

PATRICK O'BRIEN

Non-Technical Summary – New Permit Application

August 2020

VERSION 2

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Site address:

Lane End
Urban Road
Kirkby in Ashfield
Nottingham
NG17 8AP

Revision History

Revision Date	Description	Sections Affected	Revised By
22.08.2020	Amendments made in relation to waste codes as requested by the Environment Agency at Application Stage	All	Laura Smith

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1.0 Introduction

- 1.1 Patrick O'Brien is applying for a new Bespoke waste permit for the storage and bulking up of mainly non-hazardous inert waste including waste from water treatment (19 08 01 Screenings from waste water treatment , washed soils/grit)
- 1.2 The proposed facility is based in a suitably engineered compound at Lane End , Urban Road , Kirkby in Ashfield , Nottingham , NG17 8AP. The proposed site sits less than 150m from another permitted waste management facility on the same lane (Central Waste UK Ltd)
- 1.3 Sensitive receptors around the site.
- The site is located within 500m of a Site of Special Scientific Interest and protected sites mainly being
 - (1) Kirkby Grives
 - (2) Kirkby Grives / Glasswork Grassland
 - (3) Deciduous Woodland
 - The site is not located within an AQMA (Air Quality Management Area)
 - The site is not located within 50m of any well , spring or borehole used for the supply of water for human consumption (including private water supplies)
 - The site is not within 250m of Great Crested Newts
- 1.4 The site shall be permitted shall be laid to concrete , fully impermeable and have a sealed drainage tank. There is a perimeter of fencing and secure gates to the site.
- 1.5 The operator has their own vehicles to bring the waste in. It is proposed that 95% of the waste brought into site shall be transported by the operator on their own vehicles with a 5% of loads brought in by another haulier from sites controlled by the operator. This shall not be a site which is open to any third party to tip unless this is strictly controlled by the operator. Patrick O'Brien proposes to use this site to facilitate a Seven Trent contract he has as the main source of waste income.
- 1.6 No treatment of the waste shall take place. Once arriving on site this shall be tipped into concrete block bays , bulked up and sent to either an authorised landfill facility or an authorised recycling facility.
- 1.7 Protected sites have been identified close to the proposed site. This has been taken into account when devising the Environmental Management System for site operations. It shall be noted that the site will not process waste and will only store the absolute minimum amount required before transferring to another facility , therefore the impact on the surrounding sensitive receptors is low but has been taken into account with all proposed operations.

2.0 Proposed operations

- 2.1 The proposed permitted operations shall take place on an area of the site which is laid to concrete , impermeable and has a sealed drainage tank. There shall be 2 concrete block bays which the waste shall be stored in and a JCB machine shall be used to “push up” the waste up into the bay. No treatment of the waste shall take place on site.
- 2.2 It is expected that there shall be no more than 10,000 tonnes accepted per annum with a storage limit on site of 96 tonnes. This is a small site so the capacity cannot be breached because there is not the room to allow this. Although the site does not have a weighbridge , all incoming/outgoing wastes shall be transported by vehicles that have onboard , calibrated weighing scales. Therefore, a weight can be produced for each load and a record of tonnages can be kept.
- 2.3 As well as the Environmental Permit , the site shall be ran in accordance with an Environmental Management System , Dust Management Plan and Odour Management Plan.

2.4 Waste acceptance at producer site

2.4.1 Mr O'Brien conducts his own collection of wastes on his own transport vehicles. Sometimes Mr O'Brien is driving the vehicles and other times he may have a trained driver to help out during busy periods. Mr O'Brien shall only work with a select few third party hauliers bringing waste into the proposed site. As well as Mr O'Brien any driver he employs and any third party haulier shall be aware of these controls , permit conditions and waste acceptance criteria. The proposed site shall not be open to allow any third party haulier to tip and will not be open for general public to tip. Due to the micro nature of the operation , each load brought in shall be strictly controlled.

2.4.2 Screenings from waste water treatment , washed soils/grit (EWC 19 08 01)

Patrick O'Brien has a regular contract with Seven Trent to remove washed and screened wastewater screenings , this is the main reason why Mr O'Brien has applied for an Environmental Permit to facilitate this contract. This non-hazardous waste is a 95% solid and 5% liquid (percentages vary depending on weather conditions for example in wet weather it may be an 8% liquid , in dry weather it may be a 3% liquid) state which is non-odorous due to pre-treatment at the Seven Trent Waste Water Plant. Each load is checked prior to receiving to ensure it does not contain an odour and is no more than 10% liquid state – the reason for this is that the higher percentage of liquid shall make the load heavier and breach transport carriage regulations. The waste type does not change and remains the same type and description for each load. A waste transfer note is produced for each load which states all necessary regulatory information required. Mr O'Brien shall reject any load and refuse to take it away if it is odorous , has changed in state , type or description or if Mr O'Brien thinks the load displays signs of hazardous properties. This is an ongoing regular waste movement which has been in contract with Mr O'Brien for the past 2-3 years , in that time there has never been an issue with the waste being non-conforming. Strict controls are adhered to at the Seven Trent wastewater plant therefore there is no reason to suggest that there ever would be a non-conforming load.



19 08 01 Screenings from waste water treatment , washed soils/grit

2.4.3 Ad-hoc collections of inert waste (EWC 17 05 04 (Soils) , 17 01 01 (Concrete) , 17 01 02 (Brick) , 17 01 03 (tiles and ceramics) , 17 01 07 (a mixture of concrete , brick , tiles and ceramics)

From time to time Mr O'Brien does take service ad-hoc jobs with his hiab lorry. These loads are inert only and the source checked prior to collection. These loads consist of inert soils from generally domestic properties , hardcore/bricks/mixed hardcore/brick from domestic properties or commercial properties such as construction sites. Each load is checked to ensure it has not come from a source which gives suspicion of contamination and a visual and olfactory inspection is carried out on each load prior to collecting from a customers site. Mr O'Brien can control any waste he collects because it is done with a hiab lorry , therefore he is aware of what is being loaded onto the vehicle and any wastes which do not conform to permit standards shall be rejected at source. The proposed site is not large enough to allow for non-conforming loads , therefore a strict control shall be placed on what is being collected at the producer site.

2.4.4 Waste transported by a third party haulier

Mr O'Brien has a very select few companies which he would be willing to deal with to bring waste into the site , therefore the percentage of loads from third party hauliers would be very low. Mr O'Brien shall ensure he has checked the producer site and waste prior to being brought back the proposed permitted site.

2.5 Site acceptance

- 2.5.1 Due to the micro scale of the operation Mr O'Brien shall conduct operations and tipping on the site by himself mainly. This may be himself tipping one load into the site or he will oversee the tipping of a third party load.
- 2.5.2 With Mr O'Brien having prior knowledge of what he has loaded onto his own vehicle or what has been loaded onto the third party vehicle this makes the waste reception process very simple and completely controlled.
- 2.5.3 Only 1-2 loads per day shall be tipped , predominantly by Mr O'Brien's own haulage vehicles. Each load shall be accompanied by a waste transfer note with the correct information displayed for that load. For any loads which are brought in by a third party Mr O'Brien shall over see this and ensure the load is accompanied by a conforming waste transfer note.
- 2.5.4 As previously stated there is no room on site to hold non-conforming waste therefore strict controls are applied to any waste accepted on site.
- 2.5.5 Mr O'Brien shall ensure an analysis is carried out (either by the producer or himself) on the waste type 19 08 01 (screenings from waste water treatment , washed soil/grit) to ensure it an inert waste prior to bringing it back the proposed facility. A copy of the analysis shall be held on file and will be passed onto any third party disposal site should they need to see it. If the manor in which the waste is processed at the producer site changes then a further analysis shall take place to ensure the waste still fits the inert category prior to acceptance.

2.6 Storage of inert waste

- 2.6.1 There shall be an impermeable surface with a sealed drainage tank that holds 2 concrete bays for the waste brought into site. These bays shall be clearly identifiable with signage. Bay 1 shall be used to store waste destined for landfill (a mixture of soils 17 05 04 and screenings from waste water treatment , washed soil/grit 19 08 01) and Bay 2 shall store waste which is destined for recycling (a mixture of 17 01 01 concrete , 17 01 02 bricks, 17 01 03 tiles and ceramics and 17 01 07 a mixture of concrete , brick , tiles and ceramics) .
- 2.6.2 A stock check shall be completed daily to show a clear record of how much waste is held on site at any one time. It is predicted that the waste on bay 1 shall not be stored for any longer than 2 weeks and waste on bay 2 shall not be stored for any longer than 4 weeks.
- 2.6.3 To facilitate the storage of the waste on the bays a JCB loading shovel shall be used to "push up" the waste / blend the waste in the bays to ensure no overspill and no cross contamination.
- 2.6.4 There shall be no processing of waste on site.

2.7 Emissions

- 2.7.1 It was proposed by the Environment Agency during the pre-application stage that a dust management plan and an odour management plan are adopted as part of the application. This has been done and these shall be followed during operational hours on site (Ref PO/HC/03 & PO/HC/04). As well as the proposed management plans the EMS shall detail other emission management procedures such as debris and mud , noise and vibration and litter.
- 2.7.2 All liquids held on site such as liquids used for plant maintenance shall be provided with secondary containment or in a leak-proof container stored on a spillage tray with the capacity to hold 110% of the container. All liquids for plant maintenance will be stored in the workshop building on site.

2.8 Sensitive receptors

- 2.8.1 At the pre-application stage a Site of Special Scientific Interest (SSSI) , Local wildlife area and Protected Habitats were identified in close proximity to the site. During a desktop survey conducted in house it was identified that there are various local businesses , residential houses , a trainline , recreational areas and various retail outlets within 500m of the proposed site.

- 2.8.2 All sensitive receptors have been taken into account when deciding on site operations which is why only a limited amount of waste shall be accepted at site with a minimal amount of vehicle movements. Taking into account the other local businesses on the same lane including the other waste facility , the operations proposed by Mr O'Brien shall have a very minor effect on local sensitive receptors.
- 2.8.3 When drawing up the operational procedures for the site all sensitive and local receptors shall be taken into account specifically the SSSI , local wildlife site and protected habitats as identified in the initial screening.

3.0 Management

- 3.1 The operator shall ensure that all key management systems , environmental permit and any management plans are implemented on site at all times and managed effectively to prevent any pollution from the site operations. Mr O'Brien shall be the key person to control operations on site and shall ensure effective training is carried out with any persons he shall employ to help with site operations.
- 3.2 Mr O'Brien shall employ a third party Environmental Consultant to attend site for the expected hours weekly. The consultant shall hold the relevant technical competence to ensure site operations are running in line with current regulation and shall be there to advise and instruct Mr O'Brien of any up and coming changes to legislation.
- 3.2 Records demonstrating compliance with the environmental permit and management systems and plans shall be maintained and stored on site within the site offices. These records shall be made available for inspection by local and regulating authorities at any time the site is operational

3.4 Records

- All incoming and outgoing material shall be logged and a weight recorded from the on board vehicle scales. All waste transfer notes shall be completed , stored and kept in line with Duty of Care Regulations for the life of the permit.
- A site diary shall be kept on site which will record operational hours , record of technical management attendance , weather , and irregular conditions which may effect site operations such as severe wind / rain etc.
- An Environmental Management System shall be implemented on site which covers all aspects of site operations , monitoring , procedures and policies.
- Management plans shall be implemented and records held on site.
- A record of each end destination facility for the material produced on site shall be kept and regularly updated. The record shall contain the facilities address, contact information and Environmental Permit or Exemption.
- All records kept by the operator shall be:
 - Legible
 - made as soon as reasonably practicable
 - with amendments which are auditable
 - be kept on site
 - be available for inspection by employees and local & regulating authorities at any time
 - and , be kept for the life of the permit

4.0 Schematic Site Plan

