

Engreen Environmental Consultants Ltd.

Report Title: Non-Technical
Summary

Client: Woolley Bros.
(Wholesale Meats)
Limited

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**Report
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Submitted to:

Environment Agency

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Report Issue History		
Report Number	Date	Comments
P179-R07-D1/D2	September 2020	Draft for Client Review
P179-R07-F1	19.10.20	Final for EA Issue

1 Non-Technical Summary

1.1 Introduction

See Report Ref: P179-R01-F1 – Installation Information

This document is the Non-Technical Summary for the Environmental Permit Variation application for the Woolley Bros Rother Valley Abattoir, located in Holbrook, Sheffield. The National Grid Reference for the centre of the site is SK 44803 82046.

A Permit Variation application is to be made as the company are expanding their operations. The primary change to site activities will be an extension added to the Northern part of the existing abattoir building, to increase capacity for chilling, cutting, preparing, and dispatching of meat products.

The facility is required to apply for an variation of their existing Environmental Permit (EP) in order to comply with the Environmental Permitting (England and Wales) Regulations 2016, SI 2016/1154. The relevant sections of the Regulations to describe the prescribed processes are:

Listed Activities	
EPR Schedule 1 Reference	Description
Section 6.8 A(1) (b)	Slaughtering animals at a plant with a carcass production capacity of more than 50 tonnes per day.
Section 6.8 A(1) (d)	Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed (where the weight of the finished product excludes packaging)—.
(i)	only animal raw materials (other than milk only) with a finished product production capacity greater than 75 tonnes per day;

1.2 Description of the Installation

See Report Ref: P179-R01-F1 – Installation Information

See Report Ref: P179-R06-F1 – Site Drawings

1.2.1 Site Changes

Woolley Bros operate a red meat abattoir. The main activity undertaken at the abattoir is the slaughtering of cattle. The site currently has the capacity to slaughter c.300 cattle per day equating to a carcass production capacity of c.90 t / day. A Permit Variation application is to be made as a result of the company expanding their business which will result in the following proposed changes to existing operations:

- Site are looking to expand the operations undertaken on site through extending the Northern part of the abattoir building to increase capacity for chilling, cutting, preparing, and dispatching of meat products.
- The extension of the site extends outside of the current Permit boundary and therefore the Installation boundary has to be expanded to ensure it covers Permitted operations.
- Addition of a Schedule 1 Activity – Addition of a Schedule 1 activity for a finished product production capacity greater than 75 tonnes per day to the Permit.

- New Emission Points - Addition of emission points to foul and surface water sewers;
- Installation of small domestic boiler to be installed within the new extension.

1.2.2 Emissions

The table below details the point source releases to water from the site.

Table 1.2.1 – Point Source Emissions to Water			
Emission Point Reference	Discharge Description	Discharge	New or Existing Emission Point listed within the Permit
E1 – Located on Southern Permit Boundary	Existing trade effluent and foul discharge from site which has been screened and discharged to combined sewer. Surface water from the yard service areas and the Office car park discharge via this emission point, following filtration via interceptors and Triton Type storage tank. Further detail of the new surface water system is provided below. Domestic foul sewage from the new build will be connected to the existing foul drainage system.	Yorkshire Water Combined Sewer -	Existing
S1 - Located on Western Site Boundary	Extension of the Permit Boundary incorporates the existing Vantage House Office block within the Installation Boundary. This discharge is the clean roof rainwater runoff and storm overflow from the office and staff car parks.	Yorkshire Water - Surface Water Sewer	New
F1 – Located on Western Site Boundary	Extension of the Permit Boundary incorporates the existing Vantage House Office block within the Installation Boundary. This discharge is the domestic foul sewage from the office block.	Yorkshire Water Foul Sewer -	New

1.2.3 Fugitive Emissions

The installation will undertake thorough infrastructure and planned preventative maintenance programmes that will be designed to ensure there is no loss of integrity to the systems in place to prevent fugitive emissions to air, land and to controlled waters.

1.2.4 Raw Materials and Waste

There will be no change to the raw materials used on site. In addition, meat product for operations undertaken in the new extension will primarily be sourced from the existing abattoir process.

There is anticipated to be a slight increase in the volume of water and cleaning materials used on site in order to ensure compliance with food hygiene requirements.

There is anticipated to be a slight increase in the following wastes / ABP produced at site –

- Animal By-Products from cutting and trimming processes.
- General waste - Predominately from domestic facilities provided within the new building.
- Small amounts of packaging materials.

Any significant changes in raw material usage and wastes produced will be quantified as part of the four yearly resource utilisation assessment required by site's Environmental Permit.

1.2.5 Energy

The table below presents existing and anticipated data on energy use at the installation.

Fuel	2018 Annual usage (MWh)	Estimated future annual usage (MWh)
Electricity	1810	c.2260
Notes 1: Estimate based on c.25% increase in electricity		

Site management are committed to implementing housekeeping, operational and maintenance procedures to ensure that energy is used as efficiently as possible.

1.3 Environmental Risk Assessments

1.3.1 Environmental Risk and Impact Assessment

See Report Ref: P179-R02-F1 – Environmental Risk and Impact Assessment

The Environmental Risk and Impact Assessment has identified those processes and activities on site that have the potential to create an environmental impact on identified environmentally sensitive receptors, under normal, abnormal and emergency (accident) scenarios.

The results of the assessment have been summarised in Table 1.3.1 below.

Item Evaluated	Impact Assessed
Amenity (litter / vermin / mud / fire)	Insignificant impact, no further assessment required.
Odour	Insignificant impact, no further assessment required.
Noise	Insignificant impact, no further assessment required.
Fugitive Air Releases	Insignificant impact, no further assessment required.
Surface Water	Insignificant impact, no further assessment required.
Groundwater	Insignificant impact, no further assessment required.
Air	Insignificant impact, no further assessment required.
Waste Produced	Insignificant impact, no further assessment required.
Global Warming Potential (GWP) / Photochemical Ozone Creation Potential (POP).	Values calculated.

The assessment has demonstrated that for the majority of operations and their potential impacts, there is a low/insignificant environmental risk associated with the activities outlined within the permit application. Therefore, no further assessments or mitigation measures are considered to be necessary for these activities/impacts.

1.4 Environmental Management System

See Report Ref: P179-R04-F1 – EMS Summary

During Permit determination site management will ensure their bespoke Environmental Management System (EMS) is reviewed and updated where necessary to ensure all site operations are covered by the EMS. The EMS will continue to be audited at regular intervals to ensure continued compliance, implementation and effectiveness.

All staff will have clearly defined roles and responsibilities. Responsibility will be designated to a management representative for ensuring site operations are carried out in accordance with the varied Environmental Permit, to liaise with the Environment Agency as required and liaise with the public with regard to complaints.

1.5 Site Condition

See Report Ref: P179-R05-F1 – Site Condition Report

The site condition of additional land to be included within the Permit has been assessed in line with current Environment Agency guidance. Site Management confirmed that there have been no recorded pollution incidents, nor any use of the land which may have led to ground contamination issues that they are aware of.

1.6 Technical Standards

See Report Ref: P179-R03-F1 BAT Assessment

The Best Available Technique requirements for the varied operations at the installation with details on how these are met have been assessed. Relevant Best Available Technique requirements have been met, where applicable.