

20001

Nine Mile Point Waste Processing Facility

PPC Variation

Non-Technical Summary

V00

Waste & Engineering

We have been involved in waste management and waste facility developments for more than 50 years.



Report

TITLE	Nine Mile Point Waste Processing Facility- PPC Variation – Non-Technical Summary
PROJECT	20001
CLIENT	Drumcastle Ltd.
DATE	November 2021
STATUS	FINAL
VERSION	00
AUTHOR	Kerry Brogan

DOCUMENT CONTROL

REVISION	DESCRIPTION	STATUS	DATE	BY	CHECKED	APPROVED
00	Nine Mile Point Waste Processing Facility PPC Variation.	FINAL	NOV 2021	KB	AT	AT

Contents

1 Non-Technical Summary 1

Introduction 1

Environmental Setting 1

Planning Permission 2

Proposed Variation 2

Management and Control 2

Environmental Risk Assessment 3

Operation Techniques and BAT Assessment 3

Monitoring..... 3

1 Non-Technical Summary

Introduction

- 1.1 In summary, the proposed Permit Variation is limited to the removal of the gas-fired waste dryer and the associated Regenerative Thermal Oxidiser (RTO) from the Nine Mile Point Processing Facility. Extracted air from the building will be treated via carbon filter prior to release via the stack. All other elements of the Permitted activities will remain unchanged.
- 1.2 The location for the site is illustrated on the map provided in the Drawings Section of this Application referenced 20001-400. The site is centred at NGR ST 19235 91305 and is located just off the B4251 between the villages of Wattsville and Cwmfelinfach, approximately 4.3km Northeast of Caerphilly, South Wales. The installation boundary is shown on 20001-401 in the Drawings Section of this Application.

Figure 1.1 Site Location



Environmental Setting

- 1.3 The Facility's full address will be:
Nine Mile Point Waste Processing Facility
Nine Mile Point Industrial Estate
Ynysddu,
Cwmfelinfach,
Caerphilly,
NP11 7HZ

- 1.4 The Facility will be operated by Drumcastle Ltd.
- 1.5 The Facility is to occupy an area of approximately 1.09ha and bounded by an industrial unit and car park to the east, roads to the south and west and woodland to the north.
- 1.6 The nearest residential properties are on New Road, approximately 470m northeast of the eastern edge of the site boundary and William Street, approximately 478m west of the western edge of the site.

Planning Permission

- 1.7 The site has previously gained planning consent and an environmental permit for a materials recycling facility with gas-fired waste dryers and a Regenerative Thermal Oxidiser (RTO) to treat odorous air extracted from the facility. The amended development to be implemented will remove the dryer and RTOs. The extracted odorous air from the building will now be treated with a carbon filter.

Proposed Variation

- 1.8 The proposed variation will include the removal of the gas-fired waste dryers and RTO from the treatment process. The waste sourced will be dry in nature to ensure the quality on the SRF produced. Only the gas-fired waste dryers and RTO will be removed as part of this variation. This variation includes the installation of a carbon filter which will treat the extracted air from the building prior to its release via a stack.
- 1.9 The dust filter on the extracted building air will remain unchanged from the previously granted Environmental Permit. All extracted air from the waste reception and processing building will be passed through the dust filter and a carbon filter prior to release into the atmosphere via a stack.
- 1.10 Emissions of noise from the facility will remain unchanged if not reduced due to the removal of both the dryers and RTO as part of the variation. Dust emissions from the facility will remain unchanged as the dust filters will remain as part of the treatment process.

Management and Control

- 1.11 The approach to permitting and regulation relies heavily upon the use of Environmental Management Systems (EMS) as a driver for environmental compliance and improvement. In England and Wales, under the Environmental Permitting Regime, modern regulation is fundamentally driven by applying a risk based approach to activities, where operators are

encouraged to implement suitable management systems with which to operate, and to implement self-regulation and reporting. If you hold a permit under the Environmental Permitting (England & Wales) Regulations 2010 (as amended 2015) Natural Resources Wales require operators to have an appropriate Environmental Management System in place.

- 1.12 Drumcastle Ltd have developed and will implement their own management system taking into account the relevant legal requirements, quality and safety standards and environmental elements that the facility needs to identify and comply with in order to carry out safe and environmentally sound operations.

Environmental Risk Assessment

- 1.13 An Environmental Risk Assessment has been completed as part of this Permit Variation. The assessments undertaken have followed guidance specified within the Environment Agency's H1: Horizontal Guidance Series.
- 1.14 In addition to the completion of an H1 Assessment, the applicant has gone on to undertake site specific modelling to fully consider the potential impacts that the facility may have on local Air Quality considering odour emissions from the stack.
- 1.15 The risk assessments have concluded that with the proposed abatement systems to be installed at the Facility, the proposed activities will not result in an unacceptable impact on nearby sensitive receptors.
- 1.16 A revised site specific Odour Management Plan is provided as part of this Permit Variation.

Operation Techniques and BAT Assessment

- 1.17 Details contained within the Operations Techniques and Monitoring Plan included with the application describe operations and pollution prevention techniques and demonstrate evidence of BAT.

Monitoring

- 1.18 All point source emissions and process monitoring are considered within the Operations Techniques and Monitoring Plan provided in Chapter 5 of this Application. This has been revised taking account of the developments to be implemented.

Taggarts

23 Bedford Street,
Belfast, BT2 7EJ



taggarts.uk