which will outline the Site's operating techniques. These operating techniques will ensure that:

- The risks that the activities pose to the environment are identified;
- The measures that are required to minimise the risks are identified;
- The activities are managed in accordance with the operating techniques; and
- Performance against the operating techniques is audited at regular intervals.

A summary of the Site's Management System is included with the application (Appendix B of the Permit Application).

The site plan will be updated whilst the site is operational and will include the location of any soil storage areas and stockpiles as the works progress.

Risks to the environment, controlled waters and surrounding geology are covered in the Environmental Risk Assessment (ERA) (Appendix F of the Permit Application) and Hydrogeological Risk Assessment (HRA) (Appendix E of the Permit Application).

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