

FUMAGALLI INDUSTRIA ALIMENTARI SPA

LANGHIRANO FACILITY (PR), VIA CASCINAPIANO 73

ENVIRONMENTAL STATEMENT 2018 **UPDATE AS OF 30.09.2020**

**ENVIRONMENTAL STATEMENT
VALIDATED BY**

IMQ

**ACCREDITED VERIFIER
IT-V-0017
ON 20/12/2020**

VALIDATED INFORMATION
Registered at no. IT-001535

signed

INFORMATION FOR THE PUBLIC

The information in this statement is updated to **30 September 2020**.

This updated Environmental Statement has been drawn up in accordance with Regulation (EC) 1221/2009 as amended by Regulation (EU) 2017/1505 of 28 August 2017 and Regulation (EU) 2018/2026 of 19 December 2018 of the European Commission.

As regards the information given in Annex IV, as amended by Regulation (EU) 2018/2026, please note that:

- this statement contains all the elements indicated in sections A, B and C;
- the core environmental performance indicators listed at point 2 letter c) of section C of the aforementioned Regulation have been taken into consideration;
- the indicator referring to land use with regard to biodiversity given at point 2 letter v) of section C of the Regulation has been included in the information provided about the area occupied by the factory.

This update is an integral part of the Environmental Statement 2018. Both documents are available upon request to:

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NACE code (ATECO 2007): 10.13.0 Production of meat and poultry meat products

APPROVAL STATEMENT

IMQ S.p.A., in its capacity as Accredited Verifier IT-V-0017, visited the Organisation on 16/12/2020, conducted interviews with personnel and analysed documentation and reports, enabling it to validate the information and data given in this annual update of the Environmental Statement.

Fumagalli Industria Alimentari S.p.A. will prepare its next Environmental Statement by December 2021 and will submit the annual updates of its Environmental Statement to the Accredited Verifier.

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1. General information

This is the second annual update of the Environmental Statement 2018 and contains any changes or new information which have come to light in the interim, as well as an update of the environmental data and indicators; all the other information has remained the same and may be viewed in the Environmental Statement 2018.

The Organisation has been involved in no disputes or litigation regarding environmental protection issues or health and safety in the workplace either with the public administration or the local community.

2. Updated data and indicators

The core environmental performance indicators listed at point 2 letter c) of section C of Regulation (EU) 2018/2026 were taken into consideration:

- energy
- material
- water
- waste
- land use
- emissions

The table below gives the applicability of the above indicators and those actually used.

Proposed indicators Reg. 2018/2026		Applicability	Indicators used		Notes	Source for A
A	B		A	B		
total direct energy consumption	meat processed	APPLIED	electricity (MWh)	meat processed (ton)		meter readings, bills
			methane (m ³)	meat processed (ton)		
total renewable energy consumption	meat processed	NOT APPLIED			indicator not relevant as energy generated from renewable sources is not used	
total renewable energy generation	meat processed	NOT APPLIED			indicator not relevant as energy is not generated from renewable sources	
annual mass-flow of key materials used	meat processed	APPLIED	chemicals (kg)	meat processed (ton)		purchasing documents

Proposed indicators Reg. 2018/2026		Applicability	Indicators used		Notes	Source for A
A	B		A	B		
			packaging (ton)	meat processed (ton)		number of packs produced and relative weight
total annual water use	meat processed	APPLIED	water intake (m ³)	meat processed (ton)		meter readings, bills
			water discharged (m ³)	meat processed (ton)		meter readings
total annual generation of waste	meat processed	APPLIED	sludge (kg)	meat processed (ton)		waste transportation documents (weight recorded at destination)
			mixed materials packaging (kg)	meat processed (ton)		waste transportation documents (weight recorded at destination)
			by-products of animal origin (kg)	meat processed (ton)		registers kept in accordance with legislation on animal by- products
total annual production of hazardous waste	meat processed	APPLIED	greasy waste (kg)	meat processed (ton)		waste transportation documents (weight recorded at destination)
total use of land	meat processed	APPLIED	area occupied by the factory (sqm)	-	the data referring to the total use of land have not been correlated with meat processed	building practices
total sealed area	meat processed	APPLIED	sealed area occupied by the factory (sqm)	-		building practices

Proposed indicators Reg. 2018/2026		Applicability	Indicators used		Notes	Source for A
A	B		A	B		
total nature-oriented area on site	meat processed	NOT APPLIED			indicators not relevant as there are no areas designed to promote biodiversity on site or belonging to the company off site	
total nature-oriented area off site	meat processed	NOT APPLIED				
total annual emissions of greenhouse gases	meat processed	APPLIED	emissions of CO ₂ equivalent regarding energy consumption (ton CO ₂ eq.)	meat processed (ton)		methane and electricity consumption from meter readings and bills
	meat processed	NOT APPLIED			the data referring to topped-up refrigerant gases (ton CO ₂ eq.) have not been correlated with meat processed as these emissions do not refer to the production process	
total annual air emission	meat processed	NOT APPLIED			indicator not relevant as the emissions referring to the production process are not significant	

(table 1)

As can be seen in the table, the indicators were calculated as the relationship between the data indicating total annual use/impact and the amount of meat processed annually by the Organisation.

Data referring to some core environmental performance indicators are not reported as they were not considered relevant to the Organisation's business.

The indicator referring to land use with regard to biodiversity given at point 2 letter v) of section C of Regulation (EU) 2018/2026 has been included in the information provided about the area occupied by the factory.

Below are the data and indicators updated as of 30 September 2020.

All the data and indicators in the table are given in the Environmental Management System document MOD. 3.1-C, which is updated at least once a year.

Parameter		Unit	2017	2018	2019	Sept 20
Processed products	Processed pork meat	Ton	1,206.701	1,281.054	1,152.878	805.856
	Finished product	Ton	821.472	721.295	898.070	678.923
Packaging	BOXES for shipping	Ton	68.168	62.130	56.856	45.311
	PLASTIC FILM for packing	Ton	94.386	86.026	78.723	62.739
Chemicals	DETERGENTS and DISINFECTANTS	Ton	3.6	6.0	3.6	2.7
	WATER SOFTENER SALT	Ton	7.5	8	13	12
	Electricity	MWh	925.060	908.482	909.823	729.224
Energy consumption	Methane	m ³	38,593	42,570	52,568	38,332
	CO ₂ equivalent	Ton	417.6	419.2	439.2	344.6
	Top-up R404a	kg	150	96	32	0
Refrigerant gases	Total R404a	kg	450	450	450	450
	Top-up percentage	%	33%	21%	7%	0%
	From public network	m ³	8537	11957	10039	8261
Water consumption	Condenser water	m ³	4205	3333	3722	3047
	Discharged into sewers	m ³	5,511	10,440	8,724	6,603
	NO ₂ (threshold value: 350)	mg/Nm ³	13.3	36.8	20.9	
Emissions in air	CO (threshold value: 100)	mg/Nm ³	12.8	10	26	**
	Efficiency (minimum threshold: 90%)	%	94.4	92.2	94.6	%
	Sludge (EWC 02.02.04)	Ton	125.32	123.96	111.64	84.3
Waste disposed of	Mixed materials packaging (EWC 15.01.06)	Ton	72.65	61.89	53.7	50.72
	By-products of animal origin	Ton	286.5	304.47	300.66	226.27
	[water intake/meat processed]	m ³ /t	7.075	9.334	8.708	10.251
Indicators	[water discharged/meat processed]	m ³ /t	4.567	8.150	7.567	8.194
	[electricity/meat processed]	MWh/t	0.767	0.709	0.789	0.905
	[methane/meat processed]	m ³ /t	31.982	33.230	45.597	47.567
	CO ₂ eq. / meat processed	Ton/Ton	0.346	0.327	0.381	0.428
	chemicals / meat processed	kg/Ton	9.2	9.0	14.4	18.3
	packaging / meat processed	Ton/Ton	0.135	0.116	0.118	0.134
	Sludge (EWC 02.02.04) / meat processed	kg/Ton	103.85	96.76	96.84	104.61
	Mixed materials packaging (EWC 15.01.06) / meat processed	kg/Ton	60.21	48.31	46.58	62.94
	By-products of animal origin / meat processed	Kg/Ton	237.44	237.67	260.79	280.79

(table 2)

** 2020 data on atmospheric emissions are not yet available as measurements are taken in the final quarter of the year.

Water discharge: parameters	Applicable thresholds ⁽¹⁾		2017 ⁽²⁾	2018 ⁽²⁾	2019 ⁽²⁾	Sept 20 ⁽²⁾
Volume of discharged water	-	m ³	5511	10440	8724	6603
COD	3000	mg/l	447	340.5	245	424.67
BOD ₅	1500	mg/l	231.33	182.0	78.25	147.33
Total suspended solids with pH=7	2000	mg/l	178	77.5	68.25	103
pH	5.5 - 9.5	-	7.16	7.1	7.12	6.80
Chlorides (like Cl)	3500	mg/l	223.88	38.3	40.03	47.80
Fat and animal and vegetable oils	500	mg/l	79.67	98.2	46.53	79.43
Surfactants	4	mg/l	2.8	3.3	3.05	2.76
Total phosphorus (like P)	60	mg/l	1.23	1.5	1.32	1.83
Ammoniacal nitrogen (like NH ₄)	30	mg/l	1.27	0.4	0.26	0.41
Nitrous nitrogen (like N)	0.6	mg/l	0.1	0.04	0.17	0.02
Nitrate	30	mg/l	1.46	0.2	0.55	0.20

(table 3)

- (1): threshold values set by the Single Environmental Authorisation issued by the Environmental Department of the Province of Parma, file no. 11952 of 20/02/2015.
- (2): the data in the table represent the average values of the analyses carried out during the reporting periods.

Chapter 8 of “Best Environmental Management Practice for the Food and Beverage Manufacturing Sector” in 2018 (EC-JRC) gives examples of water and energy consumption for specific meat products.

Table 8.6 of the report illustrates the main environmental impacts arising from the production of cured ham as regards:

- ✓ water consumption;
- ✓ wastewater charge;
- ✓ energy consumption;
- ✓ solid waste produced.

ENVIRONMENTAL IMPACTS	TYPE OF PRODUCT	
	COOKED HAM	CURED HAM
Water	4-18 m ³ /t	2-20 m ³ /t
Energy	2000-4000 ¹ kWh/t	2000-4000 ¹ kWh/t
Wastewater	0-25 kg COD/t	20-25 kg COD/t
Solid waste	35-50 kg/t	35-50 kg/t

Source: Adapted from European Commission, 2006.

¹ Thermal: 1300-1400 m³ methane/t.; Electricity: 150-180 kWh/t.

(table 4)

The table below compares the company's indicators over the past few years with the reference values of the "Best Environmental Management Practice for the Food and Beverage Manufacturing Sector" report - table 8.6.

Indicator	Unit	2017	2018	2019	Sept 20	reference values table 8.6	outcome
water intake / meat processed	<i>m³/t</i>	7.075	9.334	8.708	10.251	2 - 20	
energy *** / meat processed	<i>kWh/t</i>	1978.191	1865.418	2159.667	2430.51	2000 - 4000	
COD water discharged / meat processed	<i>kg COD/t</i>	2.041	2.775	1.854	3.480	20 - 25	
solid waste ****/ meat processed	<i>kg/Ton</i>	237.44	237.67	260.79	280.79	35 - 50	

(table 5)

*** the energy / meat processed indicator took into account electricity and methane consumption, details of which are given in Table 6 below:

Indicator	Unit	2017	2018	2019	Sept 20
Electricity	<i>MWh</i>	925.060	908.482	909.823	729.224
Methane consumption	<i>m³</i>	38593	42570	52568	38332
Total energy in TOE	<i>TOE</i>	205.252	205.477	214.087	168.413
TOE / ton meat processed	<i>TOE/t</i>	0.170094	0.160397	0.185698	0.208986
kWh / ton meat processed	<i>kWh/t</i>	1978.191	1865.418	2159.667	2430.51

(table 6)

**** the solid waste / meat processed indicator took into account the waste generated during processing of the meat which the company manages as by-products of animal origin (table 7).

Indicators	Unit	2017	2018	2019	Sept 20
By-products of animal origin / meat processed	<i>kg/t</i>	237.44	237.67	260.79	280.79

(table 7)

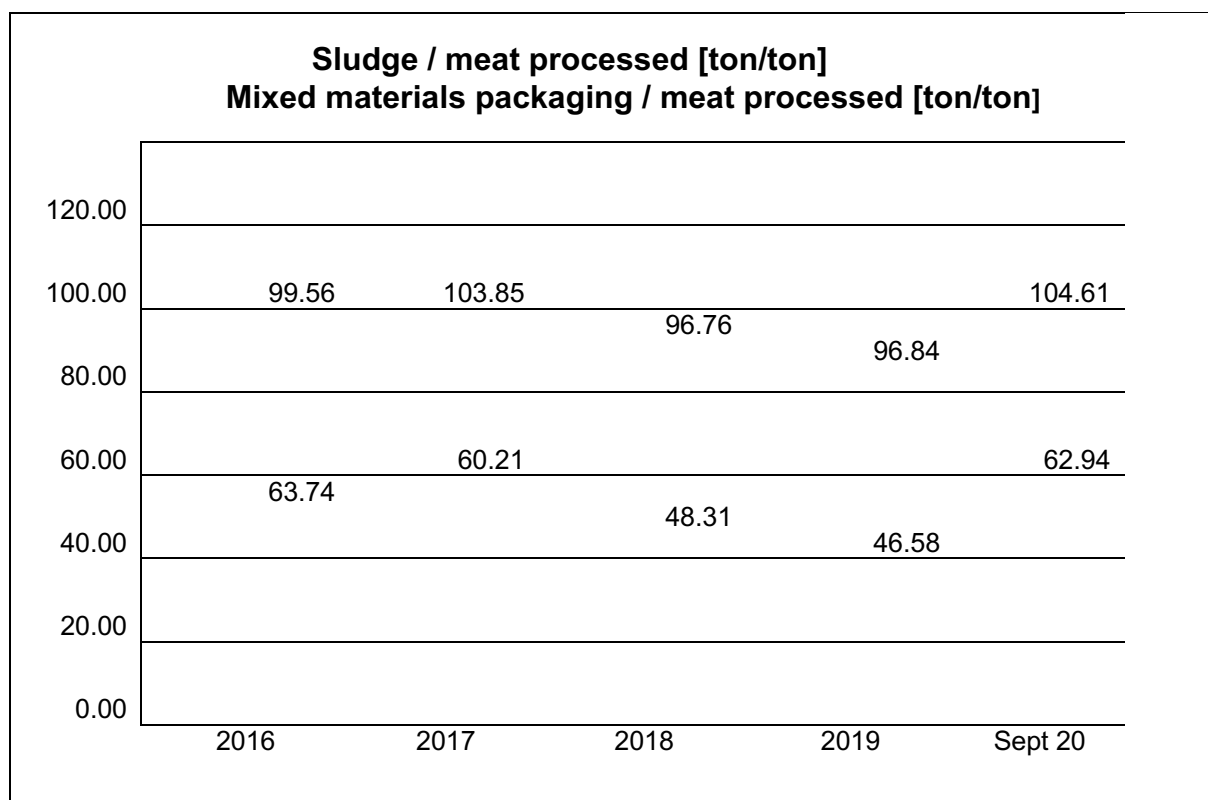
A comparison of the indicators in table 5 with the reference values given in table 8.6 of the "Best Environmental Management Practice for the Food and Beverage Manufacturing Sector" report shows that the company is perfectly within the reference ranges for the water intake and energy used parameters.

As regards the organic pollutant load discharged into the sewers, the value is well below the range, showing that the water treatment plant, where the industrial wastewater is degraded before it is discharged into the public sewer system, works efficiently.

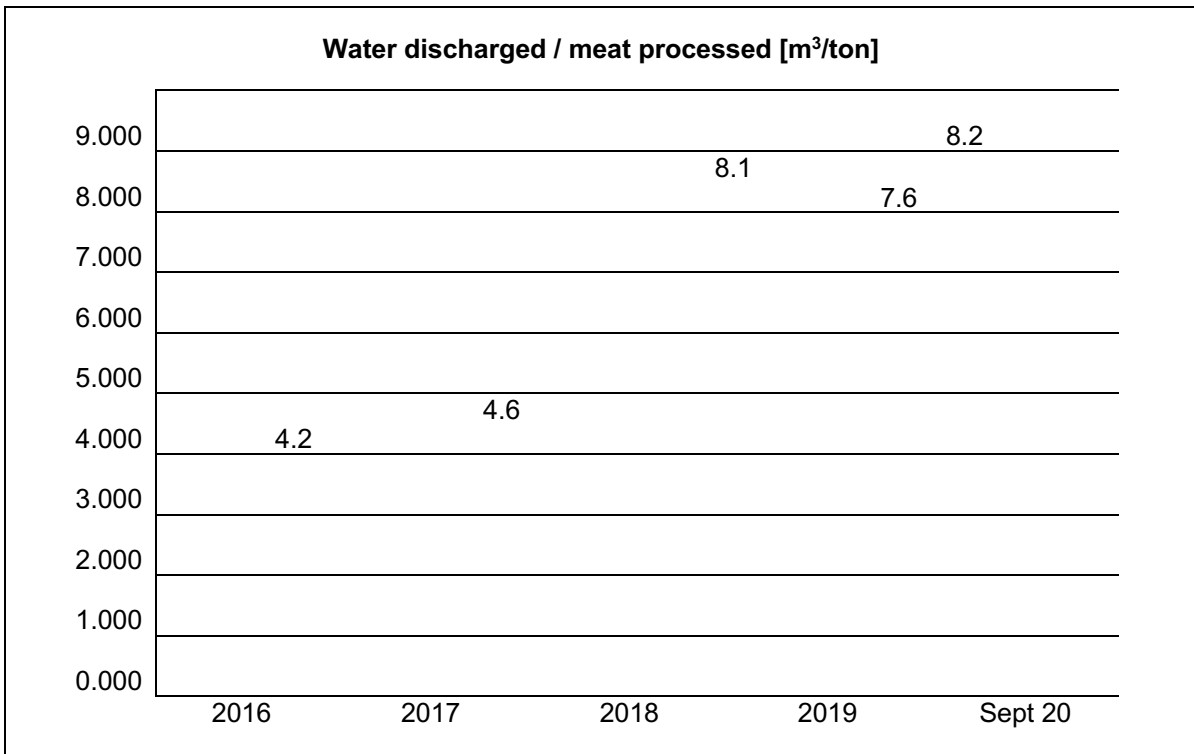
The indicator for waste generated during processing of the meat, on the other hand, is approximately ten times higher than the reference value. This is mainly due to the processes carried out by the company to remove bones, fat and rind. They consist of a series of manual operations (assisted by dedicated machinery) which remove the bony parts of ham and are, namely, cutting the hock, removal of the haunch, gouging and boning. The last process is peeling, where the rind and fat underneath are removed, and then the ham is cleaned internally.

2.1 Indicator trends

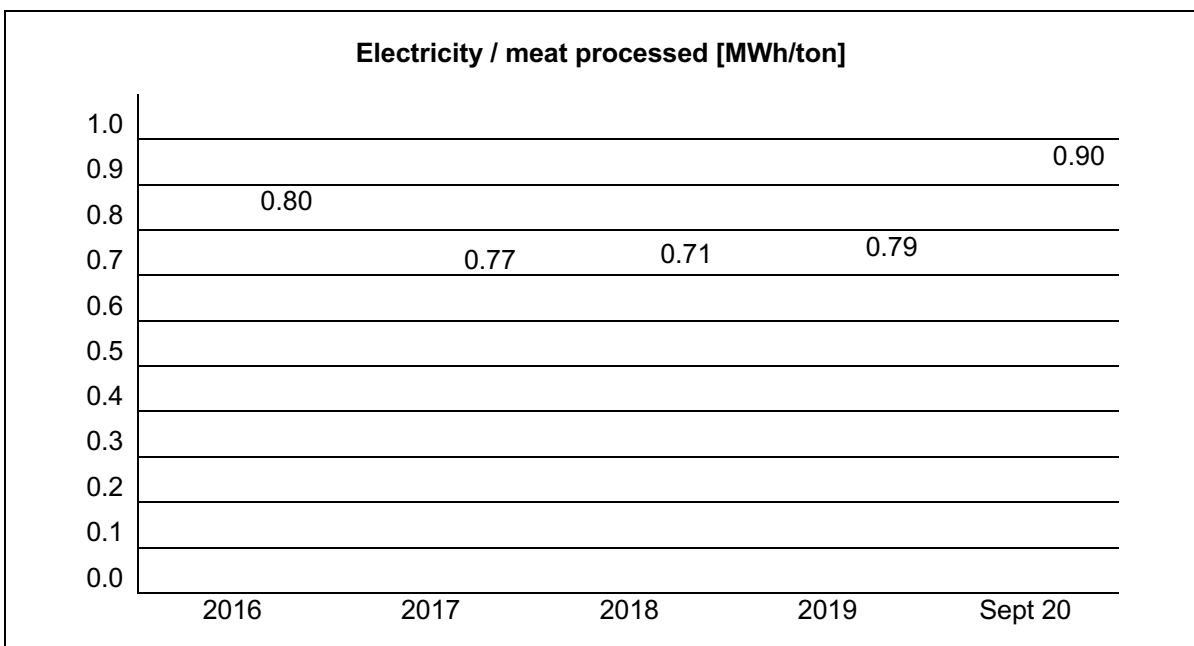
The graphs below show the indicators of particular interest.



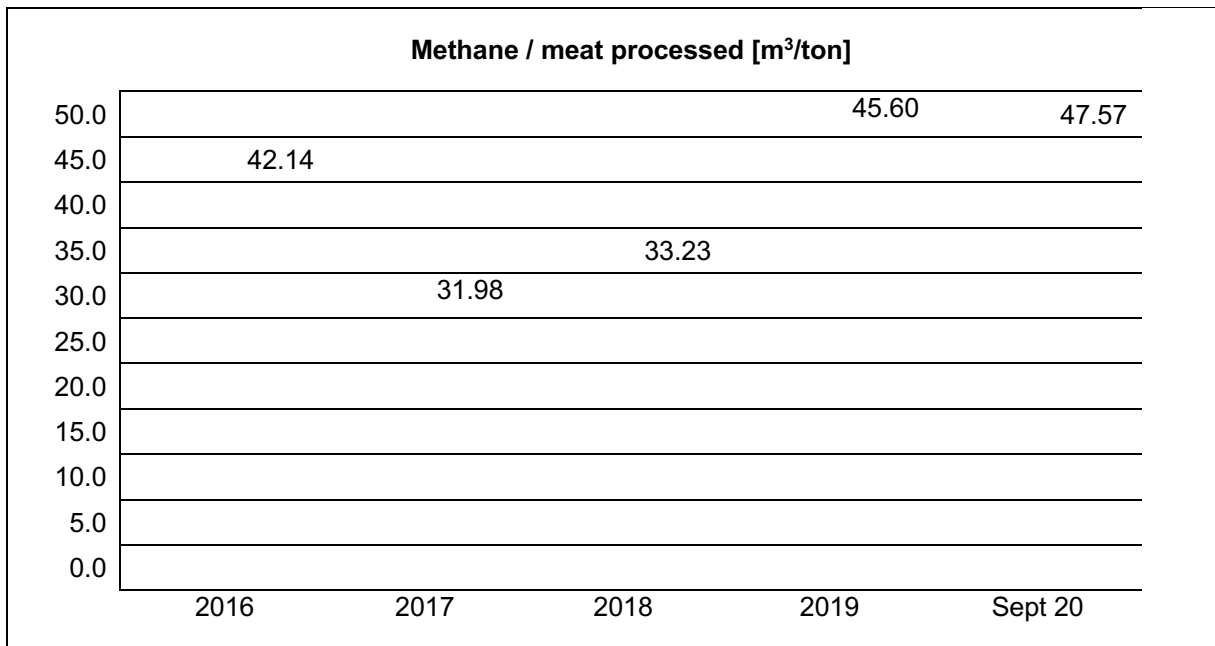
In 2019 the value of the indicator of the mixed materials packaging waste fell slightly, while the sludge indicator was more or less the same as the previous year.



The indicator of the amount of water discharged into the public sewer system / meat processed fell slightly in 2019 then settled at around the 2018 value in 2020. This trend is partly due to the fact that in previous years the value was difficult to interpret, as the meter installed at the point where it connected with the public network was often broken. The meter has been replaced, making it possible to make more accurate assessments of this indicator.



The trend of the electricity consumption / meat processed indicator is relatively constant, with the 2019 value in line with that of 2017.



The methane indicator has risen slightly, due to the cleaning methods used in the production departments; in the past year, more hot water was used for cleaning, leading to a rise in methane consumption.

The trend of the methane consumption / meat processed indicator is also due to the increased stock of ham slabs which had been prepared but not sliced.

The table below gives greenhouse gas emissions due to topping up of refrigerant gas from 2017 to September 2020.

The annual amount of topped-up gas has been taken from the reports produced by the external specialised companies following scheduled and extraordinary maintenance.

Type of greenhouse gas	Quantity (kg)	Top-up (kg)				Ton CO2 eq. (top-ups 2017 - Sept 20)
		2017	2018	2019	Sept 20	
R404a (GWP* 3922)	450	150	96	32	0	1090.3

(table 8)

*GWP: Global Warming Potential is the measure of the ability to absorb infrared radiation emitted by the earth’s surface, trapping it in the atmosphere, the so-called greenhouse effect.

Implementation of Regulation (EU) 2018/2026 requires that information regarding the occupation of the land is given.

Most of the factory, which has a polygonal footprint, is on three floors, two of which are above ground and one below.

Work to extend the premises was completed in September 2015, taking the total covered area to 1,158.85 m², while the uncovered area is approximately 3,467 m².

The built-up area of the site, which impacts on the biodiversity indicator, has remained the same.

3. Environmental policy

The Environmental Policy was revised on 06/09/2018.

4. Environmental aspects

The significance of the environmental aspects of the Organisation's activities was assessed in accordance with the provisions of EMAS Regulation (EC) 1221/2009 and subsequent amendments and additions in the paragraph "Description of the criteria for assessing the significance of the environmental impact".

Chapter 8 of the "Best Environmental Management Practice for the Food and Beverage Manufacturing Sector" report of 2018 (EC-JRC) contains the main environmental aspects in accordance with the stage in production of meat and poultry meat (table 8.4) and the most relevant impacts for these companies, such as:

- ✓ Energy consumption
- ✓ Water consumption, used as an ingredient, for cleaning, for freezing raw materials and cooling cooked products
- ✓ Wastewater which contains a significant organic load, characterised by a high salt content and organic constituents including mainly blood, fat, protein, sugars, spices, additives, detergents and disinfectants. Skin and tissue fragments can also be found
- ✓ Solid waste consisting mainly of by-products generated during meat and poultry meat processing. These wastes include non-conforming products and meat scraps remaining on the processing equipment (e.g. bone, fat, leftover choppings). Other solid wastes such as packaging wastes (e.g. cardboard, plastic, mixed packaging in general) can also be found.

The company has assessed the significance of these aspects in its "Environmental Analysis" which is updated at least once a year.

This assessment was carried out using a specially developed procedure based on the combination of the number of applicable criteria and the corresponding value of the management level.

The Organisation used this criterion to determine the most significant environmental aspects, which are as follows:

- water discharge;
- waste;
- energy consumption.

Please consult the Environment Statement 2018 for a comprehensive explanation of the significance of the individual aspects and the evaluation methodology used.

5. Improvement programme and goals

The environmental improvement programme set out in the Environment Statement 2018 and based on the Organisation's environmental policy, the results of the environmental analysis, the review and audits, has already, in part, been put into practice.

Below is the improvement programme and goals.

Goals	Action	Deadline	Progress	Indicator and (result)	Resources to reach goal	Responsibility
Improve the quality of the wastewater	Further examination of the current purification method to boost treatment efficiency, particularly as regards surfactants	31/12/2013	COMPLETED (01/10/2013) <i>Decided to reduce surfactants for more optimised use of detergents</i>	Completion % (100%)	2 days Euro 2000	EMS Officer
Improve management of refrigerant gases	Draw up procedures/instructions for maintenance of the air conditioning system to prevent leakages	30/06/2014	COMPLETED <i>Procedure drawn up</i>	Completion % (100%)	1 day	EMS Officer
Improve methods of measuring environmental impacts	Determine the causes of the broken meter and request a new meter be installed by IREN (provider)	31/12/2013	COMPLETED (30/07/2013) <i>IREN contacted and meter replaced</i>	Completion % (100%)	0.5 day Euro 500	EMS Officer
Reduce indirect impacts associated with finished products	Reduce plastic waste generated when using sliced products	31/12/2014	COMPLETED <i>New "Meno Plastica" range of products</i>	Completion % (100%)	2 days	Management
Introduce environmental qualification of suppliers of products and services	Define criteria for environmental assessment of suppliers. Collect data. Appraise suppliers according to criteria. Select suppliers according to score	30/06/2014	COMPLETED (17/01/2014) <i>New supplier qualification questionnaire drawn up and implemented</i>	Completion % (100%)	2 days Euro 1000	EMS Officer
Gestione dei fornitori	Inviare ai fornitori una comunicazione per informarli della avvenuta implementazione di un sistema di gestione ambientale e della sua registrazione EMAS, comunicando inoltre i requisiti e le regole ambientali da rispettare nel corso della loro attività presso il sito di		GOAL SUSPENDED	Completion % (0%)	2 days Euro 500	EMS Officer
Optimise documentation	Change system documentation to obtain an integrated environment - safety system	reschedule d 31/12/2015	COMPLETED 30/09/2015	Completion % (100%)	5 days Euro 3000	EMS Officer

Goals	Action	Deadline	Progress	Indicator and (result)	Resources to reach goal	Responsibility
Reduce production of packaging waste	The pressing and printing phase has been altered, eliminating plastic bags (one for every ham) for vacuum packaging, thanks to the introduction of a new type of film. New goal introduced in 2015	30/06/2015	COMPLETED June 2015	Completion % (100%)	Euro 22,500	EMS Officer
Improve the ham washing process	Before the ham is washed, the fat is mechanically removed in dry conditions (disposed of as a by-product of animal origin). The new washing stage always uses hot water and no detergents or chemicals but at a higher temperature, 82°C; the washing wastewater is discharged into the sewer following treatment, as in the past. These changes to the washing process introduce the following improvements: more accurate washing process, hams are more thoroughly cleaned. faster washing process with a higher number of hams washed in the allotted time. The machinery should be able to wash one ham in approximately 15 seconds. The environmental impact is lower as less animal fat is discharged into the sewer as most of the fat is mechanically removed before washing and then disposed of as a food by-product	31/01/2016	See individual Goals below	Completion % (100%)		EMS Officer
	Market research to identify new plant to meet needs	30 June 2015	COMPLETED	Completion % (100%)		
	Submit authorisation for minor amendment	30 October 2015	COMPLETED (23/10/2015)	Completion % (100%)		
	Authorisation issued by Province of Parma	31/12/2015	COMPLETED (11/05/2016)	Completion % (100%)		
	Installation and start-up of new plant	31/12/2015	COMPLETED	Completion % (100%)		

Goals	Action	Deadline	Progress	Indicator and (result)	Resources to reach goal	Responsibility
Reduce use of chemicals	Reduce use of chemicals/detergents	31/12/2016	COMPLETED The amount was not drastically reduced, despite there being more equipment to clean, and the cleaning process was more thorough	Completion % (100%)		EMS Officer
Improve methods of measuring environmental impacts	Determine the causes of the broken meter and request a new meter be installed by IRETI (provider, company belonging to the Iren Group)	31/03/2017	COMPLETED (11/09/2017) Meter replaced by the service provider	Completion % (100%)		EMS Officer
Management of suppliers	Notify all suppliers that an environmental management system has been implemented and registered with EMAS and inform them of the environmental rules and regulations they must abide by when conducting business at the Langhirano facility	31/03/2017	COMPLETED Environmental information published on the website	Completion % (100%)	2 days Euro 500	EMS Officer
Training	Increase training / information about environmental issues	31/12/2017	COMPLETED Training sessions held on environmental issues	Completion % (100%)		EMS Officer
Reduce energy consumption	Reduce energy consumption by replacing two compressors at the Langhirano facility with more efficient models	31/12/2017	See individual goals below	Completion % (100%)	Euro 30000	EMS Officer Management
	Identify supplier and draw up supply agreement	30/09/2017	COMPLETED (08/09/2017) The new compressors will use 30% less electricity than the models currently installed	Completion % (100%)		
	Installation of the new compressors to replace the current ones	31/12/2017	COMPLETED (20/10/2017)	Completion % (100%)		

Goals	Action	Deadline	Progress	Indicator and (result)	Resources to reach goal	Responsibility
Management of suppliers	Notify all suppliers that an environmental management system has been implemented and registered with EMAS and inform them of the environmental rules and regulations they must abide by when conducting business at the Langhirano facility	31/12/2018	COMPLETED (24/10/2018)	Completion % (100%)	2 days Euro 500	EMS Officer
Reduce energy consumption	Put suggestions submitted by company staff into practice to reduce energy consumption	31/12/2019	COMPLETED (09/05/2019) Installed an illuminated switch to turn the lights in the area under the stairs on and off and a light sensor in the boning departments	Completion % (100%)	2 days Euro 1000	EMS Officer
	Ask company staff if they have further suggestions to make	31/12/2021	POSTPONED	Completion % (0%)		
	Determine if other suggestions / actions to reduce energy consumption are feasible	31/12/2021	The lighting system is gradually being replaced with new LED lighting	Completion % (40%)		
Reduce use of detergents and disinfectants	Install new dispensing system for detergents and disinfectants used to clean equipment and departments	31/10/2018	COMPLETED (31/10/2018)	Completion % (100%)	Euro 500	EMS Officer Management
	Assess whether the new dispensing system reduces the amount of detergent and disinfectant used	31/12/2018	COMPLETED (31/12/2018) The new dispensing system is not	Completion % (100%)		
	Valutare l'acquisto del nuovo dosatore in funzione degli esiti della prova effettuata		OBIETTIVO CONGELATO	% di completamento (0%)		
	Valutare l'efficacia del nuovo dosatore nel ridurre i consumi di detersivi e disinfettanti		OBIETTIVO CONGELATO	% di completamento (0%)		
	Decide whether it is necessary to take further measures to reduce the use of detergents and disinfectants	30/06/2019	COMPLETED (30/06/2019)	Completion % (100%)		

Goals	Action	Deadline	Progress	Indicator and (result)	Resources to reach goal	Responsibility
	Install a new nozzle on the suction injector for the detergents and disinfectants used to clean the equipment and departments	30/09/2019	COMPLETED (30/09/2019)	Completion % (100%)		
	Assess whether the new nozzle installed on the suction injector of the detergents and disinfectants reduces the amount of detergent and disinfectant used	30/09/2020	COMPLETED Consumption of detergents in 2019 and 2020 (up to September) lower than in 2018	Completion % (100%)		
	Decide whether it is necessary to take further measures to reduce the use of detergents and disinfectants	30/06/2023	POSTPONED Action postponed due to COVID and subsequent increase in disinfectants used to clean surfaces	Completion % (0%)		
Improve wastewater quality	Further examination of the current purification method to identify ways of increasing the efficiency of the wastewater treatment	31/12/2020	POSTPONED	Completion % (0%)	2 days Euro 1000	EMS Officer Management
	Decide whether to put improvements into practice	31/12/2021	POSTPONED	Completion % (0%)		
Reduce CO ₂ emissions when transporting own products	Improve transport efficiency, maximising vehicle loads and avoiding / limiting unnecessary journeys between Langhirano and Tavernerio.	31/12/2021	For the two biggest clients, transportation of the company's products was rationalised and improved, avoiding journeys between Langhirano and Tavernerio whenever possible and preferring transportation directly to the client	Completion % (50%)		EMS Officer Management
Reduce CO ₂ emissions in journeys to premises	Assess the possibility of reviewing business practices with suppliers (consultants, clients), giving priority to remote working when possible (e.g. working from home)	31/12/2021		Completion % (0%)		EMS Officer Management
Reduce environmental impact of own packaging	Assess the possibility of using more sustainable packaging for own products	31/12/2021		Completion % (0%)		EMS Officer Management

Goals	Action	Deadline	Progress	Indicator and (result)	Resources to reach goal	Responsibility
Reduce atmospheric emissions	R404A has a GWP of 3922, which is one of the highest for refrigerant gases. Assess, with the assistance of the external maintenance team, the possibility of using refrigerant gases with less impact when released into the atmosphere and with a lower GWP	31/12/2023		Completion % (0%)		EMS Officer Management

(table 9)

6. Reference laws and standards

The authorisations listed in the 2018 and 2019 Environmental Statement are still valid.

The Organisation is constantly updated on new regulations and legislation, which it implements when relevant, to ensure ongoing compliance with environmental regulatory obligations and legal compliance.