

Table S1.1 Activities

Table S1.1 Activities <i>Proposed changes are identified in blue font.</i>				
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types	Supporting documents provided with the application to vary the permit
A1	S5.4 A(1) (b) (iii) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving treatment of slags and ashes.	R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials	From receipt of permitted waste through to treatment and recovery of the by-product (IBAA). Treatment of IBA in an enclosed building/enclosure using a combination of a trommel, vibrating screens, electrostatic and magnetic separators. <i>Treatment of IBA and IBAA by crushing for the purpose of recovery. Annual treatment capacity for crushing is limited to 30,000 tonnes per year.</i> Treatment shall take place on an impermeable surface with sealed drainage. <i>The daily treatment capacity is limited to 1000 tonnes per day.</i> <i>The daily treatment capacity is limited to 2000 tonnes per day.</i> Waste types as specified in Table S2.2 (<i>waste types updated</i>)	Dust Management Plan Noise Impact Assessment Air Quality Assessment Environmental Risk Assessment BAT Review Updated Table S2.2
Directly Associated Activity				
AR2	Storage of IBA waste prior to treatment	R13: Storage of waste pending the operations numbered R1, R4 and R5 (excluding temporary storage, pending collection, on the site where it is produced)	From receipt of waste to its recovery. Storage shall take place on an impermeable surface with sealed drainage system. <i>The maximum height of stockpiles is limited to 4.6m.</i> <i>The maximum height of stockpiles is limited to 6.7m.</i> <i>The maximum quantity of IBA stored at any one time prior to treatment is limited to 52,000 tonnes.</i> <i>The maximum quantity of IBA stored at any one time prior to treatment is limited to 75,000 tonnes.</i> Waste types as specified in Table S2.2.	Dust Management Plan Air Quality Assessment Environmental Risk Assessment BAT Review (Application Report)
AR3	Storage of wastes recovered from the IBA treatment	R13: Storage of waste pending the operations	From recovery of waste/by-product to despatch off-site for use.	Dust Management Plan Air Quality Assessment

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Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types	Supporting documents provided with the application to vary the permit
	processes	numbered R1, R4 and R5 (excluding temporary storage, pending collection, on the site where it is produced)	<p>Storage of processed IBAA, ferrous and non-ferrous metals after treatment.</p> <p>The maximum height of stockpiles is limited to 4.6m.</p> <p>The maximum height of stockpiles is limited to 6.7m.</p> <p>The maximum quantity of IBAA, ferrous/non-ferrous stored at any one time after treatment is limited to 38,304 and 1786 tonnes respectively.</p> <p>The maximum quantity of IBAA, ferrous/non-ferrous stored at any one time after treatment is limited to 50,000 and 2,500 tonnes respectively.</p> <p>Storage shall take place on an impermeable surface with sealed drainage system.</p>	Environmental Risk Assessment BAT Review (Application Report)
AR4	N/A	Storage of raw materials	From the receipt of raw materials to despatch for use within the facility. Raw materials as specified in Table S2.1.	N/A – No changes proposed
AR5		Abatement systems - operation of dust filtration units in building 2	Captured dust/particulates to be fully contained. There shall be no venting or release of dust from the abatement units to the atmosphere.	N/A – No changes proposed
AR6	N/A	Uncontaminated roof water collection and storage	Collection and storage of uncontaminated roof and site surface water in tanks. From collection of uncontaminated roof water to re-use within the facility.	N/A – No changes proposed
AR7	N/A	Collection and storage of contaminated surface water	From the collection of waste water produced at the facility to re-use within the facility or despatch off-site for recovery or disposal. Contaminated surface water runoff and process water/effluent collected from waste storage and treatment areas shall be stored temporarily in the wedge-pits or above-ground tanks prior to reuse or dispatch off-site.	N/A – No changes proposed

	Description of activities for waste operations	Limits of activities	
AR8	<p>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)</p> <p>R4: Recycling/reclamation of metals and metal compounds</p> <p>R5: Recycling/reclamation of other inorganic compounds</p>	<p>From receipt of waste to despatch off-site for use its recovery.</p> <p>Treatment operations shall be limited to screening for the purpose of recovery. Treatment operations shall be limited to sorting, separation, screening, crushing and blending of waste for the purpose of recovery.</p> <p>Mixing of the treated C&D waste with IBAA with non-waste and virgin aggregate in line with the product specifications.</p> <p>The maximum height of stockpiles is limited to 4.6m.</p> <p>The maximum height of stockpiles is limited to 5.5m for C&D waste and 6.7m for IBAA.</p> <p>The maximum quantity of C&D waste stored at any one time is limited to 7373 tonnes.</p> <p>The maximum quantity of C&D waste stored at any one time is limited to 15,000 tonnes.</p> <p>Storage and treatment shall take place on an impermeable surface with sealed drainage system (mixing of IBAA with non-waste aggregate) or on hardstanding (aggregate recycling).</p> <p>Waste types as specified in Table S2.3 (waste types updated)</p>	<p>Dust Management Plan</p> <p>Noise Impact Assessment</p> <p>Air Quality Assessment</p> <p>Environmental Risk Assessment</p> <p>Updated Table S2.3</p>