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BARR ENVIRONMENTAL LIMITED

BARR KILLOCH ENERGY RECOVERY PARK

GROUND INVESTIGATION REPORT

DECEMBER 2017

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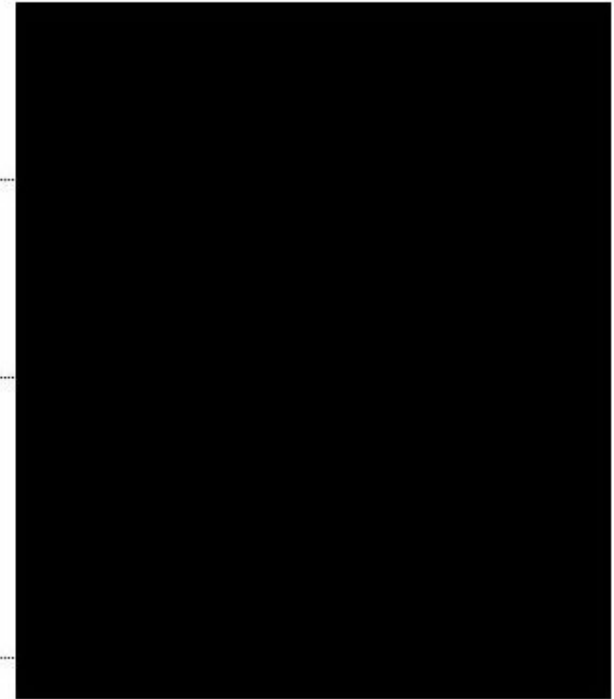
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CONTENTS

1	INTRODUCTION.....	1
2	SCOPE OF GROUND INVESTIGATION	5
3	GROUND CONDITIONS.....	9
4	GEOTECHNICAL ASSESSMENT OF PROPOSED DEVELOPMENT.....	15
5	CONTAMINATED LAND RISK ASSESSMENT.....	19
6	CONCLUSIONS AND RECOMMENDATIONS.....	38

APPENDICES

Appendix A	Planning Layout
Appendix B	Desk Study Report
Appendix C	Correspondence with East Ayrshire Council
Appendix D	Ground Investigation Factual Report (logs and laboratory results)
Appendix E	Gas and Groundwater Level Monitoring Results
Appendix F	Cross Sections

DRAWINGS	TITLE	SCALE
LE12479-001	Site Location	1:50000
LE12479-018	Ground Investigation Locations	1:2000

1 INTRODUCTION

1.1 Instruction

- 1.1.1 Wardell Armstrong LLP (WA) were commissioned by Barr Environmental Limited, in August 2017, to undertake a ground investigation relating to a proposed Energy Recovery Park at their Killoch site, south west of Ochiltree, East Ayrshire.
- 1.1.2 Planning permission (reference number 15/0413/PP) for the erection of an Energy Recovery Park and associated infrastructure and landscaping was approved in June 2017. The planning layout, referenced 14113 PL02, is attached as Appendix A. The ground investigation was commissioned to enable the discharge of Planning Conditions 11 and 12, relating to ground contamination and mine gas.
- 1.1.3 The site is located approximately 14km east of Ayr and 9km west of Cumnock, adjacent to the A70 linking the 2 towns. It is located 3km south west of Ochiltree and is approximately 8 hectares in area. The approximate centre of the site is at OS National Grid Reference 248000E 620400N and is located as shown on Drawing Number LE12479-001.
- 1.1.4 WA prepared a Desk Study report ref LE12479-001, dated March 2015 (attached as Appendix B). It was concluded in the Desk Study that potential pollution linkages existed between contaminants in the made ground located on site and off site. It was also highlighted in the Desk Study that there was a potential for ground gas generation from the made ground at the site and from the former Killoch Colliery north of the site.
- 1.1.5 It was concluded in the Desk Study report that a ground investigation was required to further assess the geotechnical and chemical nature of the ground and to assess the ground gas regime at the site.
- 1.1.6 Following an assessment of the mining history of the site and surrounding areas, it was concluded in the Desk Study that the risk from the collapse or settlement of underground mine workings beneath the site could be sensibly discounted due to the depth and ages of the workings and would have no impact on the proposed surface