

Eco Sustainable Solutions Limited, Parley Waste Management Facility (PWWF), Change to Permitted Activities (EA/ EPR/GP3793FY/V019), January 25

Table 1 details the Listed Activities under the Environmental Permitting (England and Wales) Regulations 2016 (EPR) and Directly Associated Activities at the PWWF and proposed changes under the permit variation.

Table 1 – Listed, Directly Associated Activities & Waste Activities

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
AR1	AR1	<p>Listed Activity - Schedule 1 of the EPR under S5.4 A(1) (b) (i).</p> <p>Recovery or a mix of recovery and disposal of non-hazardous waste with a treatment capacity exceeding 100 tonnes a day involving biological treatment.</p>	R3 – recycling and reclaiming organic substances which are not used as solvents.	<p>From receipt of permitted waste through to digestion and recovery of by-product (digestate).</p> <p>Anaerobic digestion of permitted waste in 6 digestion tanks.</p> <p>Waste types suitable for acceptance are limited to those specified in Table S2.2.</p>	<p>Anaerobic digestion will be carried out in 3 No. tanks not 6 due to a proposed change in technology provider.</p> <p>The waste types in Table S2.2 are to be amended to include:</p> <p>02 01 99 wastes not otherwise specified – spent mushroom compost from commercial mushroom growing only.</p> <p>02 02 04 sludges from on-site effluent treatment including sludges from gelatine production</p> <p>03 01 01 Waste bark and cork. Restriction: Untreated only</p> <p>03 01 05 Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04</p>

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
					<p>03 03 11 Sludges from on-site effluent treatment other than those mentioned in 03 03 10</p> <p>07 01 08* glycerol waste from bio-diesel manufacture from non-waste vegetable oils only</p> <p>16 10 02 untreated wash waters from cleaning fruit and vegetables on farm only</p> <p>16 10 02 milk and dairy waste milk from agricultural premises only</p> <p>16 10 02 liquor/leachate from a composting process that accepts waste input types listed in this table only and in compliance with Animal By-Products Regulations</p> <p>19 12 12 waste types listed in this table, Table S2.2, that have been subjected to mechanical treatment only (from a process that treats wastes which are listed in this table only).</p> <p>EWC waste codes to be removed:</p> <p>03 03 02 green liquor sludge</p>

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
					<p>04 01 05 tanning liquor free of chromium</p> <p>04 01 07 sludges not containing chromium</p> <p>15 01 02 plastic packaging – compostable plastics only certified to EN 13432 or equivalent certified compostable or digestible standard</p>
AR2	AR2	<p>Listed Activity - Schedule 1 of the EPR under S5.4 A(1) (b) (i).</p> <p>Recovery or a mix of recovery and disposal of non-hazardous waste with a treatment capacity exceeding 100 tonnes a day involving biological treatment.</p>	As above	<p>From receipt of waste through to composting and recovery of by-products.</p> <p>Composting of waste under aerobic conditions in open systems such as outdoor turned windrows or aerated static piles on impermeable surface with a sealed drainage system.</p> <p>The maximum height of the windrows shall not be higher than 4 metres.</p> <p>Leachate/liquid waste may only be used to condition compost where there is a direct benefit to the composting process.</p>	No change

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				<p>Liquid waste shall only be added if the moisture content of the compost falls below 50% (w/w).</p> <p>Waste types and quantity as specified in Table S2.3.</p>	
AR3	AR3	<p>Listed Activity – Schedule 1 of the EPR under S5.4 A(1)(a)(i)</p> <p>Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment.</p>	D8: Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12.	<p>From receipt of waste process water into two lagoons to discharge to foul sewer via emission point S1.</p> <p>Treatment of contaminated process water and contaminated surface water run-off in two lagoons utilising biological treatment (aeration).</p> <p>Influent to the lagoons shall only consist of:</p> <ul style="list-style-type: none"> - Contaminated process water from within the AD plant bunded area - Contaminated surface water run-off from the green waste composting area, the soils yard, the wood yard and the street sweepings process area. 	<p>Add details to the description of water treatment prior to discharge to the sewer:</p> <p><i>Treatment of contaminated process water and contaminated surface water run-off in two lagoons utilising biological treatment (aeration) and removal of suspended solids using a filtration bag and lamella tanks prior to discharge to sewer</i></p>

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
NA	AR4	<p>Listed Activity – Schedule 1 of the EPR under S5.4 A(1)(a)(ii)</p> <p>Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving pre-treatment of waste for incineration or co-incineration</p>	<p>Solid Recovered Fuel (SRF) Plant</p> <p>R3: Recycling or reclamation of organic substances which are not used as solvents.</p> <p>R5: Recycling/reclamation of other inorganic materials.</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p>	<p>Treatment operations shall be limited to:</p> <p>Physical treatment consisting of shredding, removal of recyclates, and baling for the purpose of recovery.</p> <p>Waste types and quantity as specified in Table S2.7.</p>	<p>To be added to varied permit as a new listed activity.</p> <p>Maximum annual tonnage of 150,000 tonnes per annum.</p>
AR4	AR5	<p>Directly Associated Activity (DAA) - Storage of waste pending recovery or disposal (Anaerobic digestion)</p>	<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>From the receipt of permitted waste to pre-treatment and despatch for anaerobic digestion on site.</p> <p>Storage of residual wastes from pre-treatment to despatch off-site for recovery.</p> <p>Storage of waste in an enclosed building fitted with appropriate odour abatement and on an impermeable surface with a sealed drainage system.</p>	<p>Waste types in Table S2.2 to be amended as per AR1.</p> <p>Current annual permitted tonnage is 33,000 tonnes per annum (TPA), it is proposed to increase this limit to 70,000 tonnes per annum.</p>

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				Waste types and quantity as specified in Table S2.2.	
AR5	AR6	DAA - Physical treatment for the purpose of recycling (Anaerobic digestion)	R3 – recycling and reclaiming organic substances which are not used as solvents.	<p>From the receipt of waste to despatch for anaerobic digestion or despatch off site for recovery.</p> <p>Pre-treatment of waste in an enclosed building fitted with appropriate odour abatement and on an impermeable surface with a sealed drainage system, including shredding, maceration, and litter and grit separation.</p> <p>Post-treatment of digestate in an enclosed building fitted with appropriate odour abatement and on an impermeable surface with a sealed drainage system, including heating, addition of thickening agents and rotary drying, for use as a fertiliser.</p> <p>Heat treatment (pasteurisation) of waste in a bank of 6 tanks for the purpose of recovery.</p>	Pasteurisation will be carried out in 3 No. tanks not 6 due to a proposed change in technology provider.

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				<p>Gas cleaning by biological or physical (carbon filtration) or chemical scrubbing.</p> <p>Waste types and quantity as specified in Table S2.2.</p>	
AR6	AR7	DAA – Gas storage	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>Storage of biogas produced from on-site anaerobic digestion of permitted waste in the roof space of 6 digesters.</p> <p>From the receipt of biogas produced at the on-site anaerobic digestion process to despatch for use within the facility.</p>	As per AR1 Anaerobic digestion will be carried out in 3 No. tanks not 6 due to a proposed change in technology provider.
AR7	AR8	DAA - 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.	<p>From the receipt of biogas produced by the on-site anaerobic digestion process to injection into the National Grid.</p> <p>This includes return of off-specification biogas for combustion to the on-site emergency flare.</p>	No change
AR8	AR9	DAA - Auxiliary / emergency flare operation	D10: Incineration on land.	From the receipt of biogas produced at the on-site anaerobic digestion process to	The location of the flare is changing. See Combustion Plant List.

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				<p>incineration with the release of combustion gases.</p> <p>Use of one auxiliary /emergency gas flare, only during periods of maintenance or breakdown of the biogas upgrading plant.</p>	
NA	AR10	DAA - Gas combustion to produce heat and power	R1 – use principally as a fuel or other means to generate energy.	Use of natural gas as a fuel in 1 No. combined heat and power engine (2.356MWthi net rated thermal input) with 13.5m stack to produce heat and electricity. Electricity use on site only. Heat to AD plant. Use of natural gas and biogas in a 0.87MWthi boiler with 8m stack to produce heat. Heat to AD plant.	New DAA
AR9	AR11	DAA - Digestate storage	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>From the receipt of processed uncertified digestate produced from the on-site anaerobic digestion process to despatch for use off-site.</p> <p>Storage of processed uncertified liquid digestate in 6 storage tanks.</p> <p>Storage of processed uncertified solid digestate in covered bay(s) or building(s) and on an</p>	As per AR1 Anaerobic digestion will be carried out in 3 No. tanks not 6 due to a proposed change in technology provider.

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				impermeable surface with a sealed drainage system.	
NA	AR12	DAA - Dirty water collection and storage	Collection and reuse of dirty water.	<p>Collection and storage of dirty water from inside AD Waste Reception Hall including vehicle wash water to a sump which is pumped to the 2 no. pre-storage tanks for reuse in the AD process.</p> <p>Collection and storage of water from the secondary containment bund for reuse in the AD process and / or discharge to the sewer under Emission Point S1.</p>	New DAA
AR10	AR13	<p>DAA - Storage of waste pending recovery or disposal</p> <p>(Open windrow composting)</p>	R13: Storage of waste pending the R3 operation (excluding temporary storage, pending collection, on the site where it is produced)	<p>From the receipt of waste to despatch for physical treatment prior to composting, or despatch for recovery and/or disposal.</p> <p>Storage of waste on an impermeable surface with a sealed drainage system.</p> <p>No more than 1,200m³ of waste pending treatment and composting shall be stored at any one time.</p>	No change

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				<p>No more than 25,000m³ of waste shall be stored on the maturation pad at any one time.</p> <p>Waste pending treatment and composting shall be stored for no longer than 24 hours (except over weekends / bank holidays where storage can be up to 72 hours).</p> <p>Waste pending recovery or disposal shall be stored no higher than 4 metres.</p> <p>Waste types and quantity as specified in Table S2.3.</p>	
AR11	AR14	DAA - Physical treatment for the purpose of recycling (Open windrow composting)	R3: Recycling/reclamation of organic substances which are not used as solvents.	<p>From the receipt of waste to despatch for composting or despatch off site for recovery.</p> <p>Pre-treatment of waste prior to composting on an impermeable surface with a sealed drainage system, including shredding and screening.</p> <p>Post-treatment of processed compost on an impermeable surface with a sealed drainage</p>	No change

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				<p>system, including screening to remove contraries.</p> <p>Waste types and quantity as specified in Table S2.3.</p>	
AR12	AR15	DAA - Storage of finished compost and non-composted fraction	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>From the receipt of processed uncertified compost and non-composted fraction produced at the facility to treatment on site and despatch for use off-site.</p> <p>Storage of processed uncertified compost on an impermeable surface with sealed drainage.</p>	No change
AR13	AR16	DAA - Process water and surface water collection and treatment	Collection and physical treatment of composting liquor/leachate and contaminated surface water run-off from the green waste composting area and street sweepings process area via settlement tanks	From the receipt of composting liquor/leachate and contaminated surface water run-off from the green waste composting area and the street sweepings process area to discharge to 2 lagoons.	No change
AR14	AR17	DAA - Process water and surface water collection and storage	Collection and storage of composting liquor/leachate and contaminated surface water run-off from the green waste composting area, the soils yard, the wood yard and the street sweepings process area in 2 lagoons.	From the receipt of composting liquor/leachate and contaminated surface water run-off from the green waste composting area, the soils yard, the wood yard and the street sweepings process area to despatch for on-site treatment	No change

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				prior to disposal to foul sewer via emission point S1	
AR15	AR18	DAA - Surface water collection and storage	Collection and storage of contaminated surface water run-off in primary silt lagoon.	From the collection of surface water run-off from the soils yard and the site entrance to despatch for reuse or further treatment within the facility.	No change
AR16	AR19	DAA - Surface water treatment	Appropriate treatment of contaminated surface water run-off	From receipt of run-off to discharge to surface water via emission point SW1 (only permitted on completion of Preoperational Condition PO12).	No change
AR17	AR20	DAA - Raw material storage	Storage of raw materials including lubrication oil, antifreeze, ferric chloride, and activated carbon.	From the receipt of raw materials to despatch for use within the facility.	Revised Raw Material Inventory submitted with substantial permit variation application. ¹
AR18	AR21	DAA - Air treatment	Collection and treatment of air from the buildings or plant using abatement system – [biofilters] prior to release to atmosphere.	From the collection of air from site processes to treatment and release of treated air to atmosphere.	There are 4 No. permitted biofilters within existing permit (A1, A2, A3 & A4). It is proposed that A1 will remain as it is serving the food waste bulking barn. A2 will serve the new waste reception building at the AD plant. Biofilters A3 & A4 will no longer be

¹ SPC0051/V019/RawMat/V1/EcoPar/Feb25

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					<p>required and can be removed from the permit.</p> <p>A3 will now represent the carbon filter for 2. No AD Pre-storage tanks. A4 will represent the CHP.</p>
AR19	AR22	Waste Activity - Soil Recycling	<p>Soil Recycling</p> <p>R3: Recycling or reclamation of organic substances which are not used as solvents.</p> <p>R5: Recycling/reclamation of other inorganic materials.</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p>	<p>Treatment including sorting, separation, screening, blending of compost and soils, washing of oversized gravels.</p> <p>The recirculation of UV treated sewage effluent in a closed system, for the purpose of aggregate washing; and the subsequent settlement and removal of associated solids, from concrete lined silt lagoons.</p> <p>All wastes must be treated on areas of hard standing and all drainage must fall to the primary silt lagoon or the main site lagoons.</p> <p>Waste types and quantity as specified in Table S2.4.</p> <p>Wastes having any of the following characteristics shall not be accepted:</p>	No change

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				<ul style="list-style-type: none"> • Consisting solely or mainly of dusts, powders or loose fibres. • Hazardous wastes. 	
AR21	AR23	Waste Activity - Road Sweepings Recycling Plant	<p>Road Sweepings Recycling Plant</p> <p>R3: Recycling or reclamation of organic substances which are not used as solvents.</p> <p>R4: Recycling or reclamation of metals and metal components.</p> <p>R5: Recycling or reclamation of other organic materials.</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p> <p>D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcinations.</p> <p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage,</p>	<p>Treatment of non-hazardous waste (road sweepings and freshwater drilling muds) and hazardous waste (oil contaminated drilling muds) for the purpose of recovery.</p> <p>Physico-chemical treatment of non-hazardous and hazardous waste including washing, flocculation, shredding, screening, crushing, baling, and pelletising.</p> <p>Biological treatment of non-hazardous waste consisting of aerobic composting or bio-drying (no more than 75 tonnes per day).</p> <p>Compost-like output (CLO) produced from the activity shall not be spread to agricultural land.</p> <p>Temporary storage of hazardous waste (filter cake resulting from the treatment of oil</p>	Add European Waste Catalogue Code 19 12 12 to Table S2.6 with respect to the road sweeping activity.

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
			pending collection, on the site where it is produced).	<p>contaminated drilling muds) pending off-site transfer.</p> <p>Temporary storage of process water arising from hazardous waste treatment pending off-site transfer.</p> <p>All wastes must be stored and treated on an impermeable surface with a sealed drainage system.</p> <p>Hazardous and non-hazardous wastes must not be mixed.</p> <p>Waste types and quantities as specified in Table S2.6.</p>	
AR22	AR4	Waste Activity - Solid Recovered Fuel (SRF) Plant	<p>Solid Recovered Fuel (SRF) Plant</p> <p>R3: Recycling or reclamation of organic substances which are not used as solvents.</p> <p>R5: Recycling/reclamation of other inorganic materials.</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary</p>	<p>Treatment operations shall be limited to:</p> <p>Physical treatment consisting of shredding, removal of recyclates, and baling for the purpose of recovery (no more than 75 tonnes per day).</p> <p>Waste types and quantity as specified in Table S2.7.</p>	<p>Amend waste quantities in Table S2.7 for the Solid Recovered Fuel (SRF) Plant (AR22) to allow up to 150,000 tpa.</p> <p>This becomes a new listed activity under Schedule 1 of the EPR under S5.4 A(1) (b) (ii) Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving pre-</p>

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			storage, pending collection, on the site where it is produced).		treatment of waste for incineration or co-incineration. (New ref AR4)
AR23	NA	Waste Activity - Bedding Plant	Bedding Plant As per current permit	As per current permit	Remove this activity as no longer required.
AR24	AR24	Waste Activity - Plastics and Rejects Drier	Plastics and Rejects Drier R3: Recycling or reclamation of organic substances which are not used as solvents. R5: Recycling/reclamation of other inorganic materials. R13: Storage of wastes 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 resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12	Treatment operations shall be limited to: Heat treatment of waste for the purpose of recovery via the SRF plant, or disposal off-site as CLO. Waste types and quantity as specified in Table S2.9.	No change

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
AR25	AR25	Waste Activity - ABPR and Food Waste Bulking and Transfer	<p>ABPR and Food Waste Bulking and Transfer</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced).</p>	<p>From the receipt of waste to despatch off-site for recovery.</p> <p>Storage of waste in an enclosed building fitted with appropriate odour abatement and on an impermeable surface with a sealed drainage system.</p> <p>All discharge, storage and reloading activities to take place within the reception building, behind closed doors.</p> <p>Loading bays to be filled and emptied alternately to ensure a first-in first-out (FiFo) policy of stock rotation.</p> <p>No more than 200 tonnes of ABPR and food waste to be stored in the reception building at any one time.</p> <p>Activity to take place within the former IVC barn until the new AD facility is commissioned, whereupon the activity will take place within the confines of the new AD / ABPR reception building.</p>	<p>Proposal to remove this limit of activity:</p> <p><i>Activity to take place within the former IVC barn until the new AD facility is commissioned, whereupon the activity will take place within the confines of the new AD / ABPR reception building.</i></p> <p>Eco would like to continue to have the facility to transfer food waste in the former IVC barn even when new AD plant is operational.</p>

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
				Waste types and quantity as specified in Table S2.10.	
AR26	AR26	Waste Activity - Construction of engineered surfacing on area of site extension	<p>Construction of engineered surfacing on area of site extension</p> <p>R3: Recycling or reclamation of organic substances which are not used as solvents</p> <p>R5: Recycling/reclamation of other inorganic materials</p> <p>R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p>	<p>Secure storage of wastes for the purpose of recovery.</p> <p>Storage of wastes shall be limited to three years.</p> <p>Use of waste types for the purposes of construction work as detailed in the approved waste recovery plan.</p> <p>Waste types and quantity as specified in Table S2.11.</p>	No change
AR27	AR27	Waste Activity - Waste water evaporation treatment	<p>Waste water evaporation treatment</p> <p>D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12</p> <p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage,</p>	<p>Treatment operations shall be limited to:</p> <p>Heat treatment of waste for the purpose of disposal off-site.</p> <p>Waste types and quantity as specified in Table S2.12.</p>	No change

Reference in current permit	Proposed new reference	Permitted Activities	WFD Annex II operations	Limits of activity	Proposed change(s)
			pending collection, on the site where it is produced).		