

# Attachment 2

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**Table G.1(i) Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site**

Ref. N° or Code	Material/Substance <sup>(1)</sup>	CAS Number	Danger <sup>(2)</sup> Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R <sup>(3)</sup> - Phrase	S <sup>(3)</sup> - Phrase	Hazard Statement <sup>(4)</sup>
001	Pig Manure	n/a	n/a	300 m3	23,000	Intended feedstock for the digester	R20, R22, R36, R37, R38, R39, R48, R52, R53, R59, R68	S26, S46	H332
002	Imported organic material	n/a	n/a	300	25,500	Intended feedstock for the digester	R52, R53, R58	S26	H413
003	Exported Solid Digestate	n/a	n/a	1406	4570	Applied to land by mechanical equipment	R52, R53	S26, S46	H413
004	Exported Liquid Digestate	n/a	n/a	20500	41100	Applied to land by mechanical equipment	R52, R53	S26, S46	H413
005	Electricity	n/a		9,783,707 kWh (produced)	The Parasitic electrical load on the Biogas Plant is estimated at 211 KVA	The 9,783,707 kWh produced will go to the Grid Connection.	R14, R21, R34, R35, R39, R48, R52, R53, R58, R68	S1, S25, S30, S33,	n/a
006	Heat	n/a	n/a	63,500Kwh	11,382,706kWh (produced)	Pasteurising/ Process	R34, R35, R52	S1	n/a
007	Water	n/a	n/a	n/a	Weekly Water Consumption 27000 litres.	Vehicle/container washing, yard washing, site facilities, ancillary.	n/a	n/a	n/a
008	Biogas	n/a	Article 2 section 2(c)	Approximately 10% of the input amount		Connection to the Grid	R8, R11, R12, R20/21/22, R26, R36/38, R50, R52/53	S9, S16, S33	H220
009	Fuel for mechanical vehicle	68334-	n/a	1000 litres	3000 litres	Fuel for mechanical	R10, r21, r22, R36,	S1, S2,	H226

		30-5				vehicle	R38, R40, R53, S57, R58,	S25, S56, S57, n/a	n/a
010	Hydraulic Oils	n/a	n/a	minor	minor	Lubricants – motors, plant	n/a	n/a	n/a
011	Transformer Oil	63148- 62-9	n/a	minor	minor	transformers	n/a	n/a	n/a

- Notes:
1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
  2. Article 2(2) of S.I. No. 116/2003
  3. Schedules 9 and 10 of S.I. No. 62/2004 (as amended by S.I. No. 271/2008)
  4. EC Regulation 1272/2008 (Chemicals Act 2008 (13 of 2008) and 2010)

**Table G.1(ii) Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site**

Ref. No or Code	Material/ Substance <sup>(1)</sup>	Odour			Pollutants (Tick and specify Group/Family Number)			
		Odourous Yes/No	Description	Threshold $\mu\text{g}/\text{m}^3$	EC EO (Surface Waters) Regulations 2009		EC EO Groundwater Regulations 2010	
					Specific pollutants	Priority (hazardous) substances	Hazardous <sup>1</sup>	Non-hazardous <sup>1</sup>
001	Pig Manure	yes	Pig manure to be imported from a neighbouring pig farm unit owned by Martin O' Donovan – director at Timoleague Agri Gen Ltd.	N/a				X
002	Imported Organic Material	Yes	Imported feedstock for the process including: Dairy sludge, paunch bovine, paunch pigs, flotation sludge, fat trap waste, fish waste, fruit residuals, vegetable residuals, DRAFF via beer	N/a				X

003	Exported Solid Digestate	no	production, seaweed, feed mill residuals, bread. Digestate is the material remaining after the anaerobic digestion of the pig manure and organic material	N/a					X
004	Exported Liquid Digestate	no	feedstock. Anaerobic digestion produces two main odourless products: digestate and biogas. The liquid fraction of the digestate	N/a					X
005	Electricity	no	9,783,707 kWh of electricity will be produced by the process.	N/a	N/A	N/A	N/A	N/A	N/A
006	Heat	no	11,382,706kWh will be produced by the process.	N/a	N/A	N/A	N/A	N/A	N/A
007	Water	no	Water will be supplied by a private well.	N/a	N/A	N/A	N/A	N/A	X
008	Biogas	no	Biogas is a colorless, odorless, inflammable gas. Biogas will be produced as a result of the Anaerobic process.	N/a					X
009	Fuel	yes	Diesel for mechanical vehicle onsite	N/a			X		
010	Hydraulic Oils	no	Lubricants – motors, plant						X
011	Transformer Oil	no	Transformers						X

Note 1: The EPA Classification of Hazardous and Non-Hazardous Substances in Groundwater, December 2010