

TECHNICAL NOTE – NOISE MONITORING

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Introduction

1.1 This note sets out the noise survey methodology that will be applied in order to discharge the condition attached to the planning consent (19/00027/Wasful) for Brookfield Waste Site, Corby.

1.2 Condition 35 states:

No development shall take place until a scheme for monitoring noise levels arising from the operations at the site at the nearest residential properties, has been submitted to and approved in writing by the Waste Planning Authority. The scheme shall provide for:

- a) *Details of the noise monitoring locations.*
- b) *Attended measurements by a competent person of Laeq 5-minute noise levels over 1 hour at each of the monitoring locations identified. Measurements to be taken within one month of waste processing operations at the site commencing and then at 6 monthly intervals or such other frequency as may be agreed in writing with the Mineral Planning Authority for the first two years of operation.*
- c) *Details of equipment proposed to be used for monitoring.*
- d) *Monitoring during typical working hours with the main items of plant and machinery in operation;*
- e) *The logging of all weather conditions, approximate wind speed and direction and both on site and off site events occurring during measurements including 'phased out' extraneous noise events;*
- f) *Monitoring results to be forwarded to the Waste Planning Authority within 14 days of measurement*

1.3 In order to discharge the above condition, we shall:

- Undertake an environmental noise survey at the locations detailed below (as previously discussed with the EHO) to assess the prevailing background sound level without the proposed application site in operation. Each survey will consist of 5-minute intervals over an hourly period. The microphone will be located at a height of 1.5m above ground and away from any reflective elements. All noise measurements were undertaken by an experienced consultant competent in environmental noise monitoring, and, in accordance with the principles of BS 7445: 2003: *Description and measurement of environmental noise*. Further, all acoustic measurement equipment used during the noise surveys conformed to Type 1 specification of British Standard 61672: 2003: *Electroacoustics. Sound level meters. Part 1 Specifications*. The surveyors will annotate the noise surveys for an assessment in accordance with BS4142:2014+A1:2019. The noise surveys will be conducted during typical working hours of the plant during times of suitable weather.
- Once the application site is in operation, we shall undertake another survey at the same locations using the same methodology as above.
- Once the surveys are complete, a comparison of background noise levels with operational noise levels will be made in accordance with BS4142:2014+A1:2019.
- We will provide a technical report outlining our findings.

Noise Monitoring Locations



1.4 The noise monitoring locations shown above are:

Location 1 – Pea Green Lane;
Location 2 – Weldon Lodge;
Location 3 – Larratt Road

1.5 In addition to above, the EHO has requested for the following receptors to be included:

Location 4 - 24/7 Morrison's Freezer Centre & RS Components;
Location 5 - Travellers' sites, at Dunlop Close

1.6 However, it should be noted that the noise surveys at the above locations may be constrained by access arrangements and precise survey points will be determined and noted when on site.