



Retford Circular Economy Project Environmental Statement Addendum – Volume 3 Technical Appendices



Technical Appendix 12.2: Interim Noise
Technical Note (May 2023)

January 2024

Project No.: 0695864

Document details	
Document title	Retford Circular Economy Project Environmental Statement Addendum - Volume 3 Technical Appendices
Document subtitle	Technical Appendix 12.2: Interim Noise Technical Note (May 2023)
Project No.	0695864
Date	January 2024
Version	1.0
Author	Environmental Resources Management
Client Name	Lound Hive Limited

TECHNICAL NOTE – RETFORD CIRCULAR ECONOMY PROJECT

The purpose of this Technical Note is to provide a response to Nottinghamshire County Council ('NCC') comments regarding the proposed Retford Circular Economy Project ('RCEP') at the former ash disposal lagoons south of Lound, Retford. The Environmental Statement ('ES') has been submitted to the NCC and comments have been received from Joel Marshall (via email on 15/05/2023) Principal Planning Officer of NCC.

This Technical Note is supplemented by the following figures, submitted as part of the planning application:

- Plan 018 – Cross Sections Plan; and
- Plan 014 – Temporary Processing Area Plan.

Working Scheme – PFA Extraction

The working scheme for the extraction of PFA has been designed to manage and mitigate potential noise impacts at the boundary of the site and at the closest noise sensitive receptors.

The extraction of PFA would occur following soil stripping and would begin in areas of the site that are located at maximum distance from the nearest noise sensitive receptors.

During initial phases of operation, it is proposed that an excavator would dig down to approximately 5 m below the surface level of the existing PFA lagoons in order to create a bench or multiple benches. The extraction would then commence at the lower level across the extraction area. As the works progress in this manner, the works would be screened by the benches and the existing lagoon embankments. As extraction works progress towards the embankments, excavation machinery would be located at a depth of up to 10 m, increasing the noise screening effect of the existing embankments. **Plan 018** identifies the embankment heights at the boundary of the site.

Temporary Processing Sites

Temporary Processing Sites (1-3) would benefit from further noise protection measures such as bunds and/or acoustic barriers. The layout of the Temporary Processing Sites is identified in **Plan 014**, which incorporates acoustic barriers. It should be noted that the proposed Temporary Processing Sites are located at a distance of over 250 m from the nearest residential receptors.

Ben Mills BSc MIOA

Senior Acoustic Consultant

ACCON UK Limited

ERM has over 160 offices across more than 40 countries and territories worldwide

ERM's York Office

1C Swinegate Court East

3 Swinegate

York

YO1 8AJ

T: +44 1904 715470

www.erm.com