Non-Technical Summary

O'Brien Aggregate Marsden Ltd

Marsden Quarry Landfill Site Marsden Quarry

Whitburn Sunderland

Tyne and Wear

SR6 7NG

EPR/GB3206CB

Olive Compliance Ltd
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Northumbrian Way
Newcastle-upon-Tyne
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BASIS OF REPORT

This report has been prepared by Olive Compliance Ltd with all reasonable skill, care, and diligence, and taking account of the manpower and resources devoted to it by agreement with the client. Information reported herein is based on the interpretation of data collected and has been accepted in good faith as being accurate and valid.

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1.0 Introduction

O ' Brien Aggregate Marsden Ltd (OBAM) have instructed Olive Compliance Limited (OCL) to prepare an application for a Bespoke Environmental Permit Variation for their site located at Marsden Quarry , Sunderland.

This non-technical summary provides a summary of the regulated facility, an explanation of exactly what is being applied for, and a summary of the key technical standards and control measures that will be implemented at the site as a result of the application.

1.1 The Site

The site is located at Land at Marsden Quarry. Sunderland, SR6 7NG.

The site is principally bounded as detailed in Table 1 below;

Table 1

Boundary	Description
North	**Coastal / Transport Link**
South	**Residential / greenspace**
East	**Coastal / Tourist Feature**
West	**Public use space**

The site location and environmental site setting is shown below.

Image 1 – Site Setting

Based upon the Ordnance Survey Map with the permission of the Controller of Her Majesty's Stationery Office ©Crown Copyright Probe Environmental Services Ltd (100059960)

2.0 Permit Application

The subject site comprises an active limestone quarry and Inert Landfill. The site is largely free of structures with the exception of smaller site offices situated to the east in close proximity to the site entrance off A183, Coast Road.

The site operates between the hours of 07:00 and 17:00 Monday to Friday and 07:00 to 13:00 Saturday and is licenced to accept between 1,000 and 1,500 tonnes of Inert waste per day.

Access to the site is controlled with fencing provided to restrict unauthorised access, with security provided including 24hr Remote CCTV surveillance.

A small quarry lagoon is present adjacent the proposed wash plant location which is currently utilised for dust suppression. No further features of note have been identified following completion of the site inspection.

Changes to Waste Activities

Wash Plant

OBM wish to operate a wash plant is situated within a central location, approximately 280m from the site's eastern boundary, 240m from the site's southern boundary, and 200m and 340m from the site's western and northern boundaries respectively. The wash plant is positioned in an area which lies at an elevation approximately 30m below the quarry rim height as shown below.

The wash plant has been installed but is only in a commissioning phase.

Image 2 – Washplant Location

Removal of EWC Codes

The removal of EWC code from Table 2.1 of the permit.

- 10-11-03 Waste glass-based fibrous materials

Annex 1 of this report identifies the current EWC codes and tonnages and the proposed EWC codes and tonnages.

Activities – Inert Transfer Station

The variation seeks to add a washing activity to permitted activities, as shown below in Table S1.1 taken from the permit A2 activity – Inert Transfer Station with Treatment

Treatment consisting only of sorting, separation, screening, washing, crushing and blending of inert waste for recovery as a soil, soil substitute or aggregate

Table S1.1 activities	
Specified activity and WFD Annex I and II operations	**Activity description and limits of specified activity**
D1: Deposit into or on to land	The disposal of inert waste into or onto land.
Inert Transfer Station with Treatment	
D9 - Physico-chemical treatment not specified elsewhere which results in final compounds or mixtures which are disposed of by any of the operations numbered D01 to D12 D14 - Repackaging prior to submission to any of the operations numbered D01 to D13 D15 - Storage pending any of the operations numbered D01 to D14 (excluding temporary storage pending collection on the site where it is produced). R3 - Recycling/reclamation of organic substances which are not used as solvents R5 - Recycling/reclamation of other inorganic materials R13 - Storage of wastes pending any of the operations numbered R01 to R12 (excluding temporary storage pending collection on the site where it is produced).	Wastes having any of the following characteristics shall not be accepted: • Consisting solely or mainly of dusts, powders or loose fibres • Wastes that are in a form which is either sludge or liquid Treatment consisting only of sorting, separation, screening, crushing and blending of inert waste for recovery as a soil, soil substitute or aggregate Waste shall be stored and treated on hard standing or on an impermeable surface with a sealed drainage system. Waste types as specified in Table S2.1

Annual tonnage increase

The company wish to increase the tonnage for the Transfer Station activity from 75,000 to 250,000 to reflect the recycling activities conducted separately from the landfill operation. Tonnages are currently specified in Schedule 2 of the permit (S2.1) and Table S1.4 shown in Image 3 and 4 below.

Image 3 – Table 2.1

Table S2.1 Permitted waste types for disposal at a landfill for inert waste activity and waste treatment activity
The total quantity of waste accepted at the site for the waste treatment activity shall be no more than 75,000 tonnes per year

Image 4 – Table 1.4

Table S1.4 Annual waste input limits	
Category	**Limit Tonnes/ Year**
Inert Waste for disposal	450,000

3.0 Application Contents

In view of the foregoing, the application comprises the following elements:

1. Application forms (FORMS) Parts A, C2 ,C4 and F1);
2. Non-Technical Summary (NTS_OBAM);
3. Management System (EMS_OBAM);
4. Environmental Risk Assessment (ERA_OBAM);
5. WAMITAB/TCM information certification (TCM_OBAM);
6. Director Information (Directors_OBAM);
7. Operating Techniques (OT_OBAM);
8. Financial Information (FI_OBAM);
9. Drawings;
10. Pre App Discussion (PRE_OBM);
11. Wash Plant Management System (WASH_OBAM).
12. Site Condition Report (SCR_OBAM);
13. Dust & Emissions Management Plan (DEMP_OBAM); and
14. Habitats Assessment (HAB_OBAM).

3.1 Application Forms

Parts A, C2, C4 and F1 of the Environment Agency's application forms have been completed in support of the application and are enclosed as Section 1 of the application.

3.2 Non-Technical Summary

As part of the application this non-technical summary (NTS) is a concise document that provides a description of the application process should also provide an effective outline of all the key points set out in an Environmental Statement.

The Non-Technical Summary has been included in Section 2 of this application.

3.3 Environmental Management System

OBAM operate their own in-house management system which ensures 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 management system;
- Performance against the management system is audited at regular intervals; and
- The Environmental Permit is complied with.

A copy of the management system is included in Section 3 of this application with a supporting Operation Techniques Document (Section 7) of the application and a summary of the key technical standards for the management of the recycling facility is included in Section 4.0 of this non-technical summary.

3.4 Environmental Risk Assessment

An Environmental Risk Assessment (ERA) has been undertaken and submitted with the permit variation application to assess and mitigate risks associated with the proposed changes on the site. There will be no point source emissions to groundwater, surface water or air resulting from the waste activity, and neither will there be any site waste arising or global warming potential.

The ERA concludes that with the implementation of risk management measures, as described in the ERA, potential hazards from the facility are unlikely to be significant.

The Environmental Risk Assessment is included in Section 4 of this application.

3.5 Wamitab

Operations at the site will be under the overall control of a technically competent person who holds the relevant Certificate of Technical Competence (COTC) under the Waste Management Industry Training and Advisory Board (WAMITAB) scheme.

Evidence of competence is supplied within the application in Section 5.

3.6 Directors Information

Directors' information supplied in Section 6 of this application.

3.7 Operational Techniques

An Operational Techniques Document (OT) has been produced to support the application and a summary of the key technical standards for the management of the facility.

The OT document is included within Section 7 of this application.

3.8 Financial Information

Financial Information relating to the facility is included within Section 8 of this permit.

This information is confidential and has been redacted.

3.9 Drawings

The below drawings are included and referenced throughout the application.

Drawing 002	Permit Boundary
Drawing 003	Site Layout Plan
Drawing 004	Receptor Plan
Drawing 005	Washplant Schematic

3.10 Pre-application Advice

Pre application advice was requested from the EA in January 2023.

A copy of this advice is included within Section 10 of this application.

3.11 Wash plant Management Plan

A Washplant Management Techniques Document for the management of water within the washplant (WASH) has been produced to support the application and a summary of testing and sampling standards.

3.12 Site Condition Report

In line with EA guidance:

"It is in your own interest as an operator to produce a site condition report. An alternative approach would be for you to assume that the site is completely uncontaminated, irrespective of its previous history, but that would mean that any contamination by substances used at, produced or released from the installation that is discovered when you applied to surrender your permit would be considered to have resulted from your operation of your installation. You would then potentially be liable for remediation work, and would be unable to surrender your permit until you had completed it satisfactorily "

A Site Condition Report (SCR) has been produced in respect to this application and is included within Section 12 of this application.

3.13 Dust and Emissions Management Plan

As per the pre application advice received from the EA, a Dust and Emissions Management Plan been produced as part of the application.

A Dust and Emissions Management Plan (DEMP) has been produced in respect to this application and is included within Section 13 of this application.

3.14 Habitats Assessment

A Habitats Management Plan (HAB) has been produced in respect to this application and is included within Section 14 of this application.

4.0 Key Technical Standards

The key technical standards which will be employed to ensure that the proposed activities do not give rise to a significant environmental impact are summarised below:

- The Environmental Permitting (England and Wales) Regulations 2016;
- Develop a management system: environmental permits, February 2016;

- Control and monitor emissions for your environmental permit, February 2016;
- Risk assessments for your environmental permit, February 2016; and
- Sector Guidance Note S5.06: recovery and disposal of hazardous and non-hazardous waste, May 2013;
- Non-hazardous and inert waste: appropriate measures for permitted facilities
- Environmental permitting: landfill sector technical guidance, July 2014 updated Jan 25.

In summary, the rules and operating procedures employed at the site will ensure that:

- All waste is managed in accordance with the Environmental Permit and legal requirements;
- The management and prevention of fires on site will be controlled via the Fire Prevention Procedure;
- Any storage vessels, tanks or containers used for the storage of any liquid fuel oil or other potentially polluting liquids/materials shall at all times be labelled as to the contents, and will be fit for purpose;
- Vehicles and plant will be appropriately maintained to ensure that operation will not give rise to unacceptable noise or vibration levels; and
- The risk of fugitive emissions (dust, noise, odour, pest and litter) is minimised.

Procedures are in place for the regular inspection and maintenance of storage areas and associated infrastructure, including site surfacing, drainage systems and containment measures. Records will be maintained detailing any action taken to repair infrastructure and faults. An Accident Management Plan is maintained and regularly reviewed to assess and minimise environmental risks and hazards of accidents and their consequences.

5.0 Conclusion

The overall conclusion from the studies undertaken in support of the permit variation application is that there is unlikely to be a significant environmental impact upon potentially sensitive receptors as a result of the proposed Environmental Permit application.

OBAM is fully committed to ensuring the highest standards are met and will undertake its activities in a manner consistent with best industrial practices and with the implementation of the company's management system.

Annex 1 – Current List of Waste

Table S2.1 Permitted waste types for disposal at a landfill for inert waste activity and waste treatment activity	
The total quantity of waste accepted at the site for the waste treatment activity shall be no more than 75,000 tonnes per year	
Waste code	**Description**
10	**Wastes from thermal processes**
10 11	**wastes from manufacture of glass and glass products**
10 11 03	waste glass-based fibrous materials
15	**Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 07	glass packaging
17	**Construction and demolition wastes (including excavated soil 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 02	**wood, glass and plastic**
17 02 02	glass
17 05	**soil (including excavated soil from contaminated sites), stones 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 waste water treatment plants and the preparation of water intended for human consumption and water for industrial use**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 05	glass

20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 02	glass
20 02	**garden and park wastes (including cemetery waste)**
20 02 02	soil and stones

Proposed EWC Codes and Tonnages

Table S2.1 Permitted waste types for disposal at a landfill for inert waste activity and waste treatment activity	
The total quantity of waste accepted at the site for the waste treatment activity shall be no more than 250,000 tonnes per year	
Waste code	**Description**
15	**Waste packaging, absorbents, wiping cloths, filter materials and protective clothing not otherwise specified**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 07	glass packaging
17	**Construction and demolition wastes (including excavated soil 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 02	**wood, glass and plastic**
17 02 02	glass
17 05	**soil (including excavated soil from contaminated sites), stones 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 waste water treatment plants and the preparation of water intended for human consumption and water for industrial use**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 05	glass
20	**Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions**
20 01	**separately collected fractions (except 15 01)**
20 01 02	glass
20 02	**garden and park wastes (including cemetery waste)**

20 02 02	soil and stones