



7268

RED INDUSTRIES LTD

WALLEYS QUARRY LANDFILL SITE

ENVIRONMENTAL PERMIT VARIATION APPLICATION 2018

SUPPORTING STATEMENT

APPENDIX 2: NON-TECHNICAL SUMMARY

March 2019

Prepared for
Red Industries Limited



Prepared by
Egniol Environmental Ltd.
Llys Onnen
Ffordd y Llyn
Parc Menai
Bangor
GWYNEDD
LL57 4DF

1. INTRODUCTION

This Environmental Permit Variation application seeks, in accordance with the Environmental Permitting Landfill Regulations 2016, a permission to increase the annual waste inputs at Walleys Quarry Landfill Site from 250,000 tonnes to 300,000 tonnes.

The landfill site is situated near Newcastle-under-Lyme in Staffordshire, at National Grid Reference SJ831 460. Access to the site is gained via Cemetery Road which forms the western boundary to the site.

The site is a former clay quarry and covers an area of approximately 23.5 hectares. The surrounding area to the landfill is used for mixed industrial, commercial, suburban residential, amenity and agricultural purposes.

Landfill activities at the site commenced in January 2007 and the site has been operated continuously since then. Red Industries RM Ltd have owned and operated the landfill site since November 2016.

The site is divided into four distinct areas called cells which are engineered to contain the waste infill. To date waste placement has taken place in all the cells to varying depths, see Drawing No. 7268.D02.001. All cells are currently operational and accepting waste. Cell 1 has had an area covered with temporary cap (engineered containment) since 2013.

As of October 2018 approximately 2,233,218m³ of the initial 3,803,400 m³ waste void remains unfilled.

The company is dealing with increasing demand from industrial and commercial waste producers to dispose of the waste materials which cannot be recycled or otherwise recovered, as required by the current Waste Regulations. It is for this reason that Red Industries seek permission to increase the annual waste inputs at the Site.

The current Environmental Permit for the Site allows the company to accept a variety of non-hazardous wastes, including the residual waste from processing in a Materials Recycling Facility, commercial, industrial and inert waste materials. The site is also permitted to accept stable non-reactive hazardous waste in the form of asbestos containing material. No such hazardous waste has been accepted at the site since the take-over of the operational responsibilities by Red Industries, in November 2016.

2. OPERATIONAL BENEFITS OF THE PROPOSED VARIATION

By increasing the annual waste inputs to the Site, the company will be able to accelerate the progressive permanent capping (the final covering) of the landfill thereby reducing leachate generation, improving landfill gas management and minimising potential effects of amenity related issues such as odour, noise and dust.

The proposed increase to the waste inputs will not require any additional landfill void capacity or increase the site footprint. The site will be completed and restored to the original restoration levels which were agreed with the Local Planning Authority. There will also be no changes in the waste types which are already permitted for disposal at the Site.

3. SITE OPERATION

The landfill site manager is responsible for all ongoing waste operations at Walleys landfill site. The manager has an appropriate level of technical competence (WAMITAB certificate of technical competence for management, transfer and treatment of hazardous wastes). Red Industries have an Integrated Management System which covers Technical Standards (by written procedures) for waste acceptance and inspection, utilisation of gas, treatment of leachate, control of emissions, environmental monitoring, staff training, non-compliance procedures, equipment management, health and safety etc. The Management System is externally certified to ISO9001, ISO14001 and OHSAS 18001.

4. ENVIRONMENTAL IMPACT ASSESSMENT

The company consulted the Environment Agency (EA) on this variation application and have produced a number of supporting documents. In particular, the environmental issues which are relevant to the proposed increase in waste input rate were reassessed and management plans revised if necessary.

In communications with the EA, when checking via e-mail that the EA had not misunderstood the basis of the application, the following clarification was received from Francis Nwafar at the EA;

“Although your proposal is to increase the annual throughput and not the volume, we need to be satisfied that the proposed increase in waste input will not compromise the design of the landfill and the ‘assumptions’ that underline the design.”

It is on this basis that all documents have been reviewed, checking that the proposed increase in waste input rate does not impact on previous assumptions, and where it does updates to the documents have been made.

It should also be noted that the related vehicle movements for the year (2018) and for the proposed increase of permitted inputs to 300,000 tonnes/annum are in line with the planning conditions.

5. SUMMARY

It is Red Industries’ considered opinion that the proposed increased in waste input rates at Walleys Landfill site pose no additional environmental risk and will be managed in line with the current approved operational procedures and environmental management plans.