

NON-TECHNICAL SUMMARY

Arnolds Farm, Ongar Road, Stapleford Tawney, Romford, Essex, RM4 1RD

Essex Grab Hire Limited

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Oaktree Environmental Ltd

Waste, Planning & Environmental Consultants



Oaktree Environmental Ltd, Lime House, 2 Road Two, Winsford, Cheshire, CW7 3QZ
Tel: 01606 558833 | Fax: 01606 861183 | E-Mail: sales@oaktree-environmental.co.uk | Web: www.oaktree-environmental.co.uk
REGISTERED IN THE UK | COMPANY NO. 4850754

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1 Introduction

1.1 This Non-Technical Summary (NTS) accompanies an Environmental Permit (EP) application for the physical treatment facility of non-hazardous waste submitted on behalf of Essex Grab Hire Limited (the operator).

1.2 The site will be situated at Arnolds Farm, Ongar Road, Stapleford Tawney, Romford, Essex, RM4 1RD and the National Grid Reference for the site is TQ 49324 97662.

1.3 The site proposes to accept, store and treat the following wastes for recovery:

- Inert and CDE wastes

1.4 The site is located at Arnolds Farm, Ongar Road, Stapleford Tawney, Romford, Essex, RM4 1RD. The site is bordered by agricultural fields and industrial premises with the Arnold's Farm (a working farm) to the east and Stapleford airfield to the South.

2 Application proposals

2.1 Essex Grab Hire Limited will hold and operate an Environmental Permit (EP) for the following activities:

- Physical treatment of non-hazardous waste (referenced as 1.16.12 of the EPR 2019 charging tables).

2.2 The throughput of the site will be limited to <75,000 tonnes per annum.

2.3 The Environmental Permit is required for the storage (keeping) prior to removal, and treatment (all types of handling/processing) of waste i.e. CDE wastes. Waste treatment processes to be carried out on site may include the following:

- Sorting (with loading shovel / 360° excavator or by hand)
- Screening (by using appropriate mechanical screening plant and equipment)
- Separation (by using appropriate mechanical screening plant and equipment)
- Crushing (by using appropriate mechanical plant and equipment)
- Blending (by loading shovel / 360° tracked excavator)

2.4 Specified waste management activities and associated limits (including waste disposal and waste recovery operations) are listed in the table below:

Acceptance, storage and treatment of mechanically CDE waste.	
Description of activities for waste operations	Limits of activities
R3: Recycling/reclamation of organic substances which are not used as solvents	Treatment of waste consisting only of sorting, separation, screening, crushing and blending of waste for recovery as a soil, soil substitute or aggregate.
R5: Recycling/reclamation of other inorganic materials	Secure storage of wastes listed in table 3.1 pending treatment.
R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)	Storage of wastes listed in table 3.2 shall not exceed 15,000 tonnes in total at any one time. All other wastes stored shall not exceed 40,000 tonnes in total at any one time. No more than 75,000 tonnes of waste shall be treated per year. Treatment of slags and ashes 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.

3 Proposed EWC codes

3.1 The table below details the proposed EWC codes which the site will accept, store and treat:

Table 3.1 – Proposed EWC Codes

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
02	Wastes resulting from exploration, mining, quarrying and physical and chemical treatment of minerals
02 02	waste from preparation and processing of meat, fish and other foods of animal origin
02 02 02	shellfish shells from which the soft tissue or flesh has been removed only
03	Wastes resulting from exploration, mining, quarrying and physical and chemical treatment of minerals
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
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
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

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
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
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 05	wastes from aerobic treatment of solid waste
19 05 03	compost from source segregated biodegradable waste only
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	treated bottom ash including IBA and slag other than that containing dangerous substances 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

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
20 02	garden and park wastes
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street cleaning residues

Table 3.2 - Operating techniques

When located within groundwater Source Protection Zones 1 or 2 the specified wastes below shall be stored and treated on an impermeable surface with a sealed drainage system.	
When located outside groundwater Source Protection Zones 1 or 2 all permitted wastes shall be stored and treated on hard-standing or on an impermeable surface with sealed drainage system.	
Waste code	Description
03 01 01	waste bark and cork
03 03 01	waste bark and wood
10 01 01	bottom ash and slag 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
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 08 02	gypsum only other than that mentioned in 17 08 01
19 05 03	compost from source segregated biodegradable waste only
19 09 02	sludges from water clarification
19 12 12	treated bottom ash including IBA and slag other than that containing dangerous substances only
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

4 Documentation and fees

4.1 This application constitutes a Bespoke Environmental Permit as per table 1.16 of the charging guide table reference 1.16.12.

Table 4.1 – Base Application Fee Table

EPR Charging Scheme Ref	EPR Charging Scheme Ref & Description	Type of application (Ref)	Fee
1.16.12	Physical Treatment Facility for non-hazardous waste	Permit Application	£7,930
		TOTAL	£7,930

Table 4.2 – Additional Application Fees Table - Charges for plans and assessments

General	Consideration	Document & Ref	Fee
Environmental Management System	Required due to permitted activities	3074-ARN-AGG-A	
Non-Technical Summary	As Above	3074-ARN-AGG-C	
Environmental Risk Assessment	As Above	3074-ARN-AGG-D	
Site Condition Report	As Above	3074-ARN-AGG-E	
Dust Management Plan	As Above	3074-ARN-AGG-H	£1,241
		TOTAL	£1,241

4.2 The site is located within a working farm with the Stapleford Airfield immediately to the South which is an operational airfield which has continuous private and commercial flights along with a helicopter charter to the western side of the airfield.

4.3 Adjacent operations i.e. the working farm, airfield and commercial units will also have constant vehicle movements throughout the day which offset noise generated by onsite operations. In addition the working farm will be operating before and after the

hours of operation for the regulated facility and will therefore not be affected by the activities carried out on site.

- 4.4 The site is screened by >3m high bunding and buildings (relating to the farming activities which are owned and occupied by the operator's landlord) which will reduce noise levels beyond the site boundary. Furthermore, the nearest residential receptor is >400m from the site which, with the immediate screening of the site as set out above (even under free-field conditions), is not considered to be within the zone of influence for the regulated facility.
- 4.5 The operator originally applied for the Sr2010 no.12 and the only reason for this bespoke permit application is its location partially within a coastal and floodplain grazing marsh which also affects much of the surrounding land to the north of the site. Under the Sr2010 no.12 a noise assessment would not be required for this type of operation; given that the applications site has no impact on the grazing marsh and mirrors that of a the a Standard Rules operation along with the aforementioned measures, it has been deemed that no noise impact assessment is necessary to accompany the application.
- 4.6 Accompanying this Non-technical Summary, the following will also be submitted as part of this application:
- a) Application forms Parts A, B2, B4 & F1
- 4.7 Based on the above, the total fee payable to the Environment Agency on submission will be **£9,171**
- 4.8 Table 4.3 summarises which parts of the application forms request the above documentation which would normally be completed in Application Form Part F1; Section 6.

Table 4.3 – Application Form Reference Table

Application Form	Question Ref	Document Ref
Part A	5C	3074-Directors-Info
Part B2	3B	3074-ARN-AGG-G
Part B2	3D	3074-ARN-AGG-A
Part B2	5A	3074/ARN/AGG/01, 3074/ARN/AGG/02, 3074/ARN/AGG/03 - also found in Appendices of main documentation
Part B2	5B	3074-ARN-AGG-E
Part B2	5C	3074-ARN-AGG-C
Part B2	6	3074-ARN-AGG-D
N/A	N/A	3074-ARN-AGG-H