



Duranta Teesside Limited Permit Variation Application

June 2026

List of Changes



Prepared for
DurantaTeesside Limited



REPORT SCHEDULE

Client: Duranta Teesside Limited

Project Title: Duranta Teesside Limited Permit Variation

Document Title: List of Changes

Document Reference: CB2255-01

Report Status: FINAL V1.0

Project Manager: Jo Chapman (Chapman Beck Limited)

AUTHOR	DATE
Jo Chapman	26.6.26

REVIEWER	DATE
Sri Brahma	03.07.26

APPROVED	DATE
Sri Brahma	03.07.26

DISCLAIMER

This report has been prepared by Chapman Beck Ltd. with all reasonable skill, care, and diligence. It has been prepared in accordance with instructions from the Client and within the terms and conditions agreed with the Client. The report is based on information provided by the Client and our professional judgment at the time this report was prepared.

The report presents Chapman Beck's professional opinion and no warranty, expressed or implied, is made.

This report is for the sole use of the Client and Chapman Beck Ltd. shall not be held responsible for any user of the report or its content for any other purpose other than that for which it was prepared and provided to the client. Chapman Beck Limited accepts no liability to third parties.

TABLE OF CONTENTS

1. LIST OF CHANGES	1
--------------------------	---

1. LIST OF CHANGES

1.1. Introduction

- 1.1.1. Duranta Teesside Limited is the operator of a biogas AD facility referred to as the 'Teesside AD Power Plant', located at Forty Foot Road, Middlesbrough, Cleveland, TS2 1HG, NGR NZ 48840 21016. The site is operational according to permit reference EPR/YP3236RW.
- 1.1.2. The operator has applied for planning permission to develop a new and additional area of land immediately adjacent to the existing permitted AD facility. The development will enable increased gas production and will introduce additional gas consumers.
- 1.1.3. The development comprises addition of a new digester tank with gas storage roof, an additional biogas upgrading unit and associated infrastructure, an additional flare unit, and surface water attenuation tank. There will be no increase in annual waste tonnages processed as a result of the changes. The additions to site infrastructure will enable the operator to process the full tonnages currently shown on the site permit.
- 1.1.4. The operator is a producer of PAS110 certified end of waste digestate according to the Environment Agency's Anaerobic Digestate Resources Framework (ADRF)¹ and wishes to take the opportunity as part of this variation to maximise wastes that can be accepted under the newly published ADRF. There are three waste types that are permitted under the new ADRF which do not currently appear on the Duranta Teesside Limited site permit, and the operator wishes to make addition of these three codes.
- 1.1.5. Finally, the operator has been in discussions with the Environment Agency (EA) local officers over the past 18 months regarding the frequency of internal tank inspections specified in the site permit. The permit currently specifies that all tanks greater than 600m³ volume shall be internally inspected on a three yearly basis (permit reference EPR/YP3236RW, Table S3.3 process monitoring requirements, page 30).
- 1.1.6. The operator has presented reasonable evidence to support a change in the minimum required frequency of internal inspections from three yearly to five yearly. This evidence is provided with this variation application and on the basis of the evidence and measures demonstrated, the request made for the frequency of internal inspection for tanks greater than 600m³ volume to be changed to five yearly.
- 1.1.7. A summary of the changes requested in this variation application is outlined in Table 1 below.

¹ [Anaerobic digestate: resource framework - GOV.UK](#)

Table 1 – List of Changes

Aspect of Change	
1	A change in the green line permit boundary of the site to incorporate the new additional area of land to be included inside the permitted area (CB2255-04 25 1719-01 Site Boundary and Emissions Points Plan).
2	Addition of the following infrastructure. • A new digester with a gross capacity of 7000m³ with associated gas storage roof with a capacity of 1950m³ operating at 4,0mbar. • A new additional biogas upgrading unit which is anticipated to be similar in nature/technology to the already existing unit at the site. • Additional infrastructure associated with the biogas upgrading facility, including a carbon filter, booster room, and grid entry unit. • An additional BAT compliant gas flare that will be capable of burning the additional gas production capacity and will be suitable for both biogas and upgraded/propane injected gas. • Addition of a surface water attenuation tank for storage of surface water arising from the bunded area serving the new infrastructure. Surface water from this tank will enter the existing surface water system and be subject to the current surface water collection and release procedure specified in the current permit.
3	Addition of two new emissions points to atmosphere as follows. • CO₂ vent from the biogas upgrading unit (new emissions point A13) • Second flare unit (new emissions point A14) (CB225-04 25 1719-01 Site Boundary and Emissions Points Plan) There will also be addition of a single pressure relief valve on the new digester tank.
4	Removal of emissions point A12 from the permit as emissions from this emissions point are now diverted into the sealed gas line system and do not vent to atmosphere.
5	Addition of three new EWC's to the site permit to maximise wastes that can be processed at a PAS110 certified site, and in accordance with the recently updated list of wastes published in the ADRF. The three additional codes are listed in Table 2 below.
6	Change in the required minimum frequency of tank internal inspection for tanks 600m ³ volume and over from every 3 years to every 5 years (permit reference EPR/YP3236RW, Table S3.3 process monitoring requirements, page 30)

Table 2 – New List of Wastes*

*This list includes additional wastes codes now listed under the ADRF

EWC Code	Description
02 01 99	Spent mushroom compost or discarded mushrooms from commercial mushroom cultivation
02 07 05	Sludges from onsite effluent treatment (only sludges from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa))
04 02 21	Wastes from unprocessed textile fibres (biodegradable material only)

