

McFen Plant Ltd

Non-Technical Summary

Ref: MCF.PT.NTS.2502.v2

February 2025

1. NON TECHNICAL SUMMARY

1.1. Introduction

1.1.1. McFen Plant Limited (the Operator) operates under a standard rules SR2008 No3 75kte household, commercial and industrial waste transfer station with treatment environmental permit (permit number EPR/CB3704CL).

1.1.2. The Operator is seeking a variation to their environmental permit to obtain a bespoke permit. The Operator wishes to accept and process road sweeper arisings '20 03 03 street cleaning residues' from construction industry sites; however, the existing permit stipulates that the processing and treatment of sweeper arisings must be conducted within a building, which cannot be achieved on site.

1.1.3. The Operator requests permission to include sweeper arisings as one of the specified wastes that can be processed or treated outside of a building, and the addition of a washing plant to the activities.

1.1.4. A wash plant will be used by the Operator, and through a washing process it will be used to separate water, sand, and aggregates from the '20 03 03 street cleaning residues'. The Operator would like to operate the wash plant outside of a building and store the separated fractions from the operations in external bays, or containers, prior to removal from site.

1.1.5. As well as sweeper arisings, the Operator also collects soils and stones derived from road subbase layers by vacuum excavation, under the code 17 05 04 soils and stones. These wastes may also be tipped to be processed through the wash plant.

1.1.6. The EWC codes and the Recovery and Disposal codes sought for this permit variation do not differ from those in the existing permit, with the exception that the hazardous EWC codes that were added into the permit consolidation (SR2022 No 4) are not required. The operator wishes to remove these hazardous waste codes entirely. The facility will accept only non-hazardous household, commercial, and industrial wastes, thereby eliminating the handling of hazardous materials onsite.

1.1.7. The Operator has discussed the proposal with Su Collins (Environment Officer, EPR Waste). Su Collins is copied into the application email for her information.

1.2. Addition of washing as a waste treatment activity

1.2.1. In December 2024, the standard rules permit 'SR2008 No3 75kte Household, commercial and Industrial waste transfer station with treatment' was replaced with the updated permit 'SR2022 No4: non-hazardous waste recycling with asbestos, hazardous batteries, cable and WEEE storage'.

1.2.2. Within Table 2.1, Activity reference AR1 waste transfer and treatment, the limits of activities states 'Treatment does not include soil or aggregate washing or heat treatments'. This variation is to add washing as a treatment activity within the permit.

1.2.3. To the south-east of the yard there is a designated water tipping point for the road sweepers, where the waste can be inspected, prior to it being fed into the CDE G:MAX de-watering system. The de-watering system (CDE G:MAX) processing includes the removal of excess water from the wastes, screening and separating of the solids into; fractions above 10mm (stones and residual waste) and fractions below 10mm (sands). These fractions currently are transferred from site for further treatment at environmental permitted facilities.

1.2.4. The site has a comprehensive drainage system which includes surface water and foul water drainage. In addition to the silt trap at the tipping point, the water from the de-watering system is fed into a 300-litre silt and oil separator. This contains a filter and high oil probe, which is alarmed. Once the liquids have been through this system it will then be discharged into the foul sewer via a permitted connection and under McFen's Trade Effluent Licence (T.E. Case number: TBEC2CL1).

1.2.5. The operator is currently testing the separated sand fraction and will liaise with the Environment Agency, as the aim is to achieve end-of-waste status. This will enable the separated sand to be used within the construction industry as a product.

1.3. Treatment and storage of waste outside a building

1.3.1. Within the 'SR2022 No4: non-hazardous waste recycling with asbestos, hazardous batteries, cable and WEEE storage', the storage and treatment of '20 03 03 street cleaning residues', Technique 2 states that 'All wastes listed in Table 2.3a shall be stored, treated and handled on an impermeable surface with a sealed drainage system'. The waste type 20 03 03 street-cleaning residues is stored, treated and handled on an impermeable surface with a sealed drainage system. Additionally, the waste type '17 05 04 soils and stones other than those mentioned in 17 05 03' which falls within Table 2.3b, is also stored, treated and handled on an impermeable surface with a sealed drainage system.

1.3.2. Technique 2 states that the treatment of wastes within Table 2.3a (which includes 20 03 03 street cleaning residues) must be carried out within an enclosed building. Technique 17 states that

the treatment of waste within Table 2.3a (which includes 17 05 04 soils and stones other than those mentioned in 17 05 03) must be carried out in accordance with specific measures which include measures to minimise dust.

1.3.3. The Operator would like to vary the permit to allow the washing and storage operations to take place outside of a building, this is in line with standard practice for the washing of street-cleaning residues and aggregates at other bespoke permitted facilities.

1.3.4. The potential dust and odour emissions for the site are assessed as being low as the waste is wet. The following methods further reduce the risk of airborne dust and odour:

- Daily monitoring
- Wet waste going into and out of the system reduces dust
- Bays and containers for separated waste
- Impermeable surface, which is suitable for the treatment and storage, is easy to keep clean. The operator owns their own street sweepers which are used to keep the site well maintained

1.3.5. The separated waste streams will be stored in bays or containers for up to six months.

List of wastes that the operator wants to accept on site (N.B – These are the waste codes from SR2022 No 4 without the hazardous waste codes)

Waste Code	Description
Table 2.2. Waste types and quantities	
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	soil from cleaning and washing vegetables
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)

02 01 07	wastes from forestry
02 01 10	waste metal
02 03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	soil from cleaning and washing vegetables
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 01	wastes from wood processing and the production of panels and furniture
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	wastes from sorting of paper and cardboard destined for recycling
07	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
10	WASTES FROM THERMAL PROCESSES
10 09	wastes from casting of ferrous pieces
10 09 03	furnace slag
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 11	wastes from manufacture of glass and glass products
10 11 03	waste glass-based fibrous materials
10 11 12	waste glass other than those mentioned in 10 11 11
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 12	wastes from glazing other than those mentioned in 10.12.11
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete

12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 01	ferrous metal filings and turnings
12 01 03	non-ferrous metal filings and turnings
12 01 05	plastics shavings and turnings
12 01 13	welding wastes
12 01 17	waste blasting material other than those mentioned in 12 01 16
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20
15	WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 09	textile packaging
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 01	end-of-life vehicles from different means of transport [including off-road machinery] and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13,14, 16 06 and 16 08)
16 01 03	end-of-life tyres
16 02	wastes from electrical and electronic equipment
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 06	batteries and accumulators
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 11	waste linings and refractories
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	tiles and ceramics

17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	metals (including their alloys)
17 04 01	copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	iron and steel
17 04 06	Tin
17 04 07	mixed metals
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction material
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 04	vitrified waste and wastes from vitrification
19 05	wastes from aerobic treatment of solid wastes
19 05 01	non-composted fraction of municipal and similar wastes
19 05 03	off-specification compost
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 01	paper and cardboard
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 04	plastic and rubber
19 12 05	Glass
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	minerals (for example sand, stones)

19 12 10	combustible waste (refuse derived fuel)
19 12 12	mixtures of paper, cardboard, plastic glass and metal and other non-hazardous wastes from the processing of dry mixed recyclable and source segregated recyclable wastes.
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard
20 01 02	Glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste