



Non-Technical Summary

Installation and Waste Operation Permit Application

Metal Recycling

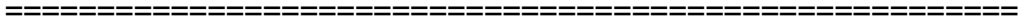
At

Harrimans Lane

Dunkirk

Nottingham

NG7 2SD



Operator and Applicant:

Donald Ward Limited
Donald Ward House
East Street
Ilkeston
DE7 5JB

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This Metal Recycling facility is operated by Donald Ward Limited. It forms a major strategic component of a network of recycling facilities operated by the company throughout England and Wales.

The site receives, processes and recovers ferrous and non-ferrous metals from scrap and acts primarily as a source of ferrous feedstock for the steel manufacturing industry both in UK and abroad.

The site is a metal shredder site. It undertakes a range of waste management activities including;

- Storage and treatment of ferrous and non-ferrous metals;
- Storage and treatment of general mixed scrap metal;
- Storage and treatment of Waste Electrical and Electronic Equipment (WEEE);
- Storage and Treatment of End of Life Vehicles.
- Storage of Batteries
- Storage of Tyres

The Environment Agency have issued the following guidance that applies:

- Treating metal waste in shredders: appropriate measures for permitted facilities
- Waste electrical and electronic equipment (WEEE): appropriate measures for permitted facilities
- End of life vehicles (ELVs): appropriate measures for permitted facilities

Relevant legislation covering the activities on site is as follows:

- Waste Framework Directive
- WEEE Directive
- Hazardous Waste Directive
- ELV Directive

The facility is a 'Newly Prescribed Activity' that was in operation on 7th January 2013. The facility undertakes the recovery of non-hazardous waste with a capacity exceeding 75 tonnes per day involving the treatment via shredding of metal waste.

Section 5.4 A (1) b) (iv) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving the treatment in shredders of metal waste, including waste electrical and electronic equipment and end - of - life vehicles and their components.

The site also has the capacity to store more than 50 tonnes of hazardous waste at any one

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time.

Section 5.6 A (1) (a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3 and paragraph (b) of this Section, except-

- (i) temporary storage, pending collection, on the site where the waste is generated, or*
- (ii) activities falling within Section 5.2*

The site may also use physical processes to recover hazardous waste with a capacity exceeding 10 tonnes per day

5.3 A(1) a) (ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving one or more of the following activities—

- (ii) physico-chemical treatment;*

The site has a frontage to Harrimans Lane and the rear boundary of the site, as viewed from Harrimans lane, adjoins the railway. The surrounding area is predominantly of industrial use. The site is approximately 6 acres. It is secured by a mixture of high security chain link fencing, brick and sleeper walls, and steel panelling and is accessed from Harrimans Lane via security gates. Access also exists from the adjacent railway line.

Access is via the site gates, and these are locked at all times when the site is non-operational. Visitors may only gain access if escorted or with specific permission.

Classification of the Waste Management Operations – Waste Directive Codes

In accordance with Annex IIB of the Waste Framework Directive the site activities fall into the following:

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 compounds

R13: Storage of waste pending any of the operations numbered R1 to

R12 (excluding temporary storage, pending collection, on the site where it is produced)

Extent of the Shredder Installation (Section 5.4 A (1) b) (iv) and 5.3 A (1) a) (ii)

STU (Standalone Technical Unit) – Shredder:

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Annex II (R codes):

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 compounds

Brief description S5.4 activity: Treatment consisting only of the shredding and granulation of waste containing ferrous and non-ferrous metals for recovery. Continuous treatment of non-hazardous wastes containing metal. Non-hazardous waste is treated separately from hazardous waste (in batches)

Brief description S5.3 activity: Treatment consisting only of the shredding and granulation of hazardous waste containing ferrous and non-ferrous metals for recovery. Continuous treatment of hazardous wastes containing metal. Hazardous waste is treated separately from non-hazardous waste (in batches). Treatment of hazardous waste includes for example pre-treated SMW / residues from mechanical treatment / shredding that require further separation to recover metallic and non-metallic recyclables.

Directly Associated Activities (DAA):

Upstream – pre-treatment (DAA to S5.4 activity)

Pre-shredding: Pre-shredding via pre-shredder serving main shredder. If necessary, the pre-shredder processes (low speed, high torque action tears) materials prior to such material entering the shredding process.

Annex II (R codes):

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 compounds

Brief description: Pre-shredding of non-hazardous waste prior to treatment in Shredder Installation (Section 5.4 A (1) b) (iv)).

Upstream – pre-treatment (DAA to S5.3 activity)

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The manual pre-treatment of SMW.

Annex II (R codes):

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 compounds

Brief description: The manual pre-treatment of SMW is a waste activity, which is also a DAA to S5.3 activity. The manual removal of components that require removal before mechanical treatment.

Downstream Separation - Further separation of fragmented waste following shredding (DAA to both S5.3 and S5.4 activities):

Annex II (R codes):

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 compounds

Shredder infeed storage and immediate output – storage prior to treatment and immediately post shredding (DAA to S5.3 and S5.4 activities):

Annex II (R codes):

R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)

Note: storage of hazardous waste associated with treatment in S5.3 activity is a S5.6 activity and detailed below.

Extent of Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes (Section 5.6 A (1) (a)) Installation Activity -_Hazardous waste storage prior to treatment.

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Annex II (R codes):

R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)

Temporary storage of hazardous waste from receipt to dispatch from site for treatment at a suitably authorised facility (e.g. storage of waste pending treatment in S5.3 activity or post treatment in 5.3 activity, or for example storage of ELF pending transfer and treatment at an ELF treatment Plant).

Other Waste Activities

Other permitted treatment activities include the treatment of WEEE, treatment of ELV, manual and mechanical sorting of ferrous and non-ferrous scrap including separation, grading, shearing, screening, baling, compacting, crushing and hot cutting. These activities may be carried out with the aid of mechanical plant.

Classification of the Waste Management Operations – Waste Directive

Codes: Annex II (R codes):

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 compounds

R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)

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