

Schedule 1 Listed Activities including Waste Codes & Directly Associated Activities

Schedule 1 Listed Activity	Description of Listed Activity	Waste types
S5.4 Part A(1)(b)(i)	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 100 tonnes per day involving biological treatment.	<p>All waste types listed in Appendix B of the Anaerobic Digestion Quality Protocol.¹:</p> <p>02 WASTES FROM AGRICULTURE, HORTICULTURE, HUNTING, FISHING AND AQUACULTURE PRIMARY PRODUCTION, FOOD PREPARATION AND PROCESSING</p> <p>02 01 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</p> <p>02 01 01 - Sludges from washing and cleaning <i>Restriction: Food processing waste and food washing waste only.</i></p> <p>02 01 02 - Animal tissue waste</p> <p>02 01 03 - Plant tissue waste. Including husks, cereal dust, waste animal feeds, off-cuts from vegetable and fruit and other vegetation waste.</p> <p>02 01 06 - Animal faeces, urine and manure (including spoiled straw) effluent, collected separately and treated off-site</p> <p>02 01 07 - Wastes from forestry <i>Restriction: Plant tissue waste only.</i></p> <p>02 01 99 - Wastes not otherwise specified <i>Restriction: Spent mushroom compost or discarded mushrooms from commercial mushroom cultivation only</i></p> <p>02 02 Wastes from preparation and processing of meat, fish and other foods of animal origin</p> <p>02 02 01 - Sludges from washing and cleaning <i>Restriction: Process water and food washing waste only</i></p> <p>02 02 02 - Animal tissue waste. Including blood, animal flesh, fish processing waste, fish carcasses and poultry waste.</p> <p>02 02 03 - Materials unsuitable for consumption or processing</p> <p>02 02 04 - Sludges from on-site effluent treatment</p> <p>02 02 99 - Wastes not otherwise specified <i>Restriction: Sludges from gelatine production and animal gut contents only.</i></p> <p>02 03 Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production, yeast and yeast extract production, molasses preparation and fermentation</p> <p>02 03 01 - Sludges from washing, cleaning, peeling, centrifuging and separation</p> <p>02 03 04 - Materials unsuitable for consumption or processing</p> <p>02 03 05 - Sludges from on-site effluent treatment</p> <p>02 03 99 - Wastes not otherwise specified <i>Restriction – Only:</i></p> <ul style="list-style-type: none"> – Sludge from production of edible fats and oils – Seasoning residues – Molasses residues – Residues from production of potato, corn or rice starch

¹ Anaerobic Digestion Quality Protocol, WRAP, January 2014

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		<p>02 04 Wastes from sugar processing 02 04 03 - Sludges from on-site effluent treatment <i>Restriction: Biological sludge only</i> 02 04 99 - Other biodegradable wastes 02 05 Wastes from dairy products industry 02 05 01 - Materials unsuitable for consumption or processing Including solid and liquid dairy products, milk, food processing wastes, yoghurt, and whey. 02 05 02 - Sludges from on-site effluent treatment <i>Restriction: Biological sludge only</i> 02 06 Wastes from the baking and confectionary industry 02 06 01 - Materials unsuitable for consumption or processing Including condemned food, food processing wastes, biscuits, chocolate, yeast, bread, bakery wastes. 02 06 03 - Sludges from on-site effluent treatment <i>Restriction: Biological sludge only</i> 02 07 Wastes from production of alcoholic and non-alcoholic beverages (except tea, coffee and cocoa) 02 07 01 - Wastes from washing, cleaning and mechanical reduction of raw materials Including brewing waste, food processing waste, fermentation waste 02 07 02 Wastes from spirits distillation <i>Restriction only:</i> – Spent grains, fruit and potato pulp – Sludge from distilleries 02 07 04 - Materials unsuitable for consumption or processing Including brewing waste, food processing waste, fermentation waste, beer, alcoholic drinks and fruit juice 02 07 99 - Wastes not otherwise specified <i>Restriction Only:</i> – Malt husks, malt sprouts, malt dust – Spent grains – Hops – Yeast and yeast like residues – Sludges from the production process 04 WASTES FROM LEATHER, FUR AND TEXTILE INDUSTRY 04 01 Wastes from the leather and fur industry 04 01 01 - Wastes from leather industry. Fleshings may also be described as leather shavings. <i>Restriction: Allowed only if hides and skins, or parts of them, originating from animals that did not show clinical signs of any disease communicable through that product to humans or animals.</i> 04 02 Wastes from the textiles industry 04 02 10 - Organic matter from natural products (for example grease, wax) 07 WASTE FROM ORGANIC CHEMICAL PROCESSES 07 01 Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals 07 01 08*- Other still bottoms and reaction residues <i>Restriction: Glycerol residue from biodiesel manufacture from non-waste vegetable oils only</i> 16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST (16) 16 01 Aqueous liquid wastes destined for off-site treatment</p>

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		<p>16 10 02 - Aqueous liquid wastes other than those mentioned in 16 10 01 <i>Restriction: Allowed only if digestate from an aerobic digestion process that accepts only the waste input types allowed by this Quality Protocol.</i></p> <p>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</p> <p>19 02 Wastes from physico/chemical treatments of waste</p> <p>19 02 03 - Premixed wastes composed only of non-hazardous wastes <i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 02 06 - Sludges from physico/chemical treatment other than those mentioned in 19 02 05 <i>Restriction: Acceptable only if derived solely from physical treatment and/or pH adjustment of input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 02 10 - Combustible wastes other than those mentioned in 19 02 08 and 19 02 09 <i>Restriction: Glycerol only.</i></p> <p>19 05 - Wastes from the aerobic treatments of wastes</p> <p>19 05 01 - Non-composted fraction of municipal and similar wastes <i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 05 02 - Non-composted fraction of animal and vegetable waste <i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 05 03 - Off-specification compost <i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 05 99 - Wastes not otherwise specified <i>Restriction: Allowed only if:</i> – liquor/leachate from a composting process that accepts only the waste input types allowed by this Quality Protocol; or – digestate from an aerobic digestion process that accepts only the waste input types allowed by this Quality Protocol.</p> <p>19 06 - Wastes from the anaerobic treatment of wastes</p> <p>19 06 03 - Liquor from anaerobic treatment of municipal waste <i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 06 04 - Digestate from anaerobic treatment of municipal waste</p>

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		<p><i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 06 05 - Liquor from anaerobic treatment of animal and vegetable waste</p> <p><i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 06 06 - Digestate from anaerobic treatment of animal and vegetable waste</p> <p><i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>19 08 Wastes from waste water treatment plants not otherwise specified</p> <p>19 08 09 - Grease and oil mixture from oil/water separation containing edible oils and fats</p> <p><i>Restriction: Grease and oil mixture containing only edible oils and fats only.</i></p> <p>19 08 12 - Sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11</p> <p><i>Restriction: Allowed only if uncontaminated by potentially polluting materials or substances harmful to anaerobic bacteria.</i></p> <p>19 12 Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</p> <p>19 12 12 - Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11</p> <p><i>Restriction: Acceptable only if derived solely from input types allowed by this Quality Protocol and remains segregated from, and uncontaminated by, any other waste type.</i></p> <p>20 MUNICIPAL WASTES AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES INCLUDING SEPARATELY COLLECTED FRACTIONS</p> <p>20 01 Separately collected fractions</p> <p>20 01 01 - Paper and cardboard</p> <p><i>Restriction: Not allowed if any non-biodegradable coating or preserving substance present.</i></p> <p>20 01 08 - Biodegradable kitchen and canteen waste</p> <p>20 01 25 - Edible oil and fat</p> <p>20 01 38 - Wood other than that mentioned in 20 01 37</p> <p><i>Restriction: Untreated wood only. Not allowed if any non-biodegradable coating or preserving substance present.</i></p> <p>20 02 Garden and park wastes (including cemetery waste)</p> <p>20 02 01 - Biodegradable waste Including animal faeces, manure, garden waste, green waste, horticulture waste, plant tissue, parks and garden waste, hedge and tree trimmings, grass cuttings and leafy materials.</p> <p>20 03 Other municipal wastes</p> <p>20 03 01 - Mixed municipal waste</p> <p><i>Restriction: Allowed only if separately collected biodegradable wastes otherwise allowed by this Quality</i></p>

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		<p><i>Protocol. If former foodstuffs are packaged, the restrictions given above on packaging wastes apply.</i></p> <p>20 03 02 - Waste from markets</p> <p>– <i>Restriction: Allowed only if source segregated biodegradable fractions. Examples are plant material, fruit and vegetables</i></p> <p>– <i>Restriction: Packaging waste from a market source is allowed only if it is otherwise allowed by this Quality Protocol.</i></p>
S6.8 Part A(1)(c)	Disposing of or recycling animal carcasses or animal waste, other than by rendering in a small waste incineration plant, at a plant with a treatment capacity exceeding 10 tonnes per day of animal carcasses or animal waste or both in aggregate	<p>02 WASTES FROM AGRICULTURE, HORTICULTURE, HUNTING, FISHING AND AQUACULTURE PRIMARY PRODUCTION, FOOD PREPARATION AND PROCESSING</p> <p>02 01 Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</p> <p><i>02 01 02 - Animal tissue waste – Category 3 ABP including blood, animal flesh, fish processing waste, poultry waste – Category 2 ABP – consisting only of paunch contents</i></p> <p>02 02 Wastes from preparation and processing of meat, fish and other foods of animal origin</p> <p><i>02 02 02 - Animal tissue waste. Category 3 ABP including blood, animal flesh, fish processing waste, poultry waste</i></p> <p><i>02 02 99 – non specified sludges from gelatine production – animal gut contents</i></p>

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Name of Directly Associated Activity (DAA)	Description of DAA (all serve S5.4 Part A(1)(b)(i))
Storage of waste pending recovery or disposal	<p>Storage of solid waste inside the dedicated reception building with odour abatement.</p> <p>Storage of liquid waste in dedicated tanks within the secondary containment area and in the mixing pit within the reception building</p>
Physical treatment for the purpose of recycling	<p>Waste pre-treatment within the reception building including maceration, depackaging and mixing.</p> <p>Digestate will be macerated and passed through a 10mm sieve prior to being heat treated in the pasteurisers (70°C for 1 hour).</p> <p>Separation of waste derived digestate in reception building and on an impermeable surface with a sealed drainage system for use as a fertiliser or soil conditioner.</p> <p>Separation of crop derived digestate on an impermeable surface with a sealed drainage system for use as a fertiliser or soil conditioner.</p> <p>Gas cleaning by biological, physical (carbon filtration) and chemical scrubbing.</p>
Steam and electrical power supply	<p>Combustion of biogas in one combined heat and power (CHP) engine (thermal input of 3,786kW) with a 7m stack.</p> <p>Combustion of biogas in back-up boiler (560kW) with a 10m stack.</p>
Emergency flare operation (2 flares)	<p>Combustion of biogas from Crop-AD Plant during abnormal operations only e.g. extended CHP maintenance.</p> <p>Combustion of biogas from Waste-AD plant during abnormal operations only e.g. extended gas upgrade equipment breakdown or maintenance.</p> <p>Combustion of off-specification biomethane.</p>
Gas upgrading	Upgrading of biogas to biomethane (including the removal of moisture and other substances such as carbon dioxide, hydrogen sulphide and Volatile organic compounds) for injection into the National Grid.
Raw material storage	Storage of raw materials including lubrication oil, sulphuric acid, propane, ferric chloride, activated carbon, diesel.
Gas storage	Storage of biogas above digesters and large pre-storage tank

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Digestate storage	<p>Storage of waste derived digestate liquor in a covered lagoon.</p> <p>Storage of waste derived digestate fibre in the reception building benefitting from air handling and odour abatement.</p> <p>Storage of crop derived digestate liquor in a covered lagoon.</p> <p>Storage of crop derived digestate fibre in a covered trailer.</p>
Surface water collection and storage	<p>Collection of rainwater in a tank and a surface water lagoon. Water to be reused in the process. Any excess water will be discharged to the ditch network at the south of the site. This pipe is to discharge at a maximum 4l/s flow rate.</p>
Dirty water collection and storage	<p>Collection of silage effluent in underground effluent tanks. Collection and storage of dirty water from apron in front of clamps into a dirty water lagoon. Silage effluent and dirty water to be reused in the process.</p>
Air treatment	<p>Collection and treatment of air from the reception building prior to discharge via a single 14m stack.</p>