



# **Swanworth Quarry Permit Application**

Non-technical summary

October 2024

This page left intentionally blank for pagination.

Mott MacDonald  
7th Floor  
26 Whitehall Road  
Leeds LS12 1BE  
United Kingdom

T +44 (0)113 394 6700  
mottmac.com

Suttle Stone Quarries  
Swanworth Quarry, Worth  
Matravers, Swanage,  
Dorset, BH19 3LE

# Swanworth Quarry Permit Application

Non-technical summary

October 2024

# Issue and Revision Record

Revision	Date	Originator	Checker	Approver	Description
1	26 April 2024	Olivia Ellson	Lucia McDermott	David Dray	First draft for client comments
2	01 October 2024	Lucia McDermott	Anita Manns	David Dray	Final version

**Document reference:** 100110814\_NTS\_SUT v2

This document is issued for the party which commissioned it and for specific purposes connected with the above-captioned project only. It should not be relied upon by any other party or used for any other purpose.

We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

This document contains confidential information and proprietary intellectual property. It should not be shown to other parties without consent from us and from the party which commissioned it.

# Contents

1	Permit Variation	2
1.1	Introduction	2
1.2	Location	2
1.3	Summary of planning permission	3
1.4	Swanworth Quarry extension	4
1.5	Waste acceptance	5
1.6	Recovery Operations	6
1.7	Requirements to update documents	6

# 1 Permit Variation

## 1.1 Introduction

This document has been prepared by Mott MacDonald on behalf of J Suttle Transport Ltd (Suttles) to accompany and support the Environmental Permit application to continue the winning and working of limestone through the lateral extension of Swanworth Quarry. The operator of the facility is Suttles Stone Quarries, a trading arm of J Suttle Transport Ltd.

Suttles has an existing recovery permit (Permit number EPR/CB3030RQ) that also covers a screening operation and permits the crushing and screening of inert waste. The original Waste Recovery Plan (WRP) was submitted in 2011, as part of an Environmental Permit Application for the 'use of waste for restoration' of Swanworth Quarry at Worth Matravers near Swanage, Dorset. In 2017, a variation was made to the WRP to update the restoration plan, add the European Waste Catalogue (EWC) codes 17 05 04 and 19 12 12 to the wastes that could be accepted at the site and to add 'washing' to the recycling element of the permit.

In 2020, Suttles applied for a planning permission (application reference 6/2020/0321\_1). This application was to continue the winning and working of limestone through the lateral extension of Swanworth Quarry, retention of processing plant and existing infrastructure, importation of inert waste material for restoration purposes, and continued production and sale of recycled aggregates. Planning Permission was granted in December 2023 by Dorset Council.

To enable the restoration of the lateral extension of the site, post extraction, Mott MacDonald Limited was instructed by Suttles to support them in the application of an additional bespoke environmental permit for a waste recovery operation.

The extension will be developed from south to north with limestone extracted by conventional drilling and blasting. This continues the operational procedures that are currently undertaken at the existing permitted quarry. Extraction would occur in a series of three phases with soils and overburden materials being removed progressively and limestone quarried in two benches in a northerly direction. This document summarises the activities and operations that Suttles proposes to undertake on the site to include as part of the permit application. The facility is for the treatment, storage, use in restoration or subsequent sale of inert waste material imported to the site.

There are no proposals to alter the method of working at the existing quarry (EPR/CB3030RQ), the depth of extraction, the site access, or the permitted level of output from the site.

## 1.2 Location

Swanworth Quarry is a limestone quarry located west of Swanage in the Isle of Purbeck and north of St Aldhelm's Head. The nearest village to the site is Worth Matravers which is 400m to the south. The postcode for the site is BH19 3LE. The 100m National Grid Reference (NGR) for the existing quarry is SY 969 781 and it is marked as Swanworth Quarries on the Ordnance Survey 1:25,000 Purbeck and South Dorset map. The 100m NGR for the extension area to the quarry is SY 964 788. A site plan showing the location of the quarry can be found in Figure 1.

**Figure 1: Site location and boundary**



Source: David Jarvis Associates (2020)<sup>1</sup>

The quarry entrance is passed on the road from Kingston to Worth Matravers. There is no access to the quarry without permission from the owners. A public footpath (part of the Purbeck Way) passes from Hill Bottom and Coombe Bottom to the west of the Quarry.

Access to the extension area would be via the existing quarry with a new vehicular bridge being constructed across the Coombe valley and a cutting through the southern-most field to the extraction area. The bridge would avoid vehicles interfering with the Purbeck Way bridleway and stream located in the base of the Coombe<sup>2</sup>.

### 1.3 Summary of planning permission

The planning permission granted for the extension on 15 December 2023 (application reference 6/2020/0321\_1) listed a number of proposed planning conditions, which are presented in the WRP produced for the proposed extension (100110814\_WRP\_SUT v1). The conditions of the planning and planning permission can also be viewed on the Dorset planning application portal<sup>3</sup>.

<sup>1</sup> David Jarvis Associates (2020) 2-2020-0321 Environmental Statement (EIA)\_2 Site Location Plan) Available at: [Planning application: 6/2020/0321 - dorsetforyou.com \(dorsetcouncil.gov.uk\)](https://dorsetforyou.com/dorsetcouncil.gov.uk) (Last accessed April 2024)

<sup>2</sup> Quarryplan (GB) Limited (2020). Volume 4 Planning Application Statement, Suttle Stone Quarries. (Last accessed April 2024)

<sup>3</sup> Dorset Council (2023). Planning Decision Notice (application number 6/2020/0321) Available at: [Planning application: 6/2020/0321 - dorsetforyou.com \(dorsetcouncil.gov.uk\)](https://dorsetforyou.com/dorsetcouncil.gov.uk) (Last accessed April 2024)

The planning permission extended the end date for operating the quarry to December 2044 to provide sufficient time to extract the reserves of limestone and complete the restoration of the site.

The planning permission is also accompanied by a Section 106 agreement. The Section 106 agreement was granted in November 2022 and states that the site must comply with the following obligations:

- The development of 12.29 ha of land adjoining the existing quarry for the creation of new and existing habitats.
- Long term (30 years) management of all restored and proposed newly created habitat areas including the existing quarry.
- New footpaths to be created within the existing quarry to be made available for access by the public for at least the same period of long-term management as the finally restored quarry site.
- A financial contribution to fund compensatory environmental enhancement.

The site also has a discharge consent (No. 043200) which relates to “Site Drainage: vehicle wheel wash water and fuel store”. There is no water abstraction licence at the quarry.

## 1.4 Swanworth Quarry extension

The remaining reserves of limestone in the existing permitted quarry are very limited and new reserves are required to allow the continued supply of construction materials to the market.

Bournemouth, Christchurch, Poole and Dorset Mineral Sites Plan 2019<sup>4</sup>[Error! Bookmark not defined.](#) identifies Swanworth Quarry as an important source of crushed rock, supplying approximately half of the Dorset annual total. It provides an alternative source of crushed rock to the Portland quarries, or Mendip quarries. In terms of reducing distances to be travelled, it is considered to offer a more sustainable source of construction aggregate for the Poole and Bournemouth markets. In recognition of the benefits of maintaining an alternate source of crushed rock in Dorset, Policy MS-3 of the Mineral Sites Plan 2019<sup>4</sup> allocates an extension to Swanworth Quarry. The proposed extension area at Swanworth Quarry is also identified as a Mineral Site Allocation within the plan, due to its ability to contribute to the adequate and steady supply of crushed rock in the region<sup>4</sup>.

At the beginning of 2020, the consented reserves of limestone remaining at Swanworth Quarry amounted to less than 200,000 tonnes which is sufficient for less than two years production. The proposed quarry extension would provide 2.4 million tonnes of additional limestone sufficient for a further 19 – 20 years extraction at a rate of up to 125,000 tonnes per year.

The extension area will be progressively infilled using imported inert material to return the landform to pre-existing levels. Clean, inert waste materials will be sourced locally or brought in from Suttles’ own inert waste treatment facility and used as infill material.

The total backfill volume required for the extension of the quarry has been calculated as 1,229,609 m<sup>3</sup>, of this material:

- 658,942 m<sup>3</sup> of material would be moved from the existing quarry (consisting of 191,441 m<sup>3</sup> on-site derived processed extractive waste)

---

<sup>4</sup> Dorset Council (2019) Bournemouth, Christchurch, Poole and Dorset Minerals Sites Plan 2019 [online]. Available at: [Bournemouth, Christchurch, Poole and Dorset Minerals Sites Plan 2019 \(dorsetcouncil.gov.uk\)](#) (Last accessed April 2024)



- 570,667 m<sup>3</sup> of material would be imported and directly placed in the extension (consisting of 115,497 m<sup>3</sup> on-site derived processed extractive waste), at an average of 80,000 tonnes per annum.

Only the amount of waste needed to carry out the backfilling and infilling activities will be used, otherwise non-waste will be used during the development of the extension of the quarry.

The majority of this material will be from recycled aggregate either sourced from the existing restoration activity at the Swanworth site or imported from other local sites for the purpose of the restoration.

The restoration would be managed and maintained as high quality, species rich habitats which would support the conservation objectives of the AONB, adjacent SAC and SSSI.

## 1.5 Waste acceptance

Only material that meets the Waste Acceptance Criteria (WAC) for Inert Landfill will be permitted for the use in the extension of Swanworth Quarry.

Only wastes with EWC codes listed in Table 1 will be accepted into the site.

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders and loose fibres;
- Hazardous wastes; and
- Wastes in liquid or sludge form.

**Table 1: Waste types to be accepted for restoration purposes only**

EWC Code	Description
<b>01 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07 <sup>5</sup>
<b>10 12</b>	<b>wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
<b>17 01</b>	<b>concrete, bricks, tiles and ceramics</b>
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	soil and stones other than those mentioned in 17 05 03
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>

<sup>5</sup> Please note that the intended waste that will be accepted under the EWC code 01 04 13, is offcuts of primary stone from Suttles own stone cuttingworks, which will be used as an inert waste for infilling. Only natural stone excavated from the ground is cut e.g. no manmade composite materials or similar are sawn.

## 1.6 Recovery Operations

- R3 - Recycle/reclaim organic substances which are not used as solvents
- R5 - Recycle/reclaim other inorganic materials
- R10 - Land treatment resulting in benefit to agriculture or ecological improvement
- R11 - Use of wastes obtained from any of the operations numbered R1 to R10
- R13 - Store wastes pending any of the operations number R1 to R12 except temporary storage pending collection on the site where it is produced

## 1.7 Requirements to update documents

In addition, an Environmental Risk Assessment (ERA) has been produced in accordance with the requirements of the Environment Agency guidance on applying for a bespoke Environmental Permit. The ERA identifies and minimises risks of pollution including those arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of a complaint. The ERA is presented in 100110814\_ERA\_SUT v1. The ERA works in conjunction with the Environmental Impacts and Aspects Register maintained by Suttles.

The site has a set of procedures for environmental monitoring which have been developed in compliance with the site's existing permit (Permit number EPR/CB3030RQ) and planning permission. These procedures for conducting environmental monitoring have been updated in accordance with the requirements listed in the Hydrogeological Risk Assessment (HRA) and the planning permission for the extension area. Procedures have been provided for monitoring water quality, noise emissions and dust control. Once the permit for the extension area has been granted, the site will update all relevant procedures and their management systems accordingly, based on the requirements of the permit for the extension area.

The general site plans have also been amended and updated to incorporate the additional information recorded as part of the permit variation. The updated plans are presented in Appendix B of 100110814\_WRP\_SUT v1.

The site is managed using technically competent personnel under the Waste Management Industry Training and Advisory Board (WAMITAB) scheme and the operator complies with all

October 2024

the requirements of the approved competence scheme. Certification of the WAMITAB qualified individuals for the site are presented in 100110814\_MP\_SUT vE.

