



Non Technical Summary

Installation and Waste Operation

Boulder Bridge Lane

Off Shaw Lane

Carlton

Barnsley

South Yorkshire

S71 3HJ

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Operator and Applicant:

Donald Ward Limited

Donald Ward House

East Street

Ilkeston

DE7 5JB

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This site, which is predominantly a 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.

Granulation equipment is utilised to primarily granulate waste cable. The granulation equipment may also be used to size reduce other metal containing waste streams. A mobile shredder with a capacity of between 40 to 65 tonnes per hour, dependent on waste type is installed at the facility. The primary purpose of the shredder is to size reduce non-ferrous metals, though it may be used for other waste types. Treatment activities on site also include dismantling, grading, shearing, baling, stripping and cutting of ferrous and non ferrous metals. Combined and individually, the granulation equipment and mobile shredder have a treatment capacity exceeding 75 tonnes per day.

The site also 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
- Storage of Swarf
- Storage and transfer of non hazardous, commercial, construction and demolition and municipal wastes, with asbestos.

Relevant Regulations, Technical Guidance Notes and other documentation

In accordance with the Environmental Permitting (England and Wales) Regulations 2010 (as amended), operators are required to confirm whether their proposed operation takes place in line with standards set by any relevant Environment Agency Sector Guidance Note and legislation. Where the proposed operations deviate from the relevant Guidance Note or where there is no guidance for the operation, the permit supporting information must include:

1. Description of the operation that takes place at the site
2. Justification of the measures that are used to control emissions from the processes.

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There is no specific Sector or Technical Guidance Note for all the operations at Barnsley. However, a number of documents are relevant to the operations and Ward operates in accordance with these:

- Environmental Permitting Guidance, the Waste Framework Directive, DEFRA
- 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
- Non-hazardous and inert waste: appropriate measures for permitted facilities

Relevant legislation covering the activities on site is as follows:

- Waste Framework Directive
- WEEE Directive
- Hazardous Waste Directive

The facility is a 'Prescribed Activity'. The facility undertakes the recovery of hazardous waste through the granulation process, using 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 facility may also undertake the recovery of non-hazardous metal waste with a capacity exceeding 75 tonnes per day involving the treatment via the granulation plant. The site also has a mobile shredder predominantly for size reduction of non ferrous metals, but is capable of shredding other metallic wastes received on site.

Section 5.4 A (1) and 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 time which covers the DAA infeed material of cables and any hazardous copper /plastic rich inputs to the granulation plant alongside the waste activities of acceptance and storage of swarf, hazardous whole WEEE and components, ELV components and batteries.

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

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this Section, except-

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

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)

D9: Physico-chemical treatment not specified elsewhere 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.

D14: Repackaging prior to submission to any of the operations numbered D1 to 13.

D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).

Installation (IED) activities

STU – Granulator (IA1) (Section 5.3 A(1) (a) (ii) and (Section 5.4 A (1) (b) (iv) and Mobile Shredder (IA2) (Section 5.3 A (1) (a) (ii) and (Section 5.4 A (1) (b) (iv):

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

DAA:

Upstream Separation (for Granulator IA1): Separation of waste cable prior to granulation (Superchopper and Multipurpose Rasper).

Annex II (R codes)

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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

Downstream Separation: Further separation of waste following granulation / mobile shredding (IA2 – via a trommel):

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

Granulator infeed storage and immediate output:

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.

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 turnings, hazardous WEEE and components, end of life fridges and end of life vehicle components.

Waste Activities

Other activities include the manual sorting of scrap, separation, grading, shearing, screening, baling, compacting, crushing and hot cutting.

The site will store non hazardous wastes including asbestos from municipal, domestic, industrial and construction and demolition sources, pending transfer to an authorised treatment

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facility.

No wastes are disposed of at the site.

Classification of the Waste Management Operations – Waste Directive Codes:

Annex II (R codes):

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D9: Physico-chemical treatment not specified elsewhere 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.

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D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).

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