

No.	Process	Environmental aspects	Event	Result	Rating *				Risk level	Activities / Related documents	Evaluation of effectiveness	Responsible person	
			Description		S	O	D	R=SxOxD	Classification	risk reduction / opportunity taking	Y - effective N - ineffective		
MAIN PROCESS													
1		• dust and gas emissions	Standard installation operation	Dust and gas emissions to air	9	8	2	144	High	QP 05 Ferroalloy production control QP 05/ZKA 03 Burdening in furnace room 1 QP 05/ZKA 04 Burdening in furnace room 2 QP 05/ZKA 05 Burdening in furnace room 3 QP 05/ZKA 07 Burdening in furnace room 4 QP 05/ZKA 11 Shutting down and starting up a furnace after inactivity Staff training	Y		
2			Production equipment failure	Excessive emissions to air, fugitive emissions	4	7	4	112	High	Schedule for inspection, servicing and maintenance of equipment	Y		
3			Incorrect operation of production equipment, incorrect process management	Increased emissions to air	3	7	6	126	Moderate	QP 05 Ferroalloy production control QP 05/ZKA 03 Burdening in furnace room 1 QP 05/ZKA 04 Burdening in furnace room 2 QP 05/ZKA 05 Burdening in furnace room 3 QP 05/ZKA 07 Burdening in furnace room 4 QP 05/ZKA 11 Shutting down and starting up a furnace after inactivity Staff training	Y		
4			Irregularities in the monitoring of emissions to air	Inaccurate emission data, no confirmation of compliance with emission limits, no basis for the settlement of environmental charges, no possibility to react to emission increases	2	4	6	48	Low	EKO 06 Monitoring and reducing atmospheric emissions QP 98 Monitoring of control and measuring equipment QP 98/ZKA/J 01 Monitoring of X-ray spectrometer and apparatus for the determination of coal and sulphur QP 98/ZKA/J 02 Monitoring of analytical balances QP 98/ZKA/J 23 Monitoring of sieves used for granulometric analysis QP 91/ETS 01 Collection of data for determination of CO2 emissions	Y		
5			Furnace body burnout	Fugitive emissions to air	4	8	1	32	Low	EKO 05 Preparedness for environmental emergencies EKO 05/TP 01 Management of uncontrolled leakage of metal through the furnace body Schedule for inspection, servicing and maintenance of equipment	Y		
6		Standard installation operation	Emissions to water			9	3	2	54	Moderate	QP 05 Ferroalloy production control QP 05/ZKA 03 Burdening in furnace room 1 QP 05/ZKA 04 Burdening in furnace room 2 QP 05/ZKA 05 Burdening in furnace room 3 QP 05/ZKA 07 Burdening in furnace room 4 QP 05/ZKA 11 Shutting down and starting up a furnace after inactivity Staff training Schedule for inspection, servicing and maintenance of equipment EKO 31 Water and wastewater management EKO 31/TT 01 Operation and maintenance of wastewater treatment facility equipment EKO 31/TT 07 Operation and maintenance of water treatment facility equipment		Y
7											Production equipment failure		Excessive emissions to water

8	Ferroalloy production		Production equipment failure	Need to increase water consumption	2	5	5	50	Moderate	Schedule for inspection, servicing and maintenance of equipment	Y	Director of Production, Head of Production
9			Standard installation operation	Waste production	9	4	2	72	Moderate	EKO 14 Waste management EKO 14/TP 01 Management of by-products and waste from ferroalloy production	Y	
10			Production equipment failure	Excessive waste emissions	2	5	5	50	Moderate	Schedule for inspection, servicing and maintenance of equipment Procedure EKO 14 Waste management	Y	
11		• waste generation	Incorrect operation of production equipment, incorrect process management, incorrect burdening	Production of excessive amounts of post-production waste, e.g. slag	2	8	4	64	Moderate	Procedure EKO 14 Waste management QP 05 Ferroalloy production control EKO 14/TP 01 Management of by-products and waste from ferroalloy production Staff training	Y	
12			Electrode breakage	Generation of carbon waste out of the electrode	6	6	2	72	Moderate	QP 05/PP 10 Management of Söderberg electrode fracture	Y	
13			Irregularities in the recording of waste generation and management	Incorrect data on waste produced, no confirmation of compliance with limits	3	3	6	54	Moderate	Procedure EKO 14 Waste management	Y	
14		• noise emission	Standard installation operation	Waste production	9	6	2	108	High	QP 05 Ferroalloy production control Staff training Schedule for inspection, servicing and maintenance of equipment	Y	
15			Production equipment failure	Increased noise emissions	2	5	2	20	Low	Schedule for inspection, servicing and maintenance of equipment	Y	
16			Standard installation operation	Emissions to soil	9	3	2	54	Moderate	QP 05 Ferroalloy production control QP 05/ZKA 03 Burdening in furnace room 1 QP 05/ZKA 04 Burdening in furnace room 2 QP 05/ZKA 05 Burdening in furnace room 3 QP 05/ZKA 07 Burdening in furnace room 4 QP 41 Securing raw materials for production Staff training	Y	
17		• emissions to soil	Furnace failure - furnace wall burnout	Leakage of liquid metal	2	8	2	32	Low	EKO 05/TP 01.02 Schedule for inspection, servicing and maintenance of equipment Renovation plan Location and construction of buildings	Y	
18			Production equipment failure (e.g. failure of crane equipment)	Emissions to soil	2	8	2	32	Low	Schedule for inspection, servicing and maintenance of equipment	Y	
19			Standard installation operation	Consumption of natural raw materials (e.g. quartzite, coal)	9	6	2	108	High	QP 05 Ferroalloy production control QP 05/ZKA 03 Burdening in furnace room 1 QP 05/ZKA 04 Burdening in furnace room 2 QP 05/ZKA 05 Burdening in furnace room 3 QP 05/ZKA 07 Burdening in furnace room 4 QP 41 Securing raw materials for production Staff training	Y	
20		• natural raw material consumption	Erroneous burdening	Excessive consumption of raw materials and energy	9	6	2	108	High	QP 05 Ferroalloy production control QP 05/ZKA 03 Burdening in furnace room 1 QP 05/ZKA 04 Burdening in furnace room 2 QP 05/ZKA 05 Burdening in furnace room 3 QP 05/ZKA 07 Burdening in furnace room 4 QP 41 Securing raw materials for production Staff training	Y	

21			Incorrect operation of production equipment, incorrect process management	Excessive consumption of raw materials and energy	2	8	4	64	Moderate	QP 05 Ferroalloy production control QP 05/ZKA 03 Burdening in furnace room 1 QP 05/ZKA 04 Burdening in furnace room 2 QP 05/ZKA 05 Burdening in furnace room 3 QP 05/ZKA 07 Burdening in furnace room 4 QP 41 Securing raw materials for production Staff training	Y	
22		• utility consumption	Standard installation operation	Consumption of electricity (indirect emissions), water, gas, heat	9	8	2	144	High	QP 05 Ferroalloy production control QP 05/ZKA 03 Burdening in furnace room 1 QP 05/ZKA 04 Burdening in furnace room 2 QP 05/ZKA 05 Burdening in furnace room 3 QP 05/ZKA 07 Burdening in furnace room 4 QP 41 Securing raw materials for production Staff training	Y	
23			Starting up a furnace after inactivity	Reduced efficiency of the process during a start-up of a furnace unit. Production technology is a constant process, each stop is a significant efficiency factor in a long run.	6	5	2	60	Moderate	QP 05 PP 11.06 Shutting down and starting up a furnace after inactivity EKO 04.01 Emergency shutdown QP 05 Ferroalloy production control Staff training Renovations plan Schedule for inspection, servicing and maintenance of equipment	Y	
24				Incorrect operation by the furnace operator	Excessive consumption of energy, water in cooling circuits, gas	4	6	4	96	Moderate	QP 05 Ferroalloy production control Staff training	Y

AUXILIARY PROCESSES

25	Customer need identification	• waste generation	Failure to take environmental aspects into account in day-to-day administrative activities	Lack of waste segregation, increased amount of municipal waste, lack of optimisation of energy consumption	3	3	3	27	Low	Procedure EKO 14 Information for staff regarding waste segregation	Y	Head of Sales Department, Head of Order Processing Department
26				Excessive waste generation from product	Improper managing the waste. Waste management or storage of the waste fit for recovery or extract full-quality product of it.	3	3	3	27	Low	Product Safety Data Sheet - includes information on managing waste of the sold product - given to customers	
27			• utility consumption	Failure to take environmental aspects into account in day-to-day administrative activities	Excessive utility consumption	3	3	3	27	Low	Environmental policy of 25 March 2019	
28		• dust and gas emissions	Improper storage, not in compliance with the material safety data sheet	Excessive emissions to air	2	6	5	60	Moderate	QP 80/BZ/01/Instructions for supplier evaluation QP Production security process Map of landfills of 22 February 2019 Integrated permit of 28 September 2007, No. ŚR-III-6618/PZ/149/19/07 Integrated permit of 9 December 2009, No. 4080/OS/2009	Y	
29		• dust and gas emissions	Standard process implementation	Fugitive emissions to air during loading, unloading, transport of raw materials and reorganisation of landfills	9	3	2	54	Moderate	QP Production security process QP 80/BZ/01/Instructions for supplier evaluation Map of landfills Integrated permit of 28 September 2007, No. ŚR-III-6618/PZ/149/19/07 Integrated permit of 9 December 2009, No. 4080/OS/2009	Y	
30		• emissions to water	Improper storage, such as in not designated and unsuitable storage areas	Deterioration of parameters of wastewater discharged to the environment	2	6	5	60	Moderate	QP Production security process QP 80/BZ/01/Instructions for supplier evaluation Map of landfills Integrated permit of 28 September 2007, No. ŚR-III-6618/PZ/149/19/07 Integrated permit of 9 December 2009, No. 4080/OS/2009 Monitoring - piezometers	Y	

31	Securing raw materials for production	• waste generation	Improper storage, e.g. resulting in the loss of the performance of stored objects	Increased amount of waste	2	5	4	40	Low	QP Production security process QP 80/BZ/01/Instructions for supplier evaluation Map of landfills Integrated permit of 28 September 2007, No. ŚR-III-6618/PZ/149/19/07 Integrated permit of 9 December 2009, No. 4080/OS/2009	Y	Director of Purchasing Department Head of Logistics Department
32		• noise emission	Standard process implementation	Noise emissions from transport of raw materials and organisation of landfills	9	3	1	27	Low	QP Production security process Map of landfills Integrated permit of 28 September 2007, No. ŚR-III-6618/PZ/149/19/07 Integrated permit of 9 December 2009, No. 4080/OS/2009	Y	
33		• noise emission	Inadequate storage system, decomposition of landfill sites necessitating additional transport	Increased noise emissions to the environment	3	5	2	30	Low	QP Production security process QP 80/BZ/01/Instructions for supplier evaluation Map of landfills Integrated permit of 28 September 2007, No. ŚR-III-6618/PZ/149/19/07 Integrated permit of 9 December 2009, No. 4080/OS/2009	Y	
34		• emissions to soil	Improper storage, such as in not designated and unsuitable storage areas	Emissions of hazardous substances to soil Soil contamination	2	7	4	56	Moderate	QP Production security process QP 80/BZ/01/Instructions for supplier evaluation Map of landfills Integrated permit of 28 September 2007, No. ŚR-III-6618/PZ/149/19/07 Integrated permit of 9 December 2009, No. 4080/OS/2009	Y	
35		• natural raw material consumption	Improper storage	Losses and shortages, increased consumption of raw materials	2	6	4	48	Low	QP Production security process QP 80/BZ/01/Instructions for supplier evaluation Map of landfills Integrated permit of 28 September 2007, No. ŚR-III-6618/PZ/149/19/07 Integrated permit of 9 December 2009, No. 4080/OS/2009	Y	
36	Securing energy utilities	• waste generation	Water treatment facility equipment failure	Excessive amounts of waste produced	4	5	2	40	Low	Schedule for inspection, servicing and maintenance of equipment Procedure EKO 14 Waste management EKO 31 Water and wastewater management EKO 31/TT 01 Operation and maintenance of wastewater treatment facility equipment EKO 31/TT 07 Operation and maintenance of water treatment facility equipment	Y	Head of Energy Department
37		* emissions to water	Water treatment facility equipment failure	Increased wastewater emissions to water Deterioration of parameters of wastewater discharged to the environment	3	5	4	60	Moderate	Schedule for inspection, servicing and maintenance of equipment EKO 31 Water and wastewater management EKO 31/TT 01 Operation and maintenance of wastewater treatment facility equipment EKO 31/TT 07 Operation and maintenance of water treatment facility equipment	Y	
38		* utilities consumption	Lack or rainfall or irregular rainfall	Irregularities in production, impact on profitability	5	7	2	70	Moderate	Constant monitoring of back water parameters, supplementing back water with pipeline water	Y	
39		* utilities consumption	Lack or rainfall or irregular rainfall	Irregularities in production, impact on profitability	5	7	2	70	Moderate	Ongoing cooperation with RPWiK Tychy concerning possible supplies of the required amounts of pipeline water.	Y	
40		• natural raw material consumption	Failure of water and gas supply equipment	Increased water and gas consumption	4	5	2	40	Low	Schedule for inspection, servicing and maintenance of equipment QP 63 Securing energy utilities QP 98/T/U 10 Monitoring of ammeters, voltmeters and wattmeters QP 98/E/EL 13 Monitoring of energy meters QP 98/ZSE 17 Monitoring of control and measurement instruments used in the water treatment facilities	Y	
41	Securing production with auxiliary materials and equipment	• waste generation	Lack of consideration of environmental aspects	Excessive amounts of waste produced	3	3	3	27	Low	Procedure EKO 14 Waste management Management Board recommendation of 28 March 2019 Procedure for selection of contractors and service providers of 1 March 2017 QP 80/BZ/01/Instructions for supplier evaluation	Y	Director of Purchasing Department, Head of Production Security, Head of Logistics Department
42		• emission to soil	Oil tank leakage during filling and operation	Oil emissions to soil	4	4	4	64	Moderate	A tank in a paved area. Sorbents were located around the tank in case of a spill. QP 80/BZ/01/Instructions for supplier evaluation	Y	
43		• waste generation	Failure to integrate environmental aspects into the purchasing process - supplier purchases ignore	Purchase from a supplier who does not comply with the principles of proper waste management	3	3	7	63	Moderate	Procedure for selection of contractors and service providers of 1 March 2017 QP 80/BZ/01/Instructions for supplier evaluation	Y	
44		• emission to soil	Failure to integrate environmental aspects into the purchasing process	Purchase from a supplier who does not comply with the principles of proper soil conservation and substance management	3	3	7	63	Moderate	Procedure for selection of contractors and service providers of 1 March 2017 QP 80/BZ/01/Instructions for supplier evaluation	Y	

45		• gas and dust emissions	Failure to integrate environmental aspects into the purchasing process	Purchase from a supplier who does not comply with the principles of proper emission management	3	3	7	63	Moderate	Procedure for selection of contractors and service providers of 1 March 2017 QP 80/BZ/01/Instructions for supplier evaluation	Y	
46		• utility/raw material consumption	Failure to integrate environmental aspects into the purchasing process	Purchase from a supplier who does not comply with the principles of proper raw material management	3	3	7	63	Moderate	Procedure for selection of contractors and service providers of 1 March 2017 QP 80/BZ/01/Instructions for supplier evaluation	Y	
47		• utility/raw material consumption	Oil tank leakage	Increased fuel consumption	4	4	4	64	Moderate	The selected design of the tank provides double security	Y	
48	Securing appropriate staff	• dust and gas emissions	Failure to take environmental aspects into account in day-to-day administrative activities	Lack of waste segregation, increased amount of municipal waste, lack of optimisation of energy consumption	3	3	3	27	Low	QS 11/NS 01 Management of job specifications	Y	Director of Human Resources and Payroll Department
49			Failure to provide appropriate staff	Risk of increased dust and gas emissions, e.g. due to failure or improper operation	4	5	4	80	Moderate	QS 11/NS 01 Management of job specifications	Y	
50		Failure to provide appropriate staff	Risk of excessive amounts of waste produced	4	4	4	64	Moderate	Procedure EKO 14 Waste management QS 11/NS 01 Management of job specifications	Y		
51		• noise emission	Failure to provide appropriate staff	Risk of increased noise emissions	4	4	2	32	Low	QS 11/NS 01 Management of job specifications	Y	
52		• emissions to soil	Failure to provide appropriate staff	Risks of emissions to soil, e.g. due to failure	4	4	4	64	Moderate	QS 11/NS 01 Management of job specifications	Y	
53		Failure to take environmental aspects into account in day-to-day administrative activities	Excessive utility consumption	3	3	3	27	Low	Environmental policy of 25 March 2019	Y		
54		Failure to provide appropriate staff	Excessive consumption of raw materials and energy	4	4	4	64	Moderate	QS 11/NS 01 Management of job specifications	Y		
55	Securing production continuity	• waste generation	Incorrect actions concerning filling and extending electrodes	Electrode fractures causing waste generation	2	5	6	60	Moderate	Procedure EKO 14 Waste management QP 05/ZKA 09 Söderberg electrode extension on furnaces QP 05/ZKA 10 Management of Söderberg electrode fracture QP 17 Electrode casing extension QP 18 Filling the electrodes Staff training	Y	Head of Production Security, Foreman of Production Security
56		• dust and gas emissions	Incorrect actions concerning filling and extending electrodes	Electrode fractures causing furnace malfunctions and the necessity to stop and start the furnace	2	6	6	72	Moderate	QP 05/ZKA 09 Söderberg electrode extension on furnaces QP 05/ZKA 10 Management of Söderberg electrode fracture QP 17 Electrode casing extension QP 18 Filling the electrodes Staff training	Y	
57			Standard procedure	Emmissions to air from welding and cutting	3	2	2	12	Low	TUR 5.06 OHS instruction for inert gas shield welding TUR 2.06 OHS Instruction for manual gas cutting Staff training Ongoing introduction of new tools for use, keeping tools in the highest efficiency	Y	
58		• natural raw material consumption	Incorrect actions concerning filling and extending electrodes	Electrode fractures causing furnace malfunctions and the necessity to stop and start the furnace - additional wear and tear	2	5	6	60	Moderate	QP 05/ZKA 09 Söderberg electrode extension on furnaces QP 05/ZKA 10 Management of Söderberg electrode fracture QP 17 Electrode casing extension QP 18 Filling the electrodes Staff training	Y	
59		• dust and gas emissions	Incorrect actions concerning ladle repair	Failure, ladle burnout	2	5	6	60	Moderate	QP 05/ZKA 12 Preparation, operation and overhaul of foundry ladles Staff training	Y	

60		• utility consumption	Incorrect actions concerning filling and extending electrodes	Electrode fractures causing furnace malfunctions and the necessity to stop and start the furnace - additional wear and tear	3	8	1	24	Low	QP 05/ZKA 09 Söderberg electrode extension on furnaces QP 05/ZKA 10 Management of Söderberg electrode fracture QP 17 Electrode casing extension QP 18 Filling the electrodes Staff training	Y	
61	Reaction gas and dust extraction	• dust and gas emissions	Failure of dust extraction equipment	Increased dust emissions, fugitive emissions	4	8	4	128	High	Schedule for inspection, servicing and maintenance of equipment QP 70 Monitoring of operation and maintenance of fabric filters as well as extraction and transport equipment installed in the duct collector QP 70 Monitoring of operation and maintenance of fabric filters as well as extraction and transport equipment installed in the duct collector QP 71 Control of extraction and dedusting of gases from ferroalloy production QP 72 Silica fume management QP 73 Factory Production Control of SILIMIC for the building material market	Y	Head of Production Security, Foreman of Production Security
62			Damage to filter bags	Reduced effectiveness of dust capturing	5	5	2	50	Low	PZO 106.01 Operating instructions for switching Bag-House filter section, with amendments	Y	
63		• noise emission	Standard operation of the extraction system	Noise emission to the environment from extraction equipment (fans)	9	3	2	54	Moderate	Schedule for inspection, servicing and maintenance of equipment QP 71 Control of extraction and dedusting of gases from ferroalloy production QP 72 Silica fume management	Y	
64			Failure of dust extraction equipment - fans	Increased noise emissions to the environment	4	8	3	96	Moderate	Schedule for inspection, servicing and maintenance of equipment QP 70 Monitoring of operation and maintenance of fabric filters as well as extraction and transport equipment installed in the duct collector QP 70 Monitoring of operation and maintenance of fabric filters as well as extraction and transport equipment installed in the duct collector QP 71 Control of extraction and dedusting of gases from ferroalloy production QP 72 Silica fume management QP 73 Factory Production Control of SILIMIC for the building material market	Y	
65			Improper operation of dust extraction equipment	Increased noise emissions to the environment	4	6	2	48	Low	QP 70 Monitoring of operation and maintenance of fabric filters as well as extraction and transport equipment installed in the duct collector QP 70 Monitoring of operation and maintenance of fabric filters as well as extraction and transport equipment installed in the duct collector QP 71 Control of extraction and dedusting of gases from ferroalloy production QP 72 Silica fume management QP 73 Factory Production Control of SILIMIC for the building material market Staff training	Y	
66		• dust and gas emissions	Visual and measurement errors in raw material analyses Acceptance of non-compliant raw materials	Increased emissions to air	4	5	4	80	Moderate	QP 91 Raw material testing QP 91/ZKA/J 01 Performing laboratory tests on electrode mass QP 97 Identification and in-process and final quality control of products QP 97/ ZKA/J 02 Sample preparation for chemical analysis QP 98 Monitoring of control and measuring equipment QP 98/ZKA/J 01 Monitoring of X-ray spectrometer and apparatus for the determination of coal and sulphur QP 98/ZKA/J 02 Monitoring of analytical balances Purchase of new low-emission screening equipment Use of sample crusher dust collection filters with fume hoods	Y	

67	In-process and final quality control of products	• utility and chemical reagent consumption	Measurement errors in chemical analysis of raw materials and products Uncontrolled spillage of chemicals used for analysis Increased water consumption Acceptance of non-compliant raw materials	Improper production process, increased utility and chemical reagent consumption Risk of chemical hazard Risk of injury - chemical burns	4	5	3	60	Moderate	QP 91 Raw material testing QP 91/ZKA/J 01 Performing laboratory tests on electrode mass QP 97 Identification and in-process and final quality control of products QP 97/ ZKA/J 02 Sample preparation for chemical analysis QP 98 Monitoring of control and measuring equipment QP 98/ZKA/J 01 Monitoring of X-ray spectrometer and apparatus for the determination of coal and sulphur QP 98/ZKA/J 02 Monitoring of analytical balances Monitoring the updating of material safety data sheets and their presence at the workstation Monitoring of the selection of appropriate equipment (fume hoods, measuring cylinders, probes, etc.) and accessories to handle chemicals Control and proper storage of hazardous chemicals	Y	Head of Quality Control Department
68		• natural raw material consumption	Measurement errors in raw material analyses Acceptance of non-compliant raw materials Increased water consumption Increased electricity consumption	Increased consumption of raw materials by using non-compliant raw materials Additional control required and consequently greater electricity consumption, among other things	4	5	3	60	Moderate	QP 91 Raw material testing QP 91/ZKA/J 01 Performing laboratory tests on electrode mass QP 97 Identification and in-process and final quality control of products QP 97/ ZKA/J 02 Sample preparation for chemical analysis QP 98 Monitoring of control and measuring equipment QP 98/ZKA/J 01 Monitoring of X-ray spectrometer and apparatus for the determination of coal and sulphur QP 98/ZKA/J 02 Monitoring of analytical balances Validation of chemical analyses Attempts to reduce the consumption of raw materials by standardising and changing the sampling of raw materials and products	Y	
69	Meeting customer needs	• waste generation	Failure to take environmental aspects into account in day-to-day administrative activities	Lack of waste segregation, increased amount of municipal waste, lack of optimisation of energy consumption	3	3	3	27	Low	Procedure EKO 14 Waste management Information for staff regarding waste segregation Environmental policy of 25 March 2019	Y	Head of Sales Department, Head of Order Processing Department
70		* dust and gas emissions	Failure to take environmental aspects into account in the product supply system Failure to optimise supply logistics	Increased gas and dust emissions from transport	3	3	4	36	Low	Environmental policy of 25 March 2018	Y	
71		• utility consumption	Failure to take environmental aspects into account in day-to-day administrative activities	Excessive utility consumption	3	3	3	27	Low	Environmental policy of 25 March 2019	Y	
OUTSOURCED PROCESSES												
72	Internal transport	• dust and gas emissions	Use of damaged or inoperative transport equipment	Increased emissions to air	4	6	3	72	Moderate	Procedure for selection of contractors and service providers of 1 March 2017 Service agreement of 24 July 2018	Y	Director of Purchasing Department, Head of Logistics Department
73			Standard process operation	Gas emissions from vehicles	9	3	2	54	Moderate	Environmental policy	Y	
74			Improper in-house logistics	Increased emissions to air	4	6	2	48	Low	Organisation of work with maximum efficiency and use of internal transport	Y	
75			Improper operation of transport equipment, lack of staff competence	Increased emissions to air	3	6	3	54	Moderate	Procedure for selection of contractors and service providers of 1 March 2017 Service agreement Staff training	Y	
76			Use of damaged or inoperative transport equipment	Increased noise emissions to the environment	4	6	2	48	Low	Procedure for selection of contractors and service providers of 1 March 2017 Service agreement	Y	

77		• noise emission	Standard process operation	Gas emissions from vehicles	9	3	2	54	Moderate	Environmental policy of 25 March 2019	Y	
78			Improper in-house logistics	Increased emissions to air	3	6	2	36	Low	Organisation of work with maximum efficiency and use of internal transport	Y	
79			Improper operation of transport equipment, lack of staff competence	Increased noise emissions to the environment	3	6	2	36	Low	Procedure for selection of contractors and service providers of 1 March 2017 Service agreement Staff training	Y	
80		• emissions to soil	Failure of transport equipment, leaks in hydraulic systems, engine leaks	Soil contamination	4	6	2	48	Low	Procedure for selection of contractors and service providers of 1 March 2017 Service agreement	Y	
81	Renovation and maintenance	• dust and gas emissions	Failure to consider environmental aspects in contractor selection and method	Increased emissions to air	3	7	3	63	Moderate	QP 80 Tendering and contracting QP 81 Implementation of investment tasks QP 82 Purchasing Procedure for selection of contractors and service providers of 1 March 2017	Y	Director of Purchasing Department Chief Renovation Specialist
82			• waste generation	Standard process implementation	Generation of post-renovation waste	7	3	2	42	Low	Procedure EKO 14 Waste management QP 80 Tendering and contracting QP 81 Implementation of investment tasks QP 82 Purchasing Procedure for selection of contractors and service providers of 1 March 2017	
83		Failure to consider environmental aspects in contractor selection and method		Increased amount of waste generated	3	7	3	63	Moderate	Procedure EKO 14 Waste management QP 80 Tendering and contracting QP 81 Implementation of investment tasks QP 82 Purchasing Procedure for selection of contractors and service providers of 1 March 2017	Y	
84		• noise emission	Failure to consider environmental aspects in contractor selection and method	Unnecessary noise emissions	3	7	2	42	Low	QP 80 Tendering and contracting QP 81 Implementation of investment tasks QP 82 Purchasing Procedure for selection of contractors and service providers of 1 March 2017	Y	
MANAGEMENT PROCESSES												
85	Management processes	• waste generation	Failure to take environmental aspects into account in day-to-day administrative activities	Lack of waste segregation, increased amount of municipal waste, lack of optimisation of energy consumption	3	3	3	27	Low	Procedure EKO 14 Waste management Information for staff regarding waste segregation Environmental policy of 26 March 2019	Y	Management Board, Management Board Representative
86			Failure to offer relevant incentives for employees in terms of the process operation with consideration of environmental aspects	The process carried out in a manner not optimal in terms of energy efficiency, raw materials consumption and waste generation	4	4	4	64	Moderate	Benefit system involving environmental aspects of the production process	Y	Management Board, Management Board Representative
87			Failure to include environmental aspects	Strategic objectives not including environmental aspects, development plan not covering environmental aspects, increasing negative impact on the environment	1	9	3	27	Low	Going Green Strategy	Y	Management Board, Management Board Representative
88		• utility consumption	Failure to take environmental aspects into account in day-to-day administrative activities	Excessive utility consumption	3	3	3	27	Low	Environmental policy of 25 March 2019	Y	Management Board, Management Board Representative
89		• compliance with requirements	Lack of supervision of environmental activities	Absence of required permits, authorisations, licences	2	9	6	108	High	Conformity assessment of 26 March 2019	Y	Management Board, Management Board Representative
90		• compliance with requirements	Lack of supervision of environmental activities	Absence or inadequacy of the required monitoring of the environmental aspects of the operation	2	7	6	84	Moderate	Conformity assessment of 26 March 2019	Y	Management Board, Management Board Representative
91		• compliance with requirements	Lack of supervision of environmental activities	Absence or inadequacy of required environmental reporting	2	7	6	84	Moderate	Conformity assessment of 26 March 2019	Y	Management Board, Management Board Representative

92		• compliance with requirements	Lack of monitoring of the organisation's legal environment	Absence of required permits, authorisations, licences	2	9	6	108	High	Conformity assessment of 26 March 2019	Y	Management Board, Management Board Representative
93		• compliance with requirements	Lack of monitoring of the organisation's legal environment	Absence or inadequacy of the required monitoring of the environmental aspects of the operation	2	7	6	84	Moderate	Conformity assessment of 26 March 2019	Y	Management Board, Management Board Representative
94		* compliance with requirements	Loss of legal title to the installation (no lease agreement)	No grounds for operation, no legal title to the installation required	1	9	1	9	Low	Lease agreement No. 1/N/2010 of 4 January 2010	Y	Management Board
95		• compliance with requirements	Lack of monitoring of the organisation's legal environment	Absence or inadequacy of required environmental reporting	2	7	6	84	Moderate	Conformity assessment of 26 March 2019	Y	Management Board, Management Board Representative
96		* utilities consumption	Increase in energy prices	Decreased profitability of the production process - increased costs	9	9	1	81	Moderate	Introduction of development projects aimed at changing the energy portfolio - focus on renewable, low-carbon energy.	Y	Management Board
97		* air emissions	Increase in prices of greenhouse emission trading allowances	Decreased profitability of the production process - increased costs	9	9	1	81	Moderate	Introduction of development projects aimed at changing the energy portfolio - focus on renewable, low-carbon energy.	Y	Management Board
96	Administration	* utility consumption	Standard administrative operation	Consumption of water, energy and raw materials for ongoing administrative operations	9	2	2	36	Low	Environmental policy of 25 March 2019	Y	Supervisors of organisational units
97		* waste generation	Standard administrative operation	Generation of municipal waste in ongoing administrative operations	9	2	2	36	Low	Environmental policy of 25 March 2019	Y	Supervisors of organisational units
* S - severity O - occurrence D - detection			<p align="center">Significant environmental aspects have been identified based on a risk assessment The lower limit for significant aspect status is a risk level of 70</p>									
Prepared by:												
Approved by:												