


Project details	Environmental Permit Variation Application – EPR TP3737YG/A004 O.C.O Technology Limited – Leeds Facility
Applicant details	O.C.O Technology Limited Leeds Aggregate Manufacturing Facility Hub 45 Knowsthorpe Gate Leeds LS9 0NX
Report details	EP Variation Application – Appendix E: Non-Technical Summary Document reference: OCO_2020.22/02_v1
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1 Introduction

1.1 General

O.C.O Technology Ltd (the 'applicant') has requested that Reva Environmental Ltd (the 'agent') prepares an Environmental Permit (EP) variation application, for its aggregate manufacturing facility at Hub 45, Knowsthorpe Gate, Leeds, LS9 0NX.

The facility treats air pollution control (APC) residues to create an aggregate that can be used in block manufacture. This is carried out in two production lines which can operate in parallel. APC residues are delivered in powder tankers and transferred into silos, then into a reactor where they are treated with carbon dioxide to lower the pH and reduce the leachability of some heavy metals. The material is then mixed with cement, sand, and water to turn it into pellets. The pellets are stored in covered bays and transferred to an adjacent factory to make blocks. Processing is all carried out in a building.

The facility is currently authorised by EP ref. EPR/TP3737YG which was originally granted in March 2018. An application is currently being determined (V003) and should precede any EP granted as a result of this, May 2020, application.

1.2 Current Site Status

The current EP allows the following activities to be carried out at the facility:

- 5.3 A(1)(a)(vi) – Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving the recycling or reclamation of inorganic materials other than metals or metal compounds (R5). This listed activity applies twice (AR1 and AR2) to reflect the two production lines and allows the applicant to treat certain hazardous wastes (a maximum of 280 tonnes per day and annual throughput of <60,000 tonnes) for the purposes of producing pellets; and
- 5.6 A(1)(a) – Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes (R13). The maximum storage capacity is given as 1900 tonnes at any one time, and a maximum storage time of 6 months is enforced, from the date of receipt of the waste.

Three directly associated activities (DAAs) are included as follows:

- Handling and storage of wastes, prior to treatment and recovery activities for hazardous wastes;
- Storage of raw materials for use within production lines AR1 and AR2; and
- Management of surface water for re-use and for discharge to sewer.

1.3 Application Objective

The applicant wishes to install a third treatment line at the site. The line will be an exact duplicate of the two existing treatment lines, will process the same permitted wastes, and will utilise the same permitted raw materials to produce the aggregate. It will be located to the north-west of the two existing production lines. It is proposed that the addition is addressed in the EP by way of the following changes:

- Inclusion of the third line as an additional listed activity under S5.3 Part A(1)(a)(vi) in Table S1.1. It is suggested that this is given activity reference AR2b to keep the references for the subsequent activities the same as they currently are;
- Increase of the daily treatment limit specified against AR1 and AR2 in Table S1.1, proportionally, from 280 tonnes per day over production lines 1 and 2 to 420 tonnes per day over production lines 1, 2 and 3;
- Increase of the total storage limit for hazardous waste specified against AR3 in Table S1.1. The current EP limits storage to 1,900 tonnes of waste at any one time. This is in 8 storage silos. The

proposal includes the addition of 2 more storage silos, an increase of 25%. The storage limit is therefore to be increased to 2,375 tonnes. The additional storage silos would be located to the northwest of the existing silos and on an extension to the existing silo foundation pad. The drainage gullies at the site are being moved to accommodate the extension to the silo pad;

- Increase of storage of binder/filler. This is currently in two silos in between the two sets of waste storage silos. An additional two silos are proposed to be installed, on an engineered pad, adjacent to the production building and existing CO₂ tank;
- Increase of CO₂ storage. There is currently a single CO₂ tank adjacent to the production building; a second would be added immediately to the southeast of this; and
- Inclusion of new emission points in Tables S3.1 for the dust vents on the two new waste silos (A13 and A14), and the two new binder/filler silos (A15 and A16).

It is also noted that the increased production capabilities will require the installation of two additional aggregate storage bays (product, not waste) to the south east of the site, next to the existing three bays.

2 Application Content

A substantial variation application has been made to the EA to vary the existing EP (ref. EPR/TP3737YG/V005) to include the proposed changes above. The application comprises the following documents, in accordance with the EP Regulations and sector guidance notes.

- EP Application Form – Parts A, C2, C3 and F1. The application form is provided at the front of the EP variation application document;
- Supporting Statement. This has been written to provide an explanation of the application to the EA and to provide signposts to the supporting information supplied in accordance with the application form;
- A copy of the current site EP;
- A copy of the pre-application advice provided by the EA, including a statement of the expected content and a habitat screening report;
- A copy of the proposed site layout plan, updated to include the new waste and raw material silos and tanks, the amended drainage layout, and the location of the third production line;
- Updated environmental risk assessment to take into account the presence of local nature reserves (LNRs) / local wildlife sites (LWSs) within the 2 km screening radius; and
- A copy of the best available technique (BAT) assessment submitted with the original 2018 application, that remains applicable to the site.