



MURROW AD PLANT LTD PERMIT VARIATION APPLICATION MARCH 2023

Summary of Changes

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Murrow AD Plant Ltd

REPORT SCHEDULE

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1. INTRODUCTION

1.1. Introduction

- 1.1.1. The Applicant is applying to vary the current site permit to reflect a number of changes at the site. The site is currently permitted under standard rules permit SR2021 no8 which applies to on-farm anaerobic digestion (AD) installations with a capacity to process over 100tonnes of feedstocks a day, and up to 100,000tonnes of feedstocks per annum.
- 1.1.2. The changes to the operation mean that the activity will no longer meet the standard rules set criteria, and so the operator is now required to vary the permit to become a bespoke AD installation permit.
- 1.1.3. The following changes are now planned.

2. CHANGES TO PERMIT

2.1. List of Changes

- 2.1.1. The operator wishes to make the following changes to activities at the site.
 - a. Extension of the green line permit boundary to include a further area of clamp/feedstock storage area.
 - b. Small changes to the green line permit boundary to 'regularise' the permitted area to reflect the 'as built' footprint of the site on the ground. These small changes result in addition of small areas to the permitted area.
 - c. Addition of a carbon dioxide (CO₂) recovery unit and associated final liquid CO₂ storage tank, within the current permitted area of the site, to recover CO₂ that is removed from biogas in the biogas upgrading process and currently vented to atmosphere. The final recovered CO₂ will achieve food grade specification and end of waste product status.
 - d. An increase in the annual feedstock tonnages processed at the AD site to a maximum of 125,000tpa.
 - e. The addition of a procedure to test and release clean surface water from clean site areas to surface water and the addition of release points as emissions points on the site plan.

- f. A change from standard rules permit to bespoke permit to allow for an increase in annual tonnages requested which fall outside the current standard rules permit rules set.

