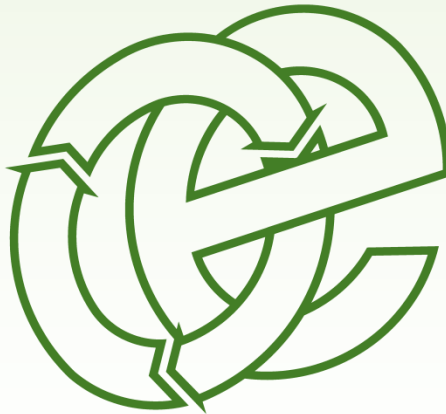


NON-TECHNICAL SUMMARY

Unit 13 Rawreth Industrial Estate, Rawreth Lane, Rayleigh, Essex, SS6 9RL

T J Cottis Transport Limited

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1 Introduction

1.1 This Non-Technical Summary (NTS) accompanies an Environmental Permit (EP) to Vary EPR/JB3033AR to add a physical treatment facility of non-hazardous waste, submitted on behalf of T J Cottis Transport Limited (the operator).

1.2 The site is currently operated under an A11 Bespoke permit for the acceptance of <25,000tpa; however, the site wishes to add a separate Physical treatment facility to allow for mechanical treatment of wastes along with an additional 75,000tpa of inert, CDE & utility wastes.

1.3 Although the site is increasing the overall throughput by an additional 75,000 tonnes, the addition throughput will be limited to inert, CDE and utility wastes and the site will not be increasing the throughput of the currently permitted HIC activity; the site will be predominantly accepting inert wastes and therefore will not be increasing the odour risk at the site; instead, they will be significantly reducing the impact. The site may be accepting mixed CDE wastes under 17 09 04 and will therefore operate in accordance with an approved FPP (Doc Ref: 3110-001-B) as some materials may be considered combustible.

1.4 The site will be situated at Unit 13 Rawreth Industrial Estate, Rawreth Lane, Rayleigh, Essex, SS6 9RL.

1.5 The activity will allow the site to accept, store and treat the following wastes for recovery or disposal:

- Inert and CDE wastes
- Utility wastes

1.6 The site is located at Unit 13 Rawreth Industrial Estate, Rawreth Lane, Rayleigh, Essex, SS6 9RL. The site is bordered by industrial/commercial/residential land uses.

2 Site Operations

2.1 General/Non-hazardous operations

- 2.1.1 The site is currently permitted to operate under an A11: Household, Commercial & Industrial Waste T Stn. As part of this application the site will be seeking to add a separate physical treatment of non-hazardous waste activity.
- 2.1.2 The site will be predominantly accepting non-hazardous wastes as currently permitted under their permit. The non-hazardous waste will typically be accepted, stored and processed in line with the SR 2010 No.12 permit.
- 2.1.3 The site will also be accepting road plainings 24/7 as part of utility works and contracts; the site will only load, unload and deposit the waste at the site and not process it until daytime hours (please refer to site specific noise impact assessment and noise and vibration management plan).
- 2.1.4 Waste that arrives on site and known to be non-hazardous inert/CDE materials i.e. soils, stones, sands, concrete, brick, masonry etc.. will be deposited directly into the non-hazardous treatment/reception stockpile where it will undergo further treatment by manual/mechanical separation, screening and blending.
- 2.1.5 As part of this new activity, the site will be seeking to accept mixed CDE wastes under EWC code 17 09 04 which will be tipped at the site and be segregated by hand and or excavator into the separated recyclables prior to being transferred into containers for appropriate storage pending offsite removal. Any soils, stones, sands, concrete, brick, masonry etc.. within this load will be transferred to the appropriate area for either storage or further treatment using the onsite screener.

3 Application proposals

3.1 T J Cottis Transport Limited hold and operate an Environmental Permit (EP) and are looking to do the following:

- Add a Physical treatment of non-hazardous waste activity (with throughput of 75,000tpa (referenced as 1.16.12 of the EPR charging tables);
- Variation of the permit boundary to include further land (*SCR produced to cover this area*);

3.2 The proposed operations will allow the site to predominantly be operated in line with the SR2010 no.12 and their existing HCl permit. The entire throughput of the site will be limited to <100,000 tonnes per annum ***(25,000tpa under their existing permit which will remain unchanged and the proposed 75,000tpa under the new proposed bespoke activity which forms part of this variation)***.

3.3 The Environmental Permit is required for the storage (keeping) prior to removal, and treatment (all types of handling/processing) of waste.

3.4 The activities table is detailed overleaf:

Table 3.1 – New Activities Table (Covering proposed Physical Treatment Operations)

Activities	
Description of activities	Limit of activities
D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Physical treatment including manual and mechanical sorting, separation, screening compaction and blending of waste into different components for disposal or recovery. Treatment for disposal shall not exceed 50 tonnes per day, or if for a mix of recovery and disposal shall not exceed 75 tonnes per day.
R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	
D14: Repackaging prior to submission to any of the operations numbered D1 to 13	
D9: Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12	
R3: Recycling/reclamation of organic substances which are not used as solvents	
R4: Recycling/reclamation of metals and metal compounds	
R5: Recycling/reclamation of other inorganic materials	

4 EWC codes

4.1 Existing EWC Codes

4.1.1 The site is already permitted to accept various waste streams under their existing permit. The current list of wastes permitted at the site is listed in Annex 1 of the EP which are detailed below.

Category 1:

- Brickwork and mortar
- Clay/soil
- Concrete (reacted) including steel reinforcement
- Excavated road metal (road planings)
- Flint and stone
- Glass, pottery, china, enamels, ceramics, mica and abrasives
- Gravel/silt
- Naturally occurring rocks and soils (excluding asbestos and radioactive sources)
Sand (including foundry sand)/silica
- Hardcore

Category 2:

- Ash and clinker (not including incinerator residues, pulverised fuel ash or ashes containing vanadium)
- Boiler scale
- Cardboard and fibreboard
- Cement (unreacted)
- Domestic appliances
- Electrical cable and wire
- Empty used containers decontaminated and not exceeding 25 litres in capacity (excluding gas bottles)
- Excavation and demolition wastes (within a pH range of between 5-9 inclusive)

- Leather
- Natural and man-made fibres (excluding rubber and vehicle tyres)
- Metals
- Paper
- Plastics
- Plasterboard
- Shot blasting residues
- Tar, pitch and bitumen wastes in solidified form
- Trees, bushes, weeds and grass cuttings
- Wood and wood products

4.2 **Proposed EWC codes for new Physical Treatment Activity**

4.2.1 The following EWC codes listed in table 4.1 below are those proposed for the non-hazardous waste physical treatment activity.

Table 4.1 – EWC Codes associated with newly proposed non-hazardous physical treatment activity

Permitted waste types and quantities	
Maximum Quantities	The total quantity of waste accepted for activity shall be less than 75,000 tonnes a year.
Waste Code	Description
01	Wastes resulting from exploration, mining, quarrying and physical and chemical treatment of minerals
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
10	Waste from thermal processes
10 01	waste from power stations and other combustion plants
10 01 01	bottom ash and slag only
10 01 02	pulverised fuel ash only
10 01 05	gypsum (solid) only
10 01 07	gypsum (sludge) only
10 01 15	bottom ash and slag only from co-incineration other than those mentioned in 10 01 14
10 11	wastes from manufacture of glass and glass products
10 11 12	clean glass other than those mentioned in 10 11 11
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products

Permitted waste types and quantities	
Maximum Quantities	The total quantity of waste accepted for activity shall be less than 75,000 tonnes a year.
Waste Code	Description
10 12 08	waste ceramics, bricks, tiles and construction products after thermal processing)
10 13	wastes from manufacture of cement, lime and plaster products and articles and products made from them
10 13 14	waste concrete only
15	Waste packaging
15 01	packaging
15 01 07	clean glass only
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 02	glass
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
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 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 08	gypsum based construction material
17 08 02	gypsum only other than that 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 - (consisting of mixed wastes, demolished brick, concrete, other masonry, non-hazardous soils, stones, sand and aggregates only)
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 08	wastes from waste water treatment plants not otherwise specified
19 08 02	washed sewage grit (waste from desanding) free from sewage contamination only
19 08 99	stone filter media if free from sewage contamination only
19 09	wastes from the preparation of water intended for human consumption or water for industrial use
19 09 02	sludges from water clarification
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 05	clean glass only
19 12 09	minerals (for example sand, stones)
19 12 12	other waste (including mixture of materials) from mechanical treatment of waste other than those mentioned in 19 12 11

Permitted waste types and quantities	
Maximum Quantities	The total quantity of waste accepted for activity shall be less than 75,000 tonnes a year.
Waste Code	Description
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 comprising mixtures of brick, concrete, other masonry, non-hazardous soils, stones, sand and aggregates only.
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions
20 01 02	clean glass only
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street cleaning residues (containing soil, stones, uncontaminated 17 03 02 - non-odorous only)

5 Wastes subject to physical treatment activities

5.1.1 The following wastes listed in Annex 1 of the existing EP along with the following proposed EWC codes under the new activity may be subject to the physical treatment activities i.e. screening:

Category 1:

- Brickwork and mortar
- Clay/soil
- Concrete (reacted) including steel reinforcement
- Excavated road metal (road planings)
- Flint and stone
- Glass, pottery, china, enamels, ceramics, mica and abrasives
- Gravel/silt
- Naturally occurring rocks and soils (excluding asbestos and radioactive sources)
Sand (including foundry sand)/silica
- Hardcore

Category 2:

- Excavation and demolition wastes (within a pH range of between 5-9 inclusive)

And the following EWC codes:

- **01 04 08** - waste gravel and crushed rocks other than those mentioned in 01 04 07
- **01 04 09** - waste sand and clays
- **10 12 08** - waste ceramics, bricks, tiles and construction products after thermal processing)
- **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 02** - glass
- **17 03 02** - bituminous mixtures other than those mentioned in 17 03 01

- **17 05 04** - soil and stones other than those mentioned in 17 05 03
- **17 09 04** - (demolished brick, concrete, other masonry, non-hazardous soils, stones, sand and aggregates only)
- **19 12 09** - minerals (for examples sand, stones)
- **19 12 12** - other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 comprising mixtures of brick, concrete, other masonry, non-hazardous soils, stones, sand and aggregates only
- **19 13 02** - solid wastes from soil remediation other than those mentioned in 19 13 01
- **20 02 02** - soil and stones
- **20 03 03** - street cleaning residues (containing soil, stones, uncontaminated 17 03 02 - non-odorous only)

6 Documentation and fees

6.1 This variation constitutes a Bespoke Permit Application as per table 1.16 of the charging guide table reference 1.16.13.

Table 6.1 – Base Application Fee Table

EPR Charging Scheme Ref	EPR Charging Scheme Ref & Description	Type of application (Ref)	Fee
1.16.12	Physical treatment of non-hazardous waste	Variation for new activity	£7,930
		TOTAL	£7,930

6.2 Additional fees include the assessment of a Dust Management Plan, Noise & Vibration Management Plan and Fire Prevention Plan, therefore the fee payable to the Environment Agency is **£11,658.00 (No VAT)**.

6.3 The site currently operates an A11 Permit and are looking to add a separate Physical Treatment Facility activity.

6.4 The reason for this variation is because they are looking to add a treatment activity, increase the boundary and accept further non-hazardous wastes.

6.5 The site already operates in accordance with an EA approved Environmental Management System. The EMS will be revised as part of proposed permitted activities.

6.6 The attached risk assessment has been adapted to accord with the bespoke activity.

6.7 Accompanying this Non-technical Summary, the following will also be submitted as part of this application:

- a) Application forms Parts A, C2, C4 & F1