Watlington Quarry — Operating Techniques

A117209 May 2021

PRESENTED TO

Mick George Limited

6 Lancaster Way, Ermine Business Park, Huntingdon, PE29 6XU

Prepared by:

Michaela Fry Senior Consultant November 2021

Reviewed by:

Alice Shaw Senior Consultant November 2021

Authorised by:

Michael Jones Associate November 2021

PRESENTED BY

Tetra Tech

Geneva Building, Lake View Drive, Sherwood Business Park, Annesley, Nottingham, NG15 0ED

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1.0 INTRODUCTION

1.1 REPORT CONTEXT

- 1.1.1 This section of the Environmental Permit application corresponds to Section 3 of Part B4 of the Environmental Permit application forms and specifically details the operating and management procedures that will be in place at the site.
- 1.1.2 This Environmental Permit application has been prepared by Tetra Tech on behalf of the Operator, Mick George Limited (Mick George).

1.2 SITE SETTING

- 1.2.1 The application site forms part of the wider Watlington Quarry site in Norfolk and is located approximately 1.5km north east from the village of Watlington. The site is centred at approximate National Grid Reference (NGR) TF 63427 11556 and the environmental permit boundary is shown on Drawing Number MGL/A117209/PER/01.
- 1.2.2 Access to the site is achieved from an access road off Watlington Road located to the north of the site. Beyond the wider quarry site, the immediate surroundings are agricultural and the nearest residential property is considered to be Oak House which is located approximately 575m north of the application site.



2.0 OPERATING PROCEDURES

2.1 OPERATING HOURS

- 2.1.1 It is proposed to operate the quarry as below, this is consistent with the hours of working currently permitted in the existing quarry site area.
- Monday to Friday: 07:00 17:00; and
- Saturday: 07:00 13:00.
- 2.1.2 No work shall be undertaken on Sundays and Public Holidays.

2.2 PERMITTED ACTIVITIES

- 2.2.1 The proposal entails the importation of inert waste under a disposal permit to infill and progressively restore the quarry void that will be created following mineral extraction activities. The works will be completed in accordance with the proposed restoration scheme (Drawing Number W8/1/19/04) that was submitted as part of the planning application to Norfolk County Council.
- 2.2.2 It is considered that the proposed activities at Watlington Quarry will fall under the following Recovery and Disposal codes shown in **Table 1**, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19th November 2008 Waste.

Table 1: Proposed Permitted R/D Codes

R/D Code	Activity Description
D1	Deposit into or on to land

2.3 WASTE TYPES

- 2.3.1 Waste is defined as 'Any substance or object the holder discards, intends to discard or is required to discard' under the Waste Framework Directive (European Directive 2008/98/EC), which repeals the European Directive 75/442/EC as amended.
- 2.3.2 Permitted wastes accepted at the site will be strictly inert as classified under the Landfill Directive (1999/31/EC) and Council Decision (2003/33/EC) of 19th December 2002 'establishing criteria and



procedures for the acceptance of waste landfills'.

2.3.3 Inert waste is defined in Article 2 of the Landfill Directive 1999/31/EC as follows:-

'Inert waste' means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm to human health. The total leachability and pollutant content and the ecotoxicity of its leachate are insignificant and, in particular, do not endanger the quality of any surface water and/or groundwater.

2.3.4 Table 2 lists those wastes that may be accepted at the site, which do not require Waste Acceptance Criteria (WAC) testing under Council Decision (2003/33/EC) provided that they are inert and from a single source only (mixed loads from more than one site cannot be accepted without testing).

Table 2: Permitted Waste Types

EWC Code	Description	
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS	
01 04	Wastes from physical and chemical processing of non-metalliferous minerals	
01 04 08	Waste gravel and crushed rocks other than those mentioned in 01 04 07	
01 04 09	Waste sand and clays	
17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCASOLS FROM CONTAMINATED SITES)		
17 01	Concrete, bricks, tiles and ceramics	
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	
17 05	Soil (including excavated soil from contaminated sites) soil and dredging spoil	
17 05 04 [¤]	Soil and stones other than those mentioned in 17 05 03	
19 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTER TREATMENT PLANTS AND PREPARATION OF WATER INT		
19 12	Wastes from the mechanical treatment of wastes	
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 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES INCLUDI SEPARATELY COLLECTED FRACTIONS	
20 02	Garden and park wastes
20 02 02	Soil and stones

^a Selected construction and demolition waste with low contents of other types of materials (like metals, plastic, soil, organics, wood, rubber etc). The origin of the waste must be known.

- No C&D waste from construction, polluted with inorganic or organic dangerous substances e.g. because of production processes in the construction, soil pollution, storage and usage of pesticides or other dangerous substances etc., unless it is made clear that the demolished construction was not significantly polluted.
- No C&D waste from constructions treated, covered or painted with materials, containing dangerous substances in significant amounts.
- The origin of the wastes must be known and they will have low contents (<5% by mass per load of other types of materials (like metals, plastics, soil, organics, wood, rubber, etc).

2.4 WASTE QUANTITIES

2.4.1 The restoration of the site will require approximately 800,000m³ of material to be brought on to the site. When using a bulk conversion factor of 1.6 tonnes/m³ this equates to 1,280,000 tonnes. It is proposed that approximately 250,000m³ (or 400,000 tonnes) of material would be imported to the site per annum.

2.5 WASTE ACCEPTANCE PROCEDURES

2.5.1 Wastes will only be accepted onto the site if they comply with the list of wastes included in the permit. All vehicles delivering waste will be licensed waste carriers and each delivery must be accompanied by a relevant Waste Transfer Note, consistent with fulfilling the company's responsibilities under the provisions of the Duty of Care.

Basic Characterisation (Level 1)

2.5.2 Basic characterisation will ensure that the waste is suitable for acceptance at the regulated facility. The information to be supplied at this stage includes:-

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- Source and origin of the waste;
- Information on the process producing the waste;
- Appearance of the waste, e.g. physical form; and
- The List of Wastes (England) Regulations 2005 code.



- 2.5.3 The inert wastes will be accepted at the site without testing, provided that there is confirmation that they are single stream loads from known reliable sources and that they are accompanied by the required information. As noted above, the 17 05 04 code will specifically exclude excavated soil from contaminated sites.
- 2.5.4 Loads that contain wastes from multiple streams may be accepted together, provided they are from the same source, comply with the waste types specified in the permit and are accompanied by the required information.

On Site Verification

- 2.5.5 Each load of waste delivered to the site shall be, where possible, visually inspected before unloading. Each load will be inspected after unloading. These inspections will ensure that the waste conforms to the description compiled as part of the basic characterisation.
- 2.5.6 If there is uncertainty regarding the acceptance of wastes at the site, testing may be required. No wastes will be accepted onto the site if there is uncertainty as to its source, conformance with the conditions in the environmental permit and/or its suitability for the intended use.
- 2.5.7 Routine testing will be undertaken to confirm that the above procedures are adequate for controlling the nature of the incoming waste streams. This testing will be against the limits for inert waste landfill waste acceptance criteria (WAC). If the material is likely to come from a single source, one sample per 1,000m3 of the waste code will be taken and sent to a laboratory for analysis. The laboratory results will be reviewed and any breaches will be reported to the Environment Agency. A record will be kept of all WAC testing that is undertaken.
- 2.5.8 All site staff will be made aware of the waste acceptance procedures and will be trained in the procedures with dealing with non-conformances. The Site Manager will be responsible for ensuring that the procedures are implemented appropriately.

2.6 UNAUTHORISED AND REJECTED WASTES

2.6.1 Any loads or part loads identified as unacceptable upon discharge of the load shall be reloaded into the container and isolated whilst the Environment Agency are contacted by telephone. The most appropriate course of action shall then be agreed with the Environment Agency.



- 2.6.2 Any load or part load identified as unacceptable upon discharge of the load when the haulier has exited the site shall be isolated or quarantined on the site. The Environment Agency shall be kept informed of the subsequent course of action.
- 2.6.3 The following details of the rejected waste will be kept on site:-
 - Time and date of incident;
 - Haulier and vehicle registration number;
 - Customer;
 - Waste type; and
 - Reason for rejection.
- 2.6.4 For small quantities of paper, plastic, wood and metal, a skip or similar container will be located near the operational area for the operator to dispose of such materials. The skip will be removed from site once full and taken to a permitted facility for disposal or recovery where appropriate.
- 2.6.5 Records will be kept of all rejected loads and these will be made available to the Environment Agency.



3.0 REGULATED FACILITY INFRASTRUCTURE

3.1 SITE ACCESS

3.1.1 Access to the site will be achieved via the existing access road that is located to the north of the site (off Watlington Road) and is currently used as part of the mineral extraction activities that are currently permitted within the wider quarry site.

3.2 WEIGHBRIDGE AND WHEEL CLEANING FACILITIES

- 3.2.1 An existing weighbridge is located to the north of the site on the access road (as shown on Drawing Number W8/1/19/05/09 Working Scheme). This weighbridge will continue to be used as part of the activities proposed under this environmental permit application and will be maintained in accordance with the manufacturer's requirements.
- 3.2.2 If required, wheel cleaning facilities will be provided on site and if installed, will be checked on a monthly basis and any necessary work will be carried out as soon as practicable. In the event of a breakdown with prolonged downtime, additional road cleaning equipment will be provided. If necessary, a road sweeper will be contracted to clean the site access road.

3.3 FUEL TANKS

3.3.1 Tanks for fuel, oil and lubricants will be provided on site, and they will be appropriately bunded (with 110% capacity). These will allow the quick and efficient fueling and repair of the site machinery. The tanks will be maintained and inspected in accordance with the manufacturer's recommendations.

3.4 SECURITY

3.4.1 All vehicles delivering waste to the site will be required to report to the site office. Upon request, they may have to provide evidence of Registration as Waste Carriers. All other visitors to the site must sign the Visitors Book before proceeding onto the site and sign out prior to leaving.



- 3.4.2 A sign will be located at the site entrance detailing the name, address and telephone numbers of the permit holder, emergency contact numbers, site operating hours and the contact details of the Environment Agency. Any permanent changes to these details will be updated within 30 days. The sign will be located so that it does not encourage fly tipping and will be maintained in a satisfactory condition at all times. Signs will be erected on peripheral fences giving warnings of operations at the site.
- 3.4.3 A notice board will be maintained in the site reception area. A copy of the Environmental Permit and a copy of the company's 'Health and Safety Policy' will be displayed, together with any other relevant notices. A copy of all documents accompanying this application, detailing all site procedures will be kept in the site office.
- 3.4.4 The site will be secured from the public highway by substantial lockable gates at the site entrance and all reasonable precautions will be taken to prevent the unauthorised entry of the general public and the unauthorised depositing of wastes.



4.0 EMISSIONS CONTROL

4.1 POINT SOURCE EMISSIONS TO AIR

4.1.1 There will be no point source emissions to air as a result of this application.

4.2 POINT SOURCE EMISSIONS TO GROUNDWATER

4.2.1 There will be no point source emissions to groundwater as a result of this application.

4.3 POINT SOURCE EMISSIONS TO SURFACE WATER AND SEWERS

4.3.1 There will be no point source emissions to surface water or sewer as a result of this application.

4.4 FUGITIVE EMISSIONS

4.4.1 Fugitive emissions have been identified as a potential environmental risk resulting from the proposal, as detailed in the Environmental Risk Assessment that accompanies this application as Appendix C.

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5.0 ACCIDENT MANAGEMENT

- 5.0.1 All necessary measures will be taken to prevent the occurrence of accidents. The types of accidents and the potential environmental consequences associated with them have been identified in the Environmental Risk Assessment that accompanies this application.
- 5.0.2 It is considered that the most significant risk associated with the site is the unauthorised acceptance of non-compliant waste types. The waste acceptance procedures listed in Section 2 of this document aim to control and minimise this risk.

5.1 FIRE CONTROL

- 5.1.1 Fires from the acceptance of inert waste are considered unlikely due to the nature of the waste material. However, the operation and/or maintenance of mobile plant do pose a potential fire hazard, if precautions are not taken.
- 5.1.2 Firefighting equipment of a suitable type shall be kept at appropriate locations as advised by the Health and Safety Manager or the local Fire Service. Where appropriate, mobile plant will be fitted with firefighting equipment. All firefighting equipment shall be kept in good condition, unobstructed and be serviced at least once a year by a competent person. The site will be designated as a "no smoking area" and signed accordingly.
- 5.1.3 Any fire on the site will be treated as an emergency and will be extinguished at the earliest opportunity. If necessary, the Fire Service will be summoned. Any incidents of fire will be reported to the Environment Agency and recorded in the Site Diary.

5.2 SPILLAGE PROCEDURE

- 5.2.1 Material accepted at the site will be inert. The most likely source for spillages will be from fuel tanks or spillages of fuel or oil associated with plant and machinery.
- 5.2.2 In the event of a spillage of fuel/oil from site machinery or vehicles, the following procedures will be implemented:-
 - Clear the area straight away;
 - Lay absorbent granules over the spill to soak up the spillage;



- Use Personal Protective Equipment (PPE) provided on site if required;
- Once the liquid has all been absorbed use a shovel to clear up the waste, put it in a plastic sack
 and then place it in the container for non-compliant waste for disposal at a suitably permitted
 facility; and
- A record of the spill incident and remedial action taken will be recorded in the Site Diary.
- 5.2.3 Spillage kits will be maintained on site in order to respond to any spillage incident. The spillage kits will be kept securely in the site office.



6.0 SITE MANAGEMENT

6.1 TECHNICAL COMPETENCE

6.1.1 The site will be supervised by an individual who possesses the required level of technical competence. A copy of the Certificate of Technical Competence (COTC) is provided as Appendix A.

6.2 MANAGEMENT SYSTEM

- 6.2.1 The operator, Mick George, has a certified Environmental Management System (EMS) in place which is compliant with the requirements of ISO 14001. A copy of the company's ISO 14001 Certificate is provided as Appendix B of this document and a summary of the EMS contents is provided as Appendix C. The operator may update their EMS procedures from time to time to reflect working practice which will take precedent over the details contained herein.
- 6.2.2 All site operatives will be adequately trained in health, safety and environmental issues. Staff will only be permitted to undertake activities that they have been trained for. They will be made aware of the procedures they must follow in the event of an accident or incident and will be able to access any relevant documentation that they may require. All training, experience and qualifications of staff will be noted and these records will be maintained and kept up to date.



7.0 MANAGEMENT OF DOCUMENTATION

7.1 RECORD KEEPING

- 7.1.1 Mick George Ltd has a Management System which is compliant with ISO 14001 and this includes procedures for the management of documentation.
- 7.1.2 A record will be kept that provides details on all wastes deposited at the site. This will include details on waste types, quantities and the date of deposition. This will be provided to the Environment Agency at three-monthly intervals, within one month of the end of each period. A record of basic waste characterisation and any compliance testing or on-site verification will be maintained in the site office.
- 7.1.3 A site diary will be kept in the site office, and this will be updated daily. The diary will be used to record any accidents, incidents or complaints. This will provide an ongoing record throughout the period of operation at the site, and this will enable any investigative or corrective action that may be required.
- 7.1.4 The Environmental Permit and other documents containing information regarding the operation of the site will be kept in a convenient location, allowing access for any person that may be working at or visiting the site.

7.2 MAINTENANCE OF RECORDS

- 7.2.1 The site diary will be maintained and updated to include the following:-
 - The name of the technically competent person in attendance;
 - Weather conditions; Details of all visitors, including their status and times of arrival and departure;
 - Details of maintenance, modification, repair, replacement, delivery and return, and breakdown of any plant and machinery;
 - Damage to vehicles, fences, gates, etc. and incidents of trespass; and
 - Details of any complaints or environmental/health and safety incident.



8.0 INCIDENTS AND NON-CONFORMANCES

- 8.0.1 Mick George has procedures for investigating and recording any incidents and non-conformances at the site, and for taking any corrective action. Mick George has an EMS which is compliant with ISO 14001 and this includes procedures for handling incidents and non-conformances.
- 8.0.2 The following types of incidents will require investigation:-
 - Malfunction, breakdown or failure of plant and equipment;
 - Deviation from site procedures and operating techniques;
 - Near misses; and
 - Complaints from external parties.
- 8.0.3 All staff will be trained to detect and report any such occurrences. Procedures will be taken to allow operations to resume and preventative measures may be put in place to ensure that the incident does not reoccur.



DRAWINGS

MGL/A117209/PER/01 - Site Location and Environmental Permit Boundary

W8/1/19/04 - Restoration Proposals

W8/1/19/05/09 - Working Scheme



A117209

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APPENDIX A

Certificate of Technical Competence



WAMITAB

WASTE MANAGEMENT INDUSTRY TRAINING AND ADVISORY BOARD

CERTIFICATE No: 0048

OF TECHNICAL COMPETENCE

This Certificate confirms that

MR STUART RICHARDSON

has demonstrated the standard of technical competence required for the management of a facility of the type set out below

Facility Type:

MANAGING LANDFILL OPERATIONS:

SPECIAL WASTE (LEVEL IV) - L4-A



Authorising Signatures:

Director General

Director

Date of issue:

2 December, 1996



Certificate No. CCC18857

Continuing Competence Certificate

This certificate confirms that

Stuart Richardson

Has met the relevant requirements of the Continuing Competence scheme for the following award(s) which will remain current for two years from 12/10/2018

LH

Landfill - Hazardous Waste

TSH

Transfer - Hazardous Waste

Awarded: 12/10/2018

Expiry Date:

12/10/2020

Authorised

WAMITAB Chief Executive Officer

C 1000 fr

CIWM Executive Director



The Chartered Institution of Wastes Management





Our Ref: CJ/21/10/15

15 October 2018

Mr Stuart Richardson Mick George Ltd 6 Lancaster Way Ermine Business Park Huntingdon PE29 6XU Peterbridge House 3 The Lakes Northampton NN4 7HE

Tel: 01604 231950

Email: info.admin@wamitab.org.uk www.wamitab.org.uk

Candidate No. 2437

Dear Mr Richardson

Award of Certificate of Continuing Competence

Congratulations on your success in the Continuing Competence Test, please find your official certificate enclosed.

The Continuing Competence Certificate is awarded as part of the competence scheme developed jointly by WAMITAB and the Chartered Institution of Wastes Management (CIWM) and approved by Defra and the Welsh Assembly Government.

Please keep the certificate in a safe place as it provides evidence to show that you meet the requirements of The Environmental Permitting Regulations 2007 (and any subsequent amendments).

The Certificate is valid for two years from the date of taking the test, and the expiry date is clearly shown on the Certificate. You will need to make arrangements to take the test again by the date shown in order to maintain your competence status.

Yours sincerely

Chris James

Chief Executive Officer

Enc.



APPENDIX B

ISO 14001 Certificate



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Certificate of Registration

This is to certify that the Environmental Management System of

Mick George Group (comprising Mick George Ltd, MG Recycling Ltd, Mick George Earthworks Ltd and Mick George Concrete Ltd)

6 Lancaster Way, Ermine Business Park, Huntingdon, Cambridgeshire, PE29 6XU

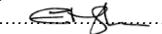
has been assessed by The Certification Group for conformance to the requirements of:

BS EN ISO 14001:2015

Scope of Registration

Contracting (including civil engineering, groundworks, demolition and asbestos management), Quarrying and Aggregate Production, Waste Management, Recycling and Ready- Mix Concrete production

Signed on Behalf of The Certification Group Certification Manager: Elaine Hanaghan



Registration No 2100491 Initial Certification Date 12/07/2016 Certificate Issue Date 13/09/2021 Certificate Expiry Date 10/09/2022

Issue No 13





The Certification Group Limited

This Certificate was issued electronically by The Certification Group Limited and Remains the Property of The Certification Group Limited and is bound by Conditions of Contract.

The Certification Group Limited, Archer House, Northbourne Road Eastbourne East Sussex BN22 8PW Reg: 10104589 United Kingdom Part 1 of Companies Act.

APPENDIX C

EMS Contents



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IMS Manual ISO 9001:2008	Document Ref: IMS 01	
ISO 14001:2004 OHSAS 18001:2007	Controlled / Uncontrolled	
System Manager:	Version: 4.0	Effective Date:
P Ayres		10/04/2019

Integrated Management System
For
ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007



THIS IS A CONTROLLED DOCUMENT

UNCONTROLLED WHEN PRINTED

IMS Manual	IMS 01	Version 4.0	10/04/2019
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