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BARR ENVIRONMENTAL LIMITED

BARR KILLOCH ENERGY RECOVERY PARK

ENVIRONMENTAL STATEMENT

MAY 2015

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DATE ISSUED: May 2015
JOB NUMBER: LE12479
REPORT NUMBER: REP-004

BARR ENVIRONMENTAL LIMITED

BARR KILLOCH ENERGY RECOVERY PARK

ENVIRONMENTAL STATEMENT

MAY 2015

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1 INTRODUCTION

1.1 Development Proposal

- 1.1.1 Barr Environmental Ltd (hereafter referred to as 'Barr') is seeking planning permission for an Energy Recovery Park (ERP) at Killoch, off the A70 between Ayr and Cumnock in East Ayrshire. The site is located as shown on Drawing Number LE12479-001. A Proposal of Application Notice (Ref. 15/0004/PREAPP) was submitted to East Ayrshire Council on 3rd February 2015.
- 1.1.2 Barr is one of Scotland's leading waste management companies, whose facilities currently provide waste treatment, recycling and disposal services to maximise recycling and increase diversion from landfill. Barr has operated in Ayrshire for over 150 years with 20 years' experience in waste management. Barr currently processes 250,000 tonnes of waste annually, which includes waste generated from East Ayrshire, South Ayrshire, West Dunbartonshire and Argyll and Bute Councils.
- 1.1.3 The proposed development site is the head office of Barr at Killoch, near Ochiltree, which currently incorporates a number of office and storage buildings, asphalt plant and associated infrastructure (operated by Breedon Aggregates), Killoch Training Centre and bare ground used as a laydown area for equipment and storage of materials. In addition, there is a visitor/employee car park and a weighbridge which will be retained as part of the proposed development.
- 1.1.4 The proposal is to build and operate an energy recovery park at the site which has historically been used as a coal mining and processing facility. It is proposed to build a facility with the capability to process, recycle and reuse residual household waste which until now has been destined for landfill or export, to generate energy in the form of heat and electricity. The proposed ERP will have the capacity to handle 120,000 tonnes of household waste per year (see Chapter 4 of this ES for further information).
- 1.1.5 The facility will use mechanical treatment and gasification technologies to recover recyclate materials, where practicable, and generate heat and power from the remaining residual wastes. The energy recovery park will incorporate a material recovery facility (MRF) which will generate refuse derived fuel (RDF) to be utilised within the energy recovery gasification facility. The gasification facility will extract heat energy from the RDF through a process of gasification, while reducing the volume of the solid material. The proposed MRF and gasification facility will both be located within a single building and a 55m high stack will be located at the west of the site

adjacent to the gasification facility. The ERP will be operated under the terms of a Pollution Prevention and Control Permit.

- 1.1.6 A review of national, regional and local planning policies has been undertaken together with a review of guidance relating to waste management development. It has been confirmed that there is no conflict with the relevant planning policy in regard to the proposed development. The proposed development will support the Scottish Government's Zero Waste Plan by diverting waste away from landfill and contributing to recycling targets. This is discussed in detail in the Planning Statement which has been submitted in support of the planning application for the development.

1.2 Environmental Impact Assessment

- 1.2.1 All projects listed in Schedule 1 of the Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2011 require Environmental Impact Assessment (EIA).

- 1.2.2 The proposed development falls within Schedule 1, Section 10:

"Waste disposal installations for the incineration or chemical treatment (as defined in Annex I to directive 2008/98/EC under heading D9) of non-hazardous waste with a capacity exceeding 100 tonnes per day."

- 1.2.3 The threshold value is exceeded as the proposed development is to treat more than 100 tonnes of non-hazardous waste per day.

- 1.2.4 It is therefore deemed that EIA is formally required for the proposed development due to the potential for the significant environmental effects that may arise from factors including the development characteristics, location and nature of the likely environmental impacts.

- 1.2.5 A Request for a Scoping Opinion was submitted to East Ayrshire Council on 6th March 2015, attached as Appendix 1.1. A Scoping Opinion was issued on 24th April 2015 and is attached as Appendix 1.2. The manner in which the outcome of this has influenced the scope of the EIA is discussed in Chapter 2 of this Environmental Statement (ES).

- 1.2.6 The scheme has been conceived, developed and refined through extensive process design iteration. The holistic approach that was adopted has ensured that all environmental considerations have been properly reconciled in the development proposal.

1.2.7 This ES documents the findings of the EIA of the proposed scheme. It has been prepared by Wardell Armstrong LLP on behalf of Barr. It is accompanied by a separate Non-Technical Summary (NTS) also prepared by Wardell Armstrong LLP.

1.3 This Application

1.3.1 Barr has appointed Wardell Armstrong LLP to prepare a planning application for the proposed ERP at Killoch. The planning application consists of three volumes:

- Volume 1: Planning Application and Supporting Statement;
- Volume 2: Environmental Statement and Non-technical Summary; and
- Volume 3: Design and Access Statement.

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