



Smethwick Rabone Lane Permit Variation January 2022
Non Technical Summary

General Introduction:

Sims Group UK Limited currently operates EAWML 42317 (EPR/ZP3691ET) at Rabone Lane, Smethwick, B66 2LF.

The Rabone Lane site is currently permitted for the recovery or a mix or recovery and disposal of greater than 75 tonnes per day involving treatment in shredders of non-hazardous metal waste, including WEEE and ELV and their components.

Separation and size reduction equipment is installed at the facility. The process residues go through a process of size reduction and separation to enable the segregation of different fractions of recyclable materials.

The site 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);

Variation Application

The facility is a 'Prescribed Activity'. The facility is already permitted to undertake the recovery of non-hazardous waste with a capacity exceeding 75 tonnes per day involving the treatment via shredding or granulation and grinding of metal waste. The facility is already permitted for other waste activities. This does not change.

The variation is to include the use of physical processes to recover hazardous waste with a capacity exceeding 10 tonnes per day.

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

Due to the recent Environment Agency reclassification of some WEEE waste and their components, waste currently accepted are now being deemed potentially hazardous under EWC code 16 02 15*, 19 02 04*, 19 12 11* and 20 01 35* and in order for the facility to transition to compliance, there is a need to include 16 02 15*, 19 02 04*, 19 12 11* in this permit in addition to the codes already in the permit. (20 01 35* is already permitted).

The relevant activities to be added to the permit as part of this variation are therefore:

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—

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(ii) physico-chemical treatment;

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) (ii) activities falling within Section 5.2

Extent of the hazardous waste mechanical treatment plant (Shredder) Installation (Section 5.3 A (1) a (ii))

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: Mechanical treatment of hazardous waste consisting of shredding, sorting, separation, screening, grading, baling, shearing, compacting, crushing, granulation or cutting for the purpose of recovery of constituent parts and materials. Shredder for batch treatment of hazardous waste.

Note: storage of hazardous waste prior to treatment in Shredder is detailed below.

DAA: Storage of outputs (from hazardous waste 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)

Extent of Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes (Section 5.6 A (1) (a))

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)

Brief description: Temporary storage of hazardous waste from receipt to batch treatment in the shredder or Temporary storage of hazardous waste from receipt to dispatch from site for treatment at another suitably authorised facility (e.g. storage of ELF pending transfer and treatment at an ELF treatment Plant)

Risk Assessment:

There will be no significant increase in risk to the environment. The risk assessment document has considered all potential risks from the site and identified mitigation measures for odour, noise and vibration and fugitive emissions to ensure no significant impact on the environment. A copy of the risk assessment has been included with the application.

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