# Checklist for the implementation of monitoring measures listed in Appendices 1 and 2 to the EMP for Contract 1B.3/1

## Appendix no 1 to the Final Report

This document constitutes Appendix No. 1 to the Final Report on the implementation of the measures listed in the Environmental Management Plan for the Contract 1B.3/1 (reporting period: May 2021 - April 2023), it consists of the following parts:

- Section I. Checklist for the implementation by the Contractor of mitigation measures listed in Appendix 1 to the Environmental Management Plan (EMP),
- Section II. Checklist for the implementation by the Contractor of monitoring measures listed in Appendix 2 to the Environmental Management Plan (EMP),
- Section III. The quantitative summary of the implementation of the measures listed in Appendices 1 and 2 to the EMP.

The activities listed in Appendices 1 of the EMP are grouped into 17 thematic categories (A-R) and activities listed in Appendices 2 of the EMP are grouped into 19 thematic categories (S-T):

Cat.	Category name	Position in table
Α	Requirements for the Task implementation schedule	1 - 2
В	Requirements for the transport service of the Task implementation area	3 - 13
С	Requirements for the location of construction backup facilities and roads, material storage and parking areas	14 - 16
D	Requirements for soil and spoil management	17 – 22, incl. 19a
Е	Requirements for management of the humus layer	23 - 28
F	Requirements for cutting of trees and shrubs and reed fields	29 - 30
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I	Requirements for the restoration of green areas after completion of construction	51 - 55
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L	Requirements for the protection of human health and safety	80 - 89
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0	Requirements for the Contractor's personnel involved in the implementation of the EMP	101 - 105
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- ightarrow Column No. 1 "Item", numbers from 1 to 118, including 19a the numbers of individual mitigation measures in accordance with the numbering in Appendix 1 to the EMP.
- → Column no. 2 "Mitigation measures listed in Appendix 1 of the EMP" a keyword description of the measure along with the literal content of the measure in the text of Appendix 1 of the EMP.
- ightarrow Column 3 "Implementation status in the reporting period" description of the implementation status in the reporting period.

Section 1. Checklist for the implementation of mitigation measures listed in Appendix 1 to the EMP for the Contact 1B.3/1.

(1)	(2)	(3)
A	REQUIREMENTS FOR THE TASK IMPLEMENTATION SCHEDULE	
1	EMP terms and conditions concerning the dates of carrying out the works  When establishing the schedules of works and at the stage of their execution, the Contractor shall take into account the conditions of the EMP concerning dates and times of various types of works to be carried out, including:  a) permissible deadlines for works in the Regalica river bed (see items 39, 48)  b) permissible hours for execution of works (see item 66)  c) permissible dates for cutting of trees and shrubs (see items 29, 30)  d) permissible deadline for the removal of fertile earth (humus) (see item 24)  e) permissible deadline for conducting silting works on the "Mańków" silting field (see item 40).	Measure implemented and completed  Measure commenced at the beginning of the Contract (May 2021), according to the approved schedule and its subsequent updates.  Minor irregularities were found in the implementation of the measure [Q2 2021 (May 2021), Q3 2022 (August and September 2022), Q1 2023 (March 2023) and Q2 2023 (April)], which are described in point 4.4 of this report.
2	Terms and conditions of the EMP concerning activities to be carried out before the commencement or at the initial stage of works.  When establishing the schedules of works and at the stage of their execution, the Contractor shall take into account the conditions of the EMP concerning activities to be carried out before the commencement or at the initial stage of works, including:  a) conditions concerning the construction and equipping of construction backup facilities, technological roads and yards (see items 14-16, 58, 59, 62, 63, 65, 70, 72, 78, 79);  b) conditions concerning the transport service for the construction site (see items 3-16, 68-72) c) conditions concerning fencing of the construction of the humus layer (see items 23-28);  e) condition concerning the removal and protection of the humus layer (see items 23-28);  e) conditions for cutting of trees and shrubs (see items 29, 30);  f) conditions concerning preparation of documents see items . 6, 21, 22, 62, 72, 73, 77, 80-82, 85, 90, 97, 106, 108, 109);  h) conditions for obtaining the Engineer's approval for the person of the coordinator for the implementation of the EMP and the composition of the environmental supervision team and the sapper's supervision team (see items 102, 103, 105);  i) conditions for training on EMP implementation rules (see item 101);  j) conditions for carrying out other types of training (see items 88, 89, 112, 117).	Measure implemented and completed  Measure commenced at the beginning of the Contract (May 2021), according to the approved schedule and its subsequent updates.  Minor irregularities in the implementation of the measure were found [Q2 2021 (May 2021) and Q1 2023 (March 2023)], which are described in point 4.4 of this report.

В	REQUIREMENTS FOR THE TRANSPORT SERVICE OF THE TASK IMPLEMENTATION AREA	
	Conditions for using access roads to the Task implementation area The following conditions apply to the use of access roads to the Task implementation area (conditions specified in items 3 - 13):	
3	a) Access to the Task implementation area shall be determined on the basis of the existing roads.	Measure implemented and completed
		Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023 (April 2021). The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
4	b) The Contractor shall prepare a design of traffic organisation and works protection for the duration of the Task implementation in accordance with the provisions contained in the	Measure implemented and completed
	Technical Specifications and requirements of road authorities concerning transport routes and conditions of their use.	Implementation of the mitigation measure began in Q4 2021 (October 2021) and was completed in Q4 2021 (November 2021).
		No implementation problems or irregularities were identified.
5	c) The Contractor shall agree with the road authorities on the design of traffic organisation and works protection. The Contractor shall organise the traffic according to the agreed design	Measure implemented and completed
	(marking and securing of works and marking of diverted traffic and recommended road signs associated with the change of traffic organisation, etc.).	Implementation of the mitigation measure began in Q4 2021 (October2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		Minor irregularities in the implementation of the measure were found [Q4 2021], which are described in point 4.4 of this report
6	d) Prior to the commencement of works, the Contractor shall submit to the Engineer for approval, as agreed with the road authorities and the traffic management authority, a traffic	Measure implemented and completed
	organisation and works protection design. Depending on the needs and progress of the works, the traffic organisation and works protection design shall be kept updated by the Contractor.	Implementation of the mitigation measure began in Q4 2021 (October 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		Minor irregularities in the implementation of the measure were found [Q1 2022 (March 2022) and Q2 2022 (April 2022)], which are described in point 4.4 of this report.

7	e) The Contractor shall ensure that all access roads to the Task implementation area are	Measure implemented and completed
	properly marked, in accordance with the applicable law and agreements with the relevant road authorities. These markings shall be regularly inspected by the Contractor; in the event of damage or theft of the markings, the Contractor shall immediately reconstruct or supplement them.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q1 2022 (March
		2022)], which are described in point 4.4 of this report.
8	f) The Contractor shall maintain the hardened areas in good technical condition within the Task implementation area, within which the traffic of vehicles will take place.	Measure implemented and completed
	implementation area, waim which are traine of vehicles will take place.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		Minor irregularities in the implementation of the measure were found [Q4 2021 (November 2021)], which are described in point 4.4 of this report.
9	g) The Contractor shall be liable for any damage to structures and buildings, roads, drainage	Measure implemented and completed
	ditches, culverts, water and gas pipelines, pillars and power lines, cables, geodetic network points and installations of any kind, and other objects such as vertical and horizontal signs, navigation signs, information boards, cultural goods objects, etc., caused by him or his Subcontractors during the Task implementation period.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	The Contractor shall immediately repair at his own expense any damage caused and, if necessary, carry out any other works ordered by the Engineer.	No implementation problems or irregularities were identified.
10	h) The Contractor shall comply with the official axle load limits when transporting materials and equipment to and from the Task implementation area.	Measure implemented and completed
	equipment to and from the Task implementation area.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
11	i) The Contractor shall obtain all necessary permits from the authorities for the carriage of non- standard cargo and shall notify the Engineer of any such carriage on a continuous basis.	Measure not implemented due to lack of necessity
	Samual a cargo and shan notify the Engineer of any such carriage on a continuous basis.	During the Contract, there was no need to obtain any permits from the authorities for the transport of unusual cargo.
12	j) The Contractor shall be obliged to prepare photographic documentation of the entire area of	Measure implemented and completed
	the Task implementation area and access roads, with particular emphasis on the technical condition of roads and buildings located in the vicinity of transport roads for building materials.	Implementation of the mitigation measure began in Q3 2021 (July 2021) and was completed in Q3 2021 (September 2021).
		No implementation problems or irregularities were identified.

13	k) Before commencing the works, the Contractor shall carry out local inspections in the presence	Measure implemented and completed
	of road authorities, as the result of which reports on the condition of access roads to the Task implementation area will be drawn up. On this basis, the Contractor shall be obliged to restore the technical condition of roads from before the of the Task implementation period.	Implementation of the mitigation measure began in Q3 2021 (July 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		Minor irregularities in the implementation of the measure were found [Q3 2021 (August 2021)], which are described in point 4.4 of this report.
С	REQUIREMENTS FOR THE LOCATION OF CONSTRUCTION BACKUP FACILITIES AND ROADS, M	ATERIAL STORAGE AND PARKING AREAS
14	Obligation for the execution of construction backup facilities and roads, material storage and parking areas	Measure implemented and completed
	Prior to the commencement of construction works, the Contractor shall carry out the construction backup facilities, roads and material storage areas, as well as parking spaces.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	The equipment of the construction backup facilities and the use of the area should meet, among other things, the conditions specified in items 58, 59, 62, 63, 65, 70, 72, 74, 78, 79.	Minor irregularities in the implementation of the measure were found [Q4 2021 (November 2021) and Q1 2022 (January 2022)], which are described in point 4.4 of this report.
	When planning the above mentioned elements of the construction site, it is necessary to ensure that their area is limited to the minimum necessary.	
	Requirements for the selection of the location of construction backup facilities and roads, material storage and parking areas	
15	a) Construction backup facilities shall be located as far away as possible from acoustically	Measure implemented and completed
	protected areas and, where necessary, technical measures shall be taken to minimise noise propagation,	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
16	b) Material storage areas and parking spaces for the construction machinery should be located as far away as possible from the Regalica river bed.	Measure implemented and completed
	as iai away as possible from the Regalica livel bed.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
D	REQUIREMENTS FOR SOIL AND DREDGING SPOIL MANAGEMENT	

17	Management of soil coming from the construction site	Measure implemented and completed
	Soil located on the construction site should be first used on the construction site. The remaining excess soil should be managed in accordance with applicable regulations and design documentation. The method of managing soil constituting waste shall be presented in the Waste Management Plan, prepared by the Contractor and submitted to the Engineer's approval prior to the commencement of works. (in accordance with item 73).	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q1 2023, completing the measure in March 2023  Minor irregularities in the implementation of the measure were found [Q4 2021 (November 2021 and December 2021)], which are described in point 4.4 of this report.
18	Management of spoil from dredging on the construction site  The spoil obtained as the result of dredging operations should be tested for its grain size	Measure not implemented due to lack of necessity
	composition. If the grain size composition allows it, it can be used for embankment construction	During the Contract, there was no need to implement the measure.
	works related to the project. If the grain size composition is not suitable, the spoil shall be deposited in the silting field.	The measure was defined as not implemented, understood as no need to implement it during the period of the Contract, because the excavated material obtained as a result of dredging works was not used at the construction site. There was no need to order granulometry tests. Material from dredging, was used to level the bottom at km 734.6 of the Odra River at the Pomorzan Bridge in Szczecin.
19	Uncontaminated dredging spoil management	Measure not implemented due to lack of necessity
	Uncontaminated dredging spoil not used for construction works should be transferred to the silting fields "Mańków" and/or "Dębina" operated by Maritime Office in Szczecin. The method of spoil management shall be presented in the Waste Management Plan, prepared by the Contractor and submitted to the Engineer's approval prior to the commencement of works (in accordance with item 73).	During of the Contract, there was no need to implement the measure.  The material excavated - due to the lack of technical possibilities to transfer the material to the Mańków silting field - was used in accordance with the Measure 19a of the EMP.
19a	Management of dredged material, representing uncontaminated sediment transferred within surface waters	Measure implemented and completed
	The dredged material, which constitutes the sediment transferred within the surface water, will be used for water management and waterway maintenance: repairing and leveling the river bottom in km 734.6 of the Odra river at the Pomorzan Bridge in Szczecin.  The work should be performed:	Implementation of the mitigation measure began in Q1 2023 (February 2023) and was completed in the same quarter in March 2023.  Minor irregularities in the implementation of the measure were found [Q1 2023 (February 2023 and March 2023)], which are described in point 4.4 of this report.
	<ul> <li>In accordance with the content of the notification of the measure, to which the Regional Director of Environmental Protection in Szczecin did not raise any objections, including in particular the scope of activities minimizing the impact of the conducted activities: nature supervision during the works, use of silt curtains, measurements of the concentration of suspended solids and dissolved oxygen in water.</li> </ul>	

	<ul> <li>In accordance with provisions of the EMP dedicated protection of fishes during dredging works (in particular item 47 - Protection of ichthyofauna against increased concentration of suspended solids in river waters; item. 39 - Deadlines for execution of works in the riverbed).</li> <li>In accordance with provisions of the EMP related to providing the nature environment supervision team (in particular items 103, 104).</li> </ul>	
20	Before commencement of dreading works the Contractor shall carry out control tests and determine the quality of the spoil in accordance with applicable regulations (in accordance with the Act of 14 December 2012 on waste and relevant executive acts to the Act) and requirements of the operator of the silting fields "Mańków" and "Dębina" - the Maritime Office in Szczecin. The tests should be carried out by laboratories accredited for such tests.  The purpose of the tests is:  • determining the possibility of using the spoil for construction and fill construction works related to the project or depositing it on a silting field (in the case of confirming the absence of contamination with hazardous substances),  • establishing procedures for the contaminated spoil management (see item 22).  The testing methodology and selection of sampling points will be subject to the Engineer's approval. The sampling will be carried out under the supervision of the Engineer. The results of the spoil quality control will be subject to the Engineer's approval.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was completed in Q1 2022 (March 2022). In Q3 2022 the measure had to be implemented again – September 2022. The measure was finally completed in the same quarter of 2022 – in September 2022  Minor irregularities in the implementation of the measure were found [Q4 2021 (November 2021)., Q1 2022 (January 2022) and Q3 2022 (September 2022], which are described in point 4.4 of this report.
21	Dreading material quality control during execution of works  If as the result of current assessment and verification of the dredged spoil quality (see monitoring actions item 121 in the Attachment 2 to EMP) changes in the parameters and appearance of the spoil are found (e.g. colour, smell, consistency):  -The Contractor shall carry out control tests and determine the quality of the batch of spoil - in which changes in the parameters and appearance of the spoil are found - in accordance with applicable regulations (the Act on waste, the Environmental Protection Law and executive acts of the aforementioned Acts). The tests should be carried out by laboratories accredited for such tests.  If contaminated spoil is found, the Contractor shall proceed with the contaminated spoil batch in accordance with the provisions in item 22 "Contaminated dredging spoil management".  The Contractor shall ensure temporary storage of batches of spoil, which are suspected of being contaminated, until the results of laboratory tests are obtained. The technology and conditions regarding the method of temporary storage of spoil will be described by the Contractor in the Quality Assurance Plan, which must be approved by the Engineer prior to commencement of the works included in it. The technology adopted can not cause environmental pollution.	Measure implemented and completed  Implementation of the mitigation measure began in Q1 2023 (February 2023) and was completed in Q1 2023 (March 2023).  No implementation problems or irregularities were identified.

22	Contaminated dredging spoil management	Measure not implemented due to lack of necessity
	In accordance with the results of qualitative tests of sediments (see items 20 and 21) and its classification in that respect, contaminated spoil will be transported by water to the unloading sites to be eventually loaded onto the means of land transport and shipped to the appropriate landfills or authorized recipients of waste.  The exact locations of the designated landfills or waste recipients to which contaminated spoil will be transported shall be selected by the Contractor and must be pre-approved by the Engineer. These landfills must meet, in accordance with legal regulations, requirements in terms of landfilling ground masses with different levels of pollution and waste recipients must ensure contaminated spoil management in accordance with the Act on waste.  The technology of contaminated spoil reloading works, including the conditions for the temporary storage of spoil, will be described by the Contractor in the Quality Assurance Plan, which must be approved by the Engineer prior to commencement of the works included in it. The adopted technology can not cause environmental pollution within adjacent areas.  The method and the procedure of managing contaminated spoil shall be presented in the Waste Management Plan, prepared by the Contractor and submitted to the Engineer's approval prior to the commencement of works (see item 73).	During of the Contract, there was no need to implement the measure.  There was no need to manage contaminated dredging spoil. Excavation tests carried out before the planned dredging works showed no contamination of the material.
Е	REQUIREMENTS FOR MANAGEMENT OF THE HUMUS LAYER	
	Collection, storage and use of the humus layer	
23	a) Before commencing construction works in particular parts of the Task implementation area, a layer of fertile soil (so called humus) with the thickness of not less than 0.2 m should be removed;	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was completed in the same quarter of 2021 – November 2021  No implementation problems or irregularities were identified.
24	b) Works related the removal of humus shall be carried out between the beginning of September and the end of February. If it is necessary to carry out these works on a different date, the Engineer's consent must be obtained.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was completed in the same quarter 2021 – November 2021  No implementation problems or irregularities were identified.

25	c)	The stored humus prisms should be sprayed systematically, with the frequency depending	Measure not implemented due to lack of necessity
		on the weather conditions (do not allow the prisms to dry out for more than 5 days);	
			During the Contract, there was no need to implement the measure.
			The removed topsoil layer within the construction site contained a large amount of solid and liquid contamination, and also contained a seed bank of undesirable plants.
			Through an external entity - the District Chemical and Agricultural Station, a site inspection was carried out for soil contamination and soil samples were collected for testing. In order to assess the fertility of the material, samples were sent for laboratory analysis in terms of soil properties, i.e. pH, reaction, the need for liming, the content of assimilable forms of minerals and the content of humus and organic substances
			Based on the opinion of the botanist from the Contractor's environmental supervision, the collected topsoil, due to mechanical impurities (waste, glass, seeds of undesirable plants), could not be used for the development of green areas. It was managed in accordance with the Waste Management Plan and the relevant waste act. Therefore, there was no need to implement the measure.
26	d)	The stored humus prisms should be protected against contamination, running over, compaction, storage of building materials, etc;	Measure not implemented due to lack of necessity
		compaction, storage of building materials, etc,	
			During of the Contract, there was no need to implement the measure.
			The removed topsoil layer within the construction site contained a large amount of solid and liquid contamination, and also contained a seed bank of undesirable plants.
			Through an external entity - the District Chemical and Agricultural Station, a site inspection was carried out for soil contamination and soil samples were collected for testing. In order to assess the fertility of the material, samples were sent for laboratory analysis in terms of soil properties, i.e. pH, reaction, the need for liming, the content of assimilable forms of minerals and the content of humus and organic substances
			Based on the opinion of the botanist from the Contractor's environmental supervision, the collected topsoil, due to mechanical impurities (waste, glass, seeds of undesirable plants), could not be used for the development of green areas. It was managed in accordance with the Waste Management Plan and the relevant waste act. Therefore, there was no need to implement the measure.
27	e)	After the completion of the construction works, the stored humus should be used for the construction of arranged green areas, in accordance with the land development plan (also the	Measure not implemented due to lack of necessity
		condition in item 52).	During of the Contract, there was no need to implement the measure.
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	Activities related to the restoration of the humus layer and the restoration of green areas shall be started as soon as possible in order to allow their implementation	The removed topsoil layer within the construction site contained a large amount of solid and liquid contamination, and also contained a seed bank of undesirable plants.
		Through an external entity - the District Chemical and Agricultural Station, a site inspection was carried out for soil contamination and soil samples were collected for testing. In order to assess the fertility of the material, samples were sent for laboratory analysis in terms of soil properties, i.e. pH, reaction, the need for liming, the content of assimilable forms of minerals and the content of humus and organic substances
		Based on the opinion of the botanist from the Contractor's environmental supervision, the collected topsoil, due to mechanical impurities (waste, glass, seeds of undesirable plants), could not be used for the development of green areas. It was managed in accordance with the Waste Management Plan and the relevant waste act. Therefore, there was no need to implement the measure.
28	f) Works related to the construction of green areas shall be carried out under the supervision of a botanist/phytosociologist expert from the Contractor's environmental team.	Measure not implemented due to lack of necessity
		During of the Contract, there was no need to implement the measure.
		The removed topsoil layer within the construction site contained a large amount of solid and liquid contamination, and also contained a seed bank of undesirable plants.
		Through an external entity - the District Chemical and Agricultural Station, a site inspection was carried out for soil contamination and soil samples were collected for testing. In order to assess the fertility of the material, samples were sent for laboratory analysis in terms of soil properties, i.e. pH, reaction, the need for liming, the content of assimilable forms of minerals and the content of humus and organic substances
		Based on the opinion of the botanist from the Contractor's environmental supervision, the collected topsoil, due to mechanical impurities (waste, glass, seeds of undesirable plants), could not be used for the development of green areas. It was managed in accordance with the Waste Management Plan and the relevant waste act. Therefore, there was no need to implement the measure.
F	REQUIREMENTS FOR CUTTING OF TREES AND SHRUBS AND REED FIELDS	
29	Permissible dates for cutting of trees and shrubs and reed fields	Measure implemented and completed
	Cutting of trees and shrubs and reed fields, which interfere with the planned project, shall be carried out in the period from 01.10 to 28.02, i.e. outside the breeding season of birds.	Implementation of the mitigation measure began in Q2 2021 (June 2021) and was completed in Q4 2021 – November 2021
		The measure from June to September 2021 was granted the status "implemented", in the sense of not undertaking the removal of trees and shrubs within the

		prohibited period. The cutting of trees and shrubs was carried out in the period October-November 2021. The felling was carried out within the period permitted by nature and was preceded by an inspection of the natural supervision (ornithologist), verifying which trees can be cut down (without nests and hollows).  Implementation of the mitigation measure was resumed in Q4 2022 (November) and completed in the same quarter of 2022 – November 2022  Re-implementation of the action resulted from the location of trees within the line of the newly designed fence (from ul. Szlamowa towards the oak tree). Two walnut fruit trees and one dead (burnt) tree were felled. The felling was carried out within the permitted period and was preceded by an ornithologist's inspection.  No implementation problems or irregularities were identified.
30	Condition for cutting of trees outside the permissible dates for cutting	Measure implemented and completed
	If trees and shrubs need to be cut and reed fields removed during the bird breeding period, immediately before cutting, their presence in the area of bird habitats must be inspected by the environmental supervision ornithologist indicated in the item 103; if the above mentioned habitats are found, according to the inventoried habitats, appropriate permits must be obtained to derogate from the prohibitions in force for particular protected fauna species (according to the rules defined in accordance with the applicable regulations) - see also item. $35-38$ .	Implementation of the mitigation measure began in Q1 2022 (March 2022) and was completed in the same quarter of 2022 – March 2022  No implementation problems or irregularities were identified.
G	REQUIREMENTS FOR PROTECTION OF TREES AND SHRUBS NOT DESIGNED FOR CUTTING	
31	Execution of works in the area of trees not intended for cutting	Measure implemented and completed
	Trees not intended for cutting, growing in the Works implementation area and exposed to damage due to the work and movement of equipment shall be protected by:	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q1 2023, completing the measure in January 2023
	<ul> <li>a) protecting tree trunks growing in the immediate vicinity of executed earthworks, e.g. by placing wooden planks around the whole trunks up to the height of not less than 1.5 m,</li> <li>b) carrying out earthworks manually within the root system, if possible,</li> <li>c) exposed tree roots, in order to protect them from excessive drying (summer) or freezing (winter) should be covered with mats made of straw, baggy fabrics or peat,</li> <li>d) care should be taken to ensure that construction materials and excavated soil are not stored under tree branches as this prevents gas exchange between air and soil, which can lead to death and root decay.</li> </ul>	No implementation problems or irregularities were identified.
32	Protection of damaged trees and shrubs	Measure not implemented due to lack of necessity
	In case of damage to the aboveground parts of trees and shrubs not intended for cutting, the necessary care actions should be carried out immediately, appropriate to the place and type of	

	In case of root damage, cut off the damaged tips and protect the roots with a fungicide.  The above mentioned activities should be carried out in consultation with the environmental supervision team (referred to in item 103), and after their execution the opinion of the above team should be presented to the Engineer for approval regarding the assessment of the correctness of the executed activities.	During the Contract and the execution of contract works, there was no damage to any tree (not intended for felling), and therefore there was no need to implement the measure.
Н	REQUIREMENTS FOR THE CONSERVATION OF PROTECTED NATURAL RESOURCES	
33	One-off environmental inventory of the Task implementation area before the commencement of works  Before commencing the preparatory works consisting in cleaning up the area, the environmental supervision team referred to in item 103 will carry out a one-time environmental inventory of the Task implementation area. In particular, trees and shrubs intended for cutting and the bank strip should be visually inspected.  If habitats and species of fauna and flora subject to protection are found, for which it will be necessary to violate the prohibitions specified in the applicable regulations, decisions should be obtained allowing for derogations from the principles of the plant, fungi and animal species protection, referred to in items 35 - 38.	Implementation of the mitigation measure began in Q3 2021 (August 2021), despite the necessity resulting from Schedule to start the implementation of the measure in Q2 2021 (June 2021). The measure completed in Q3 2021 (September 2021).  In Q4 2022, it was necessary to resume the implementation of the measure – October 2022 and finally the measure was completed in the same quarter of 2022 – October 2022.  The resumption of the proceedings resulted from the need to carry out a natural inventory of the Mańków silting field before the planned preparatory and development works of the field preceding the actual works related to the spoil disposal.  Irregularities were found in the implementation of the measure [Q2 2021 (June 2021) and Q3 2021 (July, August, September 2021)], which are described in point 4.4 of this report.
34	Ongoing inspections by the environmental supervision team during the Task implementation period  Works and other works carried out during the Task implementation period shall be carried out under the current supervision of the environmental supervision team (referred to in item 103).  These experts should - in accordance with their specialty and type of conducted works, inter alia, carry out regular inspections of the entire Task area (at least once a month) and currently submit their comments and recommendations to the Contractor's personnel responsible for carrying out the works in accordance with the conditions of the EMP.  Written notes attached to the monthly reports on the implementation of the conditions of the EMP (referred to in item 108) shall be drawn up from the executed inspections.  Obtaining a decision allowing for derogations from the rules on the plant, fungi and animal species protection	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (October2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q3 2022 (September 2022)], which are described in point 4.4 of this report.

	If the presence of habitats or sites of protected species of flora and fauna is found in the Task implementation area before the commencement of works (as a part of a one-off nature inventory indicated in item 33 or during the construction works (see also item 34)), then the following conditions shall apply (indicated in items 35-38):	
35	a) The Contractor shall obtain and submit for the Engineer's approval a written opinion of the environmental supervision team (referred to in item 103) containing the definition of the necessity to obtain the decision referred to in item b), and then, if it proves necessary in the light of the opinion referred to above, it shall implement the measures referred to in items b-d (below);	Measure implemented and completed  Implementation of the mitigation measure began in Q3 2021 and was carried out until Q2 2023 The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q3 2021 (September 2021)] and Q4 2021 (October 2021)], which are described in point 4.4 of this report.
36	b) before taking any actions that could lead to the destruction of habitats and sites or scaring-off the protected species (in accordance with the opinion referred to in item a), the Contractor shall obtain administrative decisions required by law allowing for derogations from the prohibitions in force in relation to the protected plant, fungi and animal species;	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (October 2021) and was carried out until Q2 2023 The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q4 2021 (October and November 2021)], which are described in point 4.4 of this report.
37	c) the obtained decisions shall be submitted by the Contractor to the Engineer for information;	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was completed in Q2 2023 (March 2023). However in the periods May – August 2022, November – December 2022 and January – March 2023 there was no necessity to implement the measure.  No implementation problems or irregularities were identified.
38	d) The Contractor shall precisely and timely implement the conditions contained in the above mentioned decisions [see also items 103 and 104].	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  No implementation problems or irregularities were identified.

Deadlines for execution of works in the Regalica river bed	Measure implemented and completed
Works interfering with the Regalica river bed should be carried out in the period from 01.08 to 28.02, i.e. outside the period of fish spawning and spawn incubation, which lasts from 1 March to	Implementation of the mitigation measure began in Q2 2021 (June 2021) and was completed in Q2 2023 $$
51 July.	Irregularities were found in the implementation of the measure [Q2 2022 (April 2022), Q1 2023 (March 2023) and Q2 2023 (April 2023)], which are described in point 4.4 of this report.
Permissible deadline for execution of silting works in the "Mańków" silting field	Measure implemented and completed
The Contractor shall include in the work schedules a ban on silting works in the "Mańków" field in the period from 1 January to 30 June and shall carry out the works taking this ban into account (see	Implementation of the mitigation measure began in Q2 2021 (April 2021) and was completed in Q4 2022 – December 2022
Attachment 7 to the EMP).	Minor irregularities in the implementation of the measure were found [Q2 2021 (June 2021)], which are described in point 4.4 of this report.
Catching and transfer of small animals from the Task implementation area	Measure not implemented due to lack of necessity
In case of appearance of small animals (amphibians, reptiles, small mammals) in the Task implementation area, under the supervision of an appropriate environmental expert (herpetologist and/or teriologist, referred to in item 103), individuals of the above mentioned animals should be caught and transferred from the Task implementation area to their appropriate habitats, located outside the scope of the impact of the works.	During the Contract, there was no need to implement the measure.  During regular herpetological and theriological inspections, no amphibians or small mammals were found on the construction site. There was no need to implement this measure.
The work must be carried out in such a way as to avoid killing animals	Measure implemented and completed
The area of the Task implementation, and in particular the places where the works are currently being carried out, the construction backup facilities, the place where materials are stored, etc. should be protected against the entry of small animals (amphibians, reptiles, small mammals), by fencing these areas with a net, with mesh of not more than 0.5 x 0.5 cm and the height of not less than 0.5 m or other material that achieves the same purpose. This net should be buried in the ground to the depth of not less than 15 cm.  The task of preventing small animals from entering the Task implementation area and the installation of the above mentioned fences should be carried out under the supervision of herpetologist and teriologist experts (referred to in item 103).  Throughout the whole period of implementation of the Task, the condition of the fences should be systematically checked, and any breaks should be removed immediately, and in this:  a) during the period from 1 March to 31 August, these checks shall be carried out at least once every three days;  b) from 1 September to the end of February, at least once every 10 days.	Implementation of the mitigation measure began in Q4 2021 (December 2021) and was carried out until Q2 2023 The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q4 2021 (December 2021) and Q1 2022 (January and March 2022)], which are described in point 4.4 of this report.
	Works interfering with the Regalica river bed should be carried out in the period from 01.08 to 28.02, i.e. outside the period of fish spawning and spawn incubation, which lasts from 1 March to 31 July.  Permissible deadline for execution of silting works in the "Mańków" silting field The Contractor shall include in the work schedules a ban on silting works in the "Mańków" field in the period from 1 January to 30 June and shall carry out the works taking this ban into account (see Attachment 7 to the EMP).  Catching and transfer of small animals from the Task implementation area In case of appearance of small animals (amphibians, reptiles, small mammals) in the Task implementation area, under the supervision of an appropriate environmental expert (herpetologist and/or teriologist, referred to in item 103), individuals of the above mentioned animals should be caught and transferred from the Task implementation area to their appropriate habitats, located outside the scope of the impact of the works.  The work must be carried out in such a way as to avoid killing animals  The area of the Task implementation, and in particular the places where the works are currently being carried out, the construction backup facilities, the place where materials are stored, etc. should be protected against the entry of small animals (amphibians, reptiles, small mammals), by fencing these areas with a net, with mesh of not more than 0.5 x 0.5 cm and the height of not less than 0.5 m or other material that achieves the same purpose. This net should be buried in the ground to the depth of not less than 15 cm.  The task of preventing small animals from entering the Task implementation area and the installation of the above mentioned fences should be carried out under the supervision of herpetologist and teriologist experts (referred to in item 103).  Throughout the whole period of implementation of the Task, the condition of the fences should be systematically checked, and any breaks should be removed immediately, and in this: a) duri

43	Additional safeguards during migration of amphibians	Measure not implemented due to lack of necessity
	<ul> <li>In case of occurrence of significant numbers of amphibians, during migration</li> <li>a) buckets will be sunk into the ground evenly with the terrain and gradually, at least once a day, the caught individuals will be moved to safe places.</li> <li>b) Places will be selected where fences made of foil or agro-textile will be made.</li> <li>Determination of the necessity to apply these actions and their location as well as the transfer of the caught individuals shall be carried out under the supervision of a herpetologist expert (referred to in item 103).</li> </ul>	During the Contract, there was no need to implement the measure.  During regular herpetological inspections, no amphibians were found on the construction site. There was no need to implement this measure.
44	Checks of places likely to form traps for small animals	Measure implemented and completed
	Every morning, excavations and other places that could form traps for animals: amphibians, reptiles, small mammals shall be checked.	Implementation of the mitigation measure began in Q4 2021 (December 2021) and was carried out until Q2 2023 The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	In the periods from 1 March to 15 May and 15 September to 15 October, a second check shall also be carried out each day in the pre-evening time.	No implementation problems or irregularities were identified.
	Animals trapped there must be caught and released outside the Task implementation area to a location appropriate to the particular species.	
	The last check on the presence of animals in the excavations shall be carried out immediately before backfilling the trenches.	
	Checks should be carried out by the Contactor's personnel, trained in accordance with item 104, in accordance with the guidelines of experts, a herpetologist and a teriologist (referred to in item 103) who will coordinate and indicate the places of release of caught animal species.	
	All wells and other anthropogenic objects, which may form a trap for amphibians and small mammals, should be secured according to the remarks and under the direction of the above mentioned herpetologist and teriologist experts.	
45	Action mitigating environmental damage by recovering the fauna individuals excavated during dredging works and transporting them to a safe place.	Measure implemented and completed
	The works carried out in the Regalica river bed will be subject to permanent environmental supervision by the ichthyologist expert referred to in item 103. Observations on the excavated animals with river sediments and works on the relocation of individuals shall be carried out continuously during dredging works. If animals are found in the excavated sediments, they should be selected and moved to temporary reservoirs with river water.	Implementation of the mitigation measure began in Q4 2022 (November 2022) and was completed in Q1 2023 (March 2023). However in December 2022 and January 2023 there was no need to implement the measure.  No implementation problems or irregularities were identified.
	Animals shall not be kept in temporary reservoirs for too long (especially fish and lampreys; bivalves are relatively resistant) and, if necessary, aeration (e.g. from compressed oxygen cylinders) should be applied. Caught animals should be displaced within a short distance of the	

	investment but into places where: 1) dredging works have not been carried out so far; 2) construction and dredging works are not planned at later stages; 3) habitats are identical or similar to those in which fauna was present.	
46	Reduction of bird mortality due to collisions with newly built riverside infrastructure  Quay objects shall be made of non-transparent elements.	Measure implemented and completed  Implementation of the mitigation measure began in Q3 2022 (July 2022) and was completed in Q1 2023 (January 2023).  No implementation problems or irregularities were identified.
47	Protection of ichthyofauna against increased concentration of suspended solids in Regalica river waters  The works shall be carried out in accordance with the following rules:  a) in case concentrations of suspended solids higher than 200 mg/l or dissolved oxygen concentrations of < 4 mg O <sub>2</sub> /l are found (at monitoring points located approx. 500 m below the work execution site), the intensity of works should be limited (2-hour intervals every 2 hours) and if concentrations of >400 mg/l of suspended solids or <3 mg O <sub>2</sub> /l are found, the works should be stopped immediately for at least 24 hours,  b) resumption of works after any break caused by exceeding the suspended solids concentration must be preceded by re-measurement of the suspended solids concentration at monitoring points,  c) resumption of works may take place only in conditions of the suspended solids concentration below 200 mg/l at monitoring points.  Monitoring of suspended solids should be carried out on a daily basis, with measurement after at least 2 hours of works (with normal intensity). If the concentration exceeds 200 mg/l, the measurement must be repeated after a 2-hours break in the works. In parallel with the measurement of suspended solids, dissolved oxygen concentration will be measured. If the value is below 4 mg O <sub>2</sub> /l, the works will be stopped for a minimum of 2 hours, and if the value is below 3 mg O <sub>2</sub> /l - for a minimum of 24 hours. The oxygen concentration should be measured in the middle of the water column - approx. 1.0 m below the surface.	Measure implemented and completed  Implementation of the mitigation measure began in Q2 2022 (April 2022) and was completed in Q1 2023 (March 2023). However in May – October 2022, December 2022 and January 2023 there was no need to implement the measure.  Irreqularities were found in the implementation of the measure [Q2 2022 (April 2022)], which are described in point 4.4 of this report.
48	Duration of execution of dredging works  The duration of execution of dredging works will be up to 2 months	Measure implemented and completed  Implementation of the mitigation measure began in Q3 2022 (August 2022) and was completed in Q1 2023 (March 2023). A total of 2 months of dredging works were not exceeded. The Contractor carried out the dredging works in stages and, due to a change in technology and spoil placement, the works were suspended from November 2022 to mid-February 2023.  No implementation problems or irregularities were identified.

49	Environmental supervision before and during the demolition of cubature buildings (e.g. arbours, sheds, garages)	Measure implemented and completed
	The following rules shall apply to the demolition of cubature buildings:	Implementation of the mitigation measure began in Q4 2021 (October 2021) and was completed in Q4 2021 (November 2021).
	<ul> <li>a) demolition of cubature buildings shall be preceded by an inspection of these buildings for protected species of bats, carried out by a chiropterologist expert (referred to in item 103) no later than 1 week before the demolition of the building in question;</li> <li>b) if the presence of protected species of bats is found in the buildings planned for demolition, the aforementioned expert will indicate the acceptable dates and methods of execution of demolition, ensuring protection of the bats found.</li> <li>c) Demolition of cubature buildings will be carried out under the direct supervision of the above mentioned chiropterologist expert;</li> <li>d) in the event the presence of protected bat species in the buildings subject to demolition is found, the above mentioned expert will determine the ways to limit the mortality of the identified protected animals;</li> <li>e) if the presence of protected bat species is found in the buildings planned for demolition and/or in the facilities subject to demolition, an administrative decision, as required by law, shall be obtained allowing for derogations from the prohibitions in force for protected animal species (if required in a given case) - see items 35 - 38.</li> </ul>	Minor irregularities in the implementation of the measure were found [Q4 2021 (October2021)], which are described in point 4.4 of this report.
50	Minimising the impact of lighting on fauna and flora	Measure implemented and completed
	During the execution of the Task the Contractor shall reduce the water illumination from the side of planned icebreakers' base to the necessary minimum	Implementation of the mitigation measure began in Q4 2021 (December 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
I	REQUIREMENTS FOR THE RESTORATION OF GREEN AREAS AFTER COMPLETION OF CONSTRU	UCTION
	Arrangement of the area after completion of the works, restoration of the humus layer and execution of greenery areas	
	After completion of the works one shall:	
51	a) dismantle the construction backup facilities as well as technological roads and yards, and transport the materials from demolition outside the Task implementation area to the	Measure implemented and completed
	previously indicated destination (approved by the Engineer);	Implementation of the mitigation measure began in Q1 2023 (February 2023) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.

52	b) within the boundaries of the Task implementation area, restore the fertile soil layer (e.g. with the use of humus collected from the works area in accordance with the conditions specified in items 23 - 28) in accordance with the land development plan - greenery;  c) carry out measures to support the restoration of green areas (including grass sowing) in	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2022 (December 2022) and was completed in Q1 2023 (March 2023).  Minor irregularities in the implementation of the measure were found [Q1 2023 (January 2023)], which are described in point 4.4 of this report.  Measure implemented and completed
	accordance with the land development plan;	Implementation of the mitigation measure began in Q4 2022 (December 2022) and was completed in Q1 2023 (March 2023).  Minor irregularities in the implementation of the measure were found [Q4 2022 (December 2022) and Q1 2023 (January 2023)], which are described in point 4.4 of this report.
54	d) ensure proper care of the restored green areas (until the end of the Defects Notification Period);	During the Contract, there was no need to implement the measure.  Pursuant to the Contract, the Contractor was obliged to ensure the maintenance of the green areas only until the end of the Contract works completed with the Final Acceptance, which took place on April 20, 2023. Due to the commencement of works related to sowing grass after the completion of the main works and clearing the areas intended for green areas, as well as the time necessary for the formation rooting of lawns, the botanists - from the nature supervision team the Contractor - did not recommend any additional green areas care works.
55	Activities described in items b, c and d (above) shall be carried out by the Contractor under the supervision of botanical-phytosociologist experts (as mentioned in item 103), including, among other things:  - agreeing on precise deadlines for works; - agreeing on a detailed location of humus utilisation sites; - agreeing on the species composition of grass mixtures; - agreeing on the rules of maintenance of the designed green areas; - submission of the results of the above mentioned arrangements to the Engineer's approval;	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2022 (November 2022) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q4 2022 (November - December 2022) and Q1 2023 (January – March 2023)], which are described in point 4.4 of this report.

	- supervision of the execution of treatments supporting the restoration of green areas and supervision of the maintenance of these areas (until the end of the Defects Notification Period).	
J	REQUIREMENTS FOR THE PREVENTION OF ENVIRONMENTAL POLLUTION (INCLUDING THE I	IMITATION OF EMISSIONS INTO THE ENVIRONMENT)
56	Use of construction materials complying with the regulations and standards and environmentally friendly  Only construction materials that are not harmful to the environment (natural, environmentally friendly or neutral) shall be used for the implementation of the Task.  The materials, raw materials, fuels, fertilizers, cement and concrete mixes used should have relevant approvals and be approved for use.	Measure implemented and completed  Implementation of the mitigation measure began in Q1 2022 (February 2022) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  No implementation problems or irregularities were identified.
57	<ul> <li>Technical functionality and maintenance of vehicles, machinery and equipment         The following conditions shall apply to the technical performance and maintenance of vehicles, machines and equipment:         <ul> <li>construction and dredging works shall be carried out using only technically operational machinery, in such a way as to prevent pollution from getting into water and soil,</li> <li>The Contractor shall constantly carry out current inspections of the condition of vehicles, machinery and equipment and eliminate the possibility of any pollution getting into the soil and water environment, including in particular the occurrence of spillage of fuels, hydraulic oils and petroleum-derivative substances, both during servicing, transport and operation of vehicles, machinery and equipment with available organisational means.</li> </ul> </li> </ul>	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  No implementation problems or irregularities were identified.
58	Conditions for the location of material storage areas and parking areas of machines working on the project implementation  Material depots and parking areas for construction machinery should be located on a tight surface with the use of technology protecting against the penetration of pollution into the soil or water. General conditions for the selection of construction site backup facilities and storage areas for materials and machine parking areas are indicated in items 14 - 16.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (December 2022) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q4 2021 (December 2021), Q1 2022 (January 2022), Q3 2022 (July-September 2022)], which are described in point 4.4 of this report.
59	Prohibition to carry out selected machine-related activities in the area of works  Washing, servicing, repairing, refuelling and servicing of machines working on the Task implementation shall be carried out solely within dedicated and prepared areas within the construction back-up area.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (December 2021) and was completed in Q1 2023 (January 2023).  No implementation problems or irregularities were identified.

Preventing the emission of oil-derivative pollutants	Measure implemented and completed
All earthworks shall be carried out with particular caution, in a manner ensuring protection of the soil, surface water and groundwater against pollution, in particular by petroleum-derivative substances.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	No implementation problems or irregularities were identified.
Procedure in case of emissions of petroleum-derivative pollutants	Measure implemented and completed
In the event of an emergency leakage of petroleum-derivative substances or other consumables into the soil or water, it is necessary to proceed with the immediate neutralisation of the leakage, its collection and transfer to entities authorised to manage waste for disposal.  In the case of major accidents, use the procedures described in item 91.	Implementation of the mitigation measure began in Q2 2022 (April 2022) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
in the case of major decreasing, are the proceedings decreasing an item year	No implementation problems or irregularities were identified.
Equipping with sorbents	Measure implemented and completed
Adequate quantity of sorbents (suitable for use on solid surfaces and water) necessary for use in case of uncontrolled leakages of petroleum-derivative substances shall be ensured in accordance with the developed spillage procedure described in detail in item 6.14 of the text of the EMP. Stands	Implementation of the mitigation measure began in Q4 2021 (December 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
with sorbents should be located in the vicinity of places designated for the servicing of vehicles, machinery and equipment in the Task implementation area.	No implementation problems or irregularities were identified.
Possession oil booms on water	Measure implemented and completed
In the area of the Task implementation, an appropriate number of oil booms on water shall be ensured, necessary for use in the event of uncontrolled leakage of petroleum-derivative substances	Implementation of the mitigation measure began in Q4 2022 (October 2022) and was completed in Q2 2023. On 20.04.23 Final Acceptance was carried out
the EMP. Storage of booms on floating vessels or in the immediate vicinity of the bank in the place where dredging works are carried out.	No implementation problems or irregularities were identified.
Refuelling of floating equipment	Measure implemented and completed
Refuelling will take place at the place designated for refuelling. If it is necessary to obtain a separate permit from the Director of the Inland Navigation Office in Szczecin to locate a bunkering or	Implementation of the mitigation measure began in Q4 2022 (November 2022) and was completed in Q1 2023 (March 2023).
permit.	No implementation problems or irregularities were identified.
Environmentally safe storage of materials and raw materials	Measure implemented and completed
Materials and substances to be used in the implementation phase should only be stored in suitable containers, in dedicated locations, in an environmentally safe manner.	Implementation of the mitigation measure began in Q1 2022 (January 2022) and was completed in Q1 2023 (March 2023).
	Minor irregularities in the implementation of the measure were found [Q1 2022 (January and March 2022)], which are described in point 4.4 of this report.
	All earthworks shall be carried out with particular caution, in a manner ensuring protection of the soil, surface water and groundwater against pollution, in particular by petroleum-derivative substances.  Procedure in case of emissions of petroleum-derivative pollutants  In the event of an emergency leakage of petroleum-derivative substances or other consumables into the soil or water, it is necessary to proceed with the immediate neutralisation of the leakage, its collection and transfer to entities authorised to manage waste for disposal. In the case of major accidents, use the procedures described in item 91.  Equipping with sorbents  Adequate quantity of sorbents (suitable for use on solid surfaces and water) necessary for use in case of uncontrolled leakages of petroleum-derivative substances shall be ensured in accordance with the developed spillage procedure described in detail in item 6.14 of the text of the EMP. Stands with sorbents should be located in the vicinity of places designated for the servicing of vehicles, machinery and equipment in the Task implementation area.  Possession oil booms on water  In the area of the Task implementation, an appropriate number of oil booms on water shall be ensured, necessary for use in the event of uncontrolled leakage of petroleum-derivative substances - in accordance with the developed spillage procedure described in detail in item 6.14 of the text of the EMP. Storage of booms on floating vessels or in the immediate vicinity of the bank in the place where dredging works are carried out.  Refuelling of floating equipment  Refuelling of floating equipment  Refuelling of floating equipment  Refuelling of floating equipment  Refuelling of solutions expansion of the information of the contractor shall obtain such a permit.  Environmentally safe storage of materials and raw materials  Materials and substances to be used in the implementation phase should only be stored in suitable

66	Restricting works to daytime	Measure implemented and completed
	Construction works should only be carried out during the daytime (6:00 - 22:00).	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
67	Reducing noise and exhaust gases emissions from vehicles, machinery and equipment	Measure implemented and completed
	a) During the Task implementation period, the least acoustically onerous construction technologies should be used for execution of construction works, e.g. use vehicles, machines and equipment with the lowest possible noise levels and fully functional, switch off engines and equipment that are not working at a given moment, avoid operating all devices at the	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	same time, limit the operating time of engines at the highest revolutions, maintain good work organisation.	No implementation problems or irregularities were identified.
	b) During the Task implementation period, only technically functional vehicles, machines and equipment with sound emission (acoustic power) and exhaust gases emission in accordance with the applicable regulations shall be used.	
	Reducing air pollution by exhaust gases	
	In order to reduce the negative impact on the air condition:	
68	a) Avoid leaving machines and vehicles running idle during breaks in their operation;	Measure implemented and completed
		Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
69	b) vehicles should be parked with the engine stopped;	Measure implemented and completed
		Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
70	Reducing dust from construction site and roads	Measure implemented and completed
	During the implementation of the Task, the effects of secondary dusting shall be reduced, in particular by:  • limitation of traffic and speed of vehicles moving around the construction site;  • systematic cleaning of the construction site and the construction site backup facilities;	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.

	<ul> <li>spraying dusty road surfaces;</li> <li>use of tight tarpaulins on vehicles transporting materials that may cause dust during transport;</li> <li>cleaning vehicle wheels before leaving for access roads to the Task implementation area.</li> </ul>	Minor irregularities in the implementation of the measure were found [Q1 2022 (January and February 2022)], which are described in point 4.4 of this report.
71	Maintaining cleanliness on the roads	Measure implemented and completed
	<ul> <li>In order to maintain cleanliness on the roads, the following measures shall be taken:</li> <li>a) The Contractor shall use all available technical means and organisation of works in order to minimise making dirty the access roads to the Task implementation area.</li> <li>b) in places where heavy equipment leaves the construction site, the Contractor shall install stands where preliminary removal of soil or mud from vehicle wheels will take place.</li> <li>c) The Contractor shall be obliged to immediately and systematically remove any and all pollutants generated on the roads as the result of the traffic of vehicles, machines and equipment related to the Task implementation.</li> </ul>	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q4 2021 (November and December 2021) and Q1 2022 (January and February 2022)], which are described in point 4.4 of this report.
72	Hardening of the construction site and technological roads	Measure implemented and completed
	The area of the construction site backup facilities and all technological roads and other places where vehicles, machines and equipment will move should be hardened and made tight with a technology related to the used equipment. The applied technology is subject to approval as a part of the approval of the construction site organisation project.	Implementation of the mitigation measure began in Q4 2021 (December 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q4 2021 (December 2021) and Q1 2022 (January 2022)], which are described in point 4.4 of this report.
К	REQUIREMENTS FOR WASTE MANAGEMENT	
73	Preparation of Waste Management Plan (WMP)	Measure implemented and completed
	Before commencing the works, the Contractor shall prepare a Waste Management Plan, including waste from demolition, and shall obtain its approval by the Engineer (see item 6.14 of EMP).	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July 2021)], which are described in point 4.4 of this report.
74	Waste management rules	Measure implemented and completed
	For the Waste generated during the Task implementation, including demolition works, one shall:  • segregate and store them selectively in tight containers or transport containers, in conditions preventing dusting and dispersal of light fractions and their negative impact on the environment;  • ensure their successive receipt by entities authorised to further managing them.	Implementation of the mitigation measure began in Q4 2021 (October 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.

	The Contractor will keep records of waste management and transfer and provide the records to the Engineer in order to conduct monitoring.	Minor irregularities in the implementation of the measure were found [Q4 2021 (October2021), Q1 2022 (January 2022), Q3 2022 (August 2022) and Q4 2022 (October-December 2022)], which are described in point 4.4 of this report.
75	Hazardous waste management rules	Measure implemented and completed
	Hazardous waste should be segregated and stored separately in designated airtight containers placed in a hardened area, marked and protected against access by third parties, until it is handed over to authorised entities for further management.	Implementation of the mitigation measure began in Q4 2021 (October2021) and was completed in Q1 2023 (February 2023).  Minor irregularities in the implementation of the measure were found [Q4 2021 (October2021)], which are described in point 4.4 of this report.
76	Provision of authorised contractor carrying out the disposal of asbestos-containing products  Disposal of asbestos-containing products from demolished garden arbours may only be carried out by a entity authorised to carry out such works.  The Contractor shall submit to the Engineer's approval the documentation confirming that the obligations of the contractor for disposal of asbestos have been fulfilled in the scope of:  • permits for running a company in the scope of the disposal of asbestos and the production of asbestos-containing waste  • employment of workers trained in occupational safety and health for work with asbestos by an authorised institution  • possession of adequate technical equipment to carry out works in the scope of asbestos disposal.	Measure implemented and completed  Implementation of the mitigation measure began in Q3 2021 (September 2021) and was completed on . Q3 2021 (September 2021).  No implementation problems or irregularities were identified.
77	Asbestos disposal plan and notification of works  The Contractor shall ensure that the contractor carrying out works related to the disposal of asbestos-containing products from the demolished garden arbours: - shall draw up a detailed plan of works for the disposal of asbestos-containing products before commencing the works; - shall notify the competent construction supervision authority, the competent district labour inspector and the competent national health inspector of the intention to carry out the works, at least 7 days before the commencement of the works shall carry out the works in accordance with the above mentioned plan and notification. The plan of works for the disposal of asbestos-containing products and the application of the notification to the competent authorities is subject to approval by the Engineer.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (October 2021) and was completed on . Q4 2021 (October 2021).  No implementation problems were identified.
78	Rules for management of household and municipal waste water  One shall provide the construction backup facilities with tight bathroom and toilet facilities for household waste water and ensure that they are emptied regularly by authorised entities.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.

		No implementation problems or irregularities were identified.
79	Prevention of formation of illegal waste disposal sites	Measure implemented and completed
	Prior to the commencement of works, the Contractor shall identify the Task implementation area in terms of occurrence of illegal waste deposition sites. During the Task implementation period, the Contractor shall protect the Task implementation area against their possible forming.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		Minor irregularities in the implementation of the measure were found [Q4 2022 (December 2022) and Q1 2023 (January 2023)], which are described in point 4.4 of this report.
L	REQUIREMENTS FOR THE PROTECTION OF HUMAN HEALTH AND SAFETY	
	Preparation of documents related to the security in the Task implementation area	
	In the Task implementation area, order and proper organisation of works shall be maintained. Prior to the commencement of works, the Contractor shall prepare and obtain the Engineer's approval for the following documents related to safety on the construction site:	
80	a) Health and safety plan - see item 6.14 of the EMP text.	Measure implemented and completed
		Implementation of the mitigation measure began in Q3 2021 (July 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		Minor irregularities in the implementation of the measure were found [Q2 2021 (May 2021), which are described in point 4.4 of this report.
81	b) Construction site organisation project, see item 6.14 of the EMP text.	Measure implemented and completed
		Implementation of the mitigation measure began in Q3 2021 (July 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
82	c) The Contractor shall prepare and submit for the Engineer's approval a document entitled:	Measure implemented and completed
	Implementation plan and strategy for the management of environmental, social, health and safety risks: which includes, <i>inter alia</i> , such elements as: a description of the actions taken to manage the risks, description of the materials and equipment used, description of the management processes, etc. to be implemented by the Contractor and its subcontractors in	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	order to minimise risks. The Contractor shall, at the Engineer's request, update and submit for approval the Implementation Plan and strategy for the management of environmental, social, health and safety risks.	Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July and August 2021)], which are described in point 4.4 of this report.

83	Fencing of the construction site	Measure implemented and completed
	Before commencing the construction works, the Contractor will make a fence for the area. The fence should be at least 1.5 m high. If it is not possible to fence the construction or work site, the boundaries of the site shall be marked with warning signs and, if necessary, permanent supervision shall be ensured. The Contractor shall monitor the condition of the fence and warning signs and shall carry out any necessary repairs.	Implementation of the mitigation measure began in Q4 2021 (October 2021) and was completed in Q1 2023 (January 2023).  Minor irregularities in the implementation of the measure were found [Q4 2021 (October 2021), Q1 2022 (March 2022), Q2 2022 (June 2022), Q4 2022 (December 2022) and Q1 2023 (January 2023)], which are described in point 4.4 of this report.
84	<ul> <li>Sapper supervision in the Task area</li> <li>In order to minimise the risk associated with the possibility of dangerous objects of military origin being present in the Task area, the Contractor shall provide:         <ul> <li>in the course of the works - sapper's supervision of the works (performed by the sapper supervision team), which consists in ongoing checking and cleaning the Task area from dangerous objects of military origin together with their disposal;</li> <li>in case of finding dangerous objects of military origin in the Task implementation area - implementation of procedures described in item 92.</li> </ul> </li> </ul>	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  No implementation problems or irregularities were identified.
	implementation of procedures according to in term 72.	

85	Documentation and monitoring of the technical condition of buildings exposed to vibrations	Measure implemented and completed
	Prior to the commencement of works, during which vibrations may occur, putting at risk local residents and nearby buildings and infrastructure facilities, the Contractor shall carry out an inventory of the existing buildings and facilities, with particular emphasis on cracks and damages and the initial division of these damages into superficial damage (cracks in plaster, tiles, etc.) and damage to the building structure (cracks in lintels, load-bearing walls, ceilings, etc.), with the	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	possible installation of gap gauges for measuring cracks.	Minor irregularities in the implementation of the measure were found [Q2 2021 (May 2021)], which are described in point 4.4 of this report.
	During the execution of the above mentioned works, the Contractor shall monitor the condition of these buildings and facilities on an ongoing basis.	
	The spatial scope of the inventory shall be agreed by the Contractor with the Engineer.	
86	Implementation of guidelines regarding requirements concerning the work safety	Measure implemented and completed
	The Contractor shall ensure implementation of detailed guidelines concerning the work safety, among other things in the scope of:	Implementation of the mitigation measure began in Q4 2021 (October 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of
	construction site management, including hazardous zones;	Final Acceptance.
	<ul><li>storage and transport;</li><li>electrical systems and equipment;</li></ul>	Minor irregularities in the implementation of the measure were found [Q1 2022 (March
	machines and technical devices;	2022), Q2 2022 (April-June 2022), Q3 2022 (July-September 2022), Q4 2022 (October-
	works at height;     earthworks;	December 2022) and Q1 2023 (January-March 2023)], which are described in point 4.4 of this report.
	works on water;	9, 3
	demolition works;     underwater works.	
	- underwater works.	

	contained in the legal regulations in force.	
	Ensuring hygienic conditions	
	In the Task implementation area, one shall:	
87	a) ensure that the sanitary facilities are tight (e.g. in the form of the necessary number of portable toilets) and that they are used by employees,	Measure implemented and completed
	(Rules for management of household and municipal waste water have been given in item 78).	Implementation of the mitigation measure began in Q4 2021 (October2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		Minor irregularities in the implementation of the measure were found [Q4 2021 (October 2021)], which are described in point 4.4 of this report.
88	b) ensure that all employees are trained to maintain adequate hygienic conditions within the	Measure implemented and completed
	construction site and its immediate surroundings.	Implementation of the mitigation measure began in Q4 2021 (October 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
89	Principles of HIV-AIDS prevention	Measure implemented and completed
	The Contractor, through an approved service provider, shall implement an HIV-AIDS awareness-raising programme (including conducting an appropriate training) and take all other measures to reduce the risk of HIV transmission among the Contractor's personnel and the local community. These activities shall be carried out in accordance with the detailed conditions set out in the	Implementation of the mitigation measure began in Q3 2021 (July 2021), despite the need to proceed with the implementation of the measure from Q2 2021 (May 2021). The measure implemented from Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	Bidding Documents of the contract (Part 3, Section VIII - General Conditions, Clause 6.7).	Irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021), Q3 2021 (July and August 2021), Q4 2021 (December 2021), Q1 2022 (January and February 2022), Q2 2022 (June 2022) and Q3 2022 (July 2022)], which are described in point 4.4 of this report.
M	REQUIREMENTS FOR EXCEPTIONAL ENVIRONMENTAL HAZARDS	
90	Rules for flood risk management	Measure implemented and completed
	In connection with the risk of flooding, the Contractor shall prepare a document entitled: Flood management plan for the construction site and shall obtain the Engineer's approval (see item 6.14 of the EMP text).  In the event of flood occurrence, the Contractor shall follow the procedures described in the above	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	mentioned document.	Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021)], which are described in point 4.4 of this report.
91	Rules for notification of crisis situations	Measure implemented and completed

	In the event of a crisis situation (other than flood), accident, major breakdown, etc., the Contractor shall take the following actions:  • immediately inform the relevant services (Fire Brigade, Ambulance, Police, etc.);  • until the arrival of the appropriate services, carry out necessary actions to reduce the risk of losses in personnel, property and the environment (agreed with the appropriate services, if possible);  • notify the Engineer and the Ordering Party;  • upon arrival of the relevant services, follow strictly their recommendations and instructions.	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q2 2021 (May 2021)], which are described in point 4.4 of this report.
92	Rules for unexploded shells or ordnance management	Measure implemented and completed
	In case an unexploded shell or unexploded ordnance is found, one shall:     stop the work immediately;     evacuate the area around the finding;     Immediately inform the sapper supervision (see item 105) and the Police, and then follow their instructions;	Implementation of the mitigation measure began in Q1 2022 (January 2022) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  No implementation problems or irregularities were identified.
	notify the Engineer and the Ordering Party.  Under no circumstances, any found unexploded shells or ordnance must not be lifted, excavated, buried, moved, thrown into fire or water, etc.	
93	Rules for management of leakage of petroleum-derivative substances	Measure implemented and completed
	In connection with the risk of possible leakage of petroleum substances, the Contractor shall prepare a document, a so-called spillage procedure and shall its approval by the Engineer. In the event of the above mentioned leakage, the Contractor shall follow the procedures described in the above mentioned document.	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021)], which are described in point 4.4 of this report.
	Guidelines for safety on the waterway / prevention of shipping accidents	
94	a) means of transport (floating sets) must meet the requirements of relevant regulations in force on the territory of the Republic of Poland in the field of inland navigation.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2022 (November 2022) and was completed in Q1 2023 (March 2023).  No implementation problems or irregularities were identified.
95	b) means of transport (floating sets) in terms of parameters must be adapted to the conditions	Measure implemented and completed
	resulting from the current waterway class.	Implementation of the mitigation measure began in Q4 2022 (November 2022) and was completed in Q1 2023 (March 2023).
		No implementation problems or irregularities were identified.
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96	c) the use of floating vessels in the execution of the works requires consultation with the competent Director of the Inland Navigation Office in Szczecin and the Director of the Maritime Office in Szczecin (in the case of use of sea waters),	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2022 (October 2022) and was completed in Q1 2023 (March 2023).
		No implementation problems or irregularities were identified.
97	d) prior to the commencement of works, a plan of dredging works should be prepared, which requires approval by the Director of the Inland Navigation Office in Szczecin, the Director of the Maritime Office in Szczecin (in case of using sea waters) and with appropriate fairway administration.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2021 (November 2021) and was completed in Q1 2023 (March 2023).
		Minor irregularities in the implementation of the measure were found [Q4 2021 (November and December 2021)], which are described in point 4.4 of this report.
98	e) the work area and the waterway must be marked in accordance with the Inland Navigation Act	Measure implemented and completed
	and the local law to inform about the existing hazards and restrictions in shipping traffic. The method of marking and the location of the marking should be agreed with the Director of the Inland Navigation Office in Szczecin and with the competent waterway administration.	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was completed in Q1 2023 (March 2023).
		Minor irregularities in the implementation of the measure were found [Q4 2021 (November and December 2021) and Q1 2022 (January 2022)], which are described in point 4.4 of this report.
N	REQUIREMENTS FOR THE PROTECTION OF CULTURAL MONUMENTS	
99	Rules of conduct in case of discovery of movable monuments or archaeological sites	Measure implemented and completed
	If the Contractor, during the execution of construction works or earthworks, discovers an object, which is supposed to be a monument, he is obliged to stop all works that may damage or destroy the discovered objects, secure this object and the place of discovery with the use of available means, immediately notify the Voivodship Conservator of Monuments and, if this is not possible, the Mayor	Implementation of the mitigation measure began in Q4 2021 (November 2021) and was carried out until Q2 2023 The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  No implementation problems or irregularities were identified.
	of the City of Szczecin. The Contractor shall at the same time notify the Engineer accordingly about the above scope.	No implementation problems of irregularities were identified.
100	Obtaining the permission of the Voivodship Conservator of Monuments	Measure implemented and completed
	In order to implement the provisions of the EMP related to the Protection of Cultural Heritage and Historical Monuments, the Contractor, if necessary, shall also obtain, on the basis of the power of attorney granted by the Ordering Party, the permission of the Voivodship Conservator of Monuments (VCM) to carry out rescue archaeological surveys.	Implementation of the mitigation measure began in Q3 2021 (July 2021) and was completed in Q4 2021 (November 2021).  Minor irregularities in the implementation of the measure were found [Q3 2021 (July 2021)], which are described in point 4.4 of this report.
0	REQUIREMENTS FOR THE CONTRACTOR'S PERSONNEL INVOLVED IN THE IMPLEMENTATION	OF THE EMP

101	Training of the Contractor's staff in the EMP implementation	Measure implemented and completed
	The Contractor shall be responsible for conducting the training (concluded with a test verifying the knowledge of the participants) on the terms and conditions of the EMP and protective guidelines during the construction process for its management and engineering and technical staff supervising the construction site, which should be prepared with the assistance of its team of environmental experts. Employees of the Contractor who will deal with fuels and other petroleum-derivative substances and other substances harmful to health and the environment shall be trained in the principles of the soil and water environment protection and application of protection measures, including the use of sorbents.  In the monthly reports submitted to the Engineer, the Contractor shall provide information on the state of training of the Contractor's personnel in the scope of EMP conditions in the current reporting period.	Implementation of the mitigation measure began in Q3 2021 (July 2021) although it should have been implemented from May 2021 The measure was carried out to Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Irregularities were found in the implementation of the measure [Q2 2021 (May and June 2021)], which are described in point 4.4 of this report.
102	Appointment of the EMP coordinator in the Contractor's team	Measure implemented and completed
	<ul> <li>A person will be appointed in the Contractor's team to coordinate and supervise activities related to the implementation of the EMP.</li> <li>The duties of such person will include, among other things:</li> <li>supervision of the implementation of particular EMP conditions in subsequent stages of the Task implementation;</li> <li>ongoing monitoring of the status of implementation of particular conditions from the Attachments 1 and 2 of the Task Area;</li> <li>ongoing keeping the management of the Contractor's team informed about the obligations arising from the EMP at a given stage of works as well as about any problems with the implementation of the EMP;</li> <li>cooperation with the remaining part of the Contractor's team (including in particular supervision over the environmental supervision team referred to in item 103) in ensuring the implementation of the EMP;</li> <li>reporting on the implementation of the EMP (in accordance with the rules set out in items 104 - 108);</li> <li>cooperation with persons responsible for the implementation of EMP in the team of the Engineer and the Ordering Party.</li> <li>The EMP Coordinator cannot be a member of the Contractor's team of environmental experts (environmental supervision).</li> <li>The person appointed to the above mentioned function requires the Engineer's approval</li> </ul>	Implementation of the mitigation measure began in Q2 2021 (June 2021) although it should have been implemented from May 2021. The measure was carried out to Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q4 2021 (October and November 2021)], which are described in point 4.4 of this report.
103	Provision of environmental supervision team	Measure implemented and completed
	Throughout the Task implementation period, the Contractor shall ensure the participation of a team of environmental experts (environmental supervision), composed of representatives of the following specialities:  a) botanist-phytosociologist (natural habitats and protected plant species); b) dendrologist (principles of tree care and protection); c) zoologist-ichthyologist (fish);	Implementation of the mitigation measure began in Q2 2021 (June 2021) although it should have been implemented from May 2021. The measure was carried out to Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021), Q3 2021 (July 2021) and Q3 2022 (September 2022)], which are described in point 4.4 of this report.

- d) zoologist-herpetologist (amphibians and reptiles);
- e) zoologist-ornithologist (birds);
- f) zoologist-teriologist (non-flying mammals),
- g) zoologist-chiropterologist (bats).

These experts will be involved in the implementation of selected mitigation and monitoring activities specified in the EMP, and in particular:

- a) mitigation activities listed in the Attachment 1 of the EMP in the items, in particular: 28, 30, 32, 33, 34, 35-38, 41-45, 49, 55, 101, 108, 109.
- b) monitoring activities listed in the Attachment 2 of the EMP in the items, in particular: 28, 30, 32, 33, 34, 35-38, 41-45, 49, 55, 101, 108, 109.

The personal composition of the environmental experts' team requires the Engineer's approval. One member of the environmental supervision team may represent a maximum of two environmental specialisations listed in items a) to g) above.

#### 104 Tasks of the environmental supervision team

The task of the environmental supervision will be to take appropriate protective measures in the event of a risk to protected species of fauna and flora as the result of construction works. In particular, the duties of the environmental supervision should include:

- prior to the commencement of the Task implementation, checking the area, on which the construction works are to be carried out in terms of the presence of protected species sites. The trees and shrubs to be cut and the bank strip (see item 33) should be inspected in detail (before commencing the works consisting in cleaning up the area);
- if habitats and species of fauna and flora subject to protection are found, for which it will be necessary to breach the prohibitions set out in the applicable regulations, obtaining of appropriate permits for the execution of these activities before commencing construction works (see items 35-38).
- execution of supervision during construction works consisting in: cutting of trees and shrubs as well as vegetation on the banks, execution of excavations forming potential traps for animals, executed dredging of bottom sediments. As a part of the above supervision, the presence of fauna should be observed and, if necessary (based on the permits obtained, actions should be taken to prevent negative impact on the identified individuals (e.g. application of protection of potentially dangerous places for fauna, catching specimens of fauna appearing in the area of executed works or trapped in excavations, in particular amphibians, reptiles or small mammals and moving them to appropriate habitats outside the range of negative impacts; taking other actions to protect the environment during the executed works, e.g.: in case of finding active breeding sites of birds stopping the works until rearing the brood by the birds and obtaining appropriate permits, finding mass migration of amphibians selecting places where fencing should be made of foil or agro-textile, finding fauna specimens in the extracted sediments, moving to a safe place, at an appropriate distance, outside the area intended for dredging works). [see also items 41-45, 49];
- training the contractor's employees in the procedure to be followed in the event of situations on the construction site, which pose a risk to the natural environment,

#### Measure implemented and completed

Implementation of the mitigation measure began in Q3 2021 (August 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.

Minor irregularities in the implementation of the measure were found [Q3 2022 (September 2022)], which are described in point 4.4 of this report.

	including activities related to control of places that could be traps for small animals, referred to in item 44.	
105	Provision of sapper supervision team	Measure implemented and completed
	The Contractor will ensure the participation of the sapper supervision team for the whole duration of the Task implementation period.  Such team will be involved in the implementation of selected mitigation activities specified in the EMP (in particular the activities listed in item 84).  Depending on the needs, the sapper supervision team may consist of at least one or more persons holding relevant industry licences. The team composition of the sapper supervision team requires the Engineer's approval.	Implementation of the mitigation measure began in Q3 2021 (August 2021) although it should have been implemented from May 2021. The measure was carried out to Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July 2021)], which are described in point 4.4 of this report.
P	REPORTING REQUIREMENTS FOR THE REPORTING OF THE EMP IMPLEMENTATION	
106	Reporting on the state of implementation of the EMP in monthly reports	Measure implemented and completed
	During the Task implementation period, the Contractor shall submit timely the monthly reports to the Engineer on the implementation of conditions specified in the EMP (in the form of a checklist together with the necessary attachments, including reports on the implementation of environmental supervision).  The Contractor shall prepare a template of the above report (checklist) and obtain the Engineer's approval for this document.  Depending on the circumstances, the Engineer may require from the Contractor to submit additional reports concerning, among other things, crisis situations, implementation of selected items of the EMP and other things.	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023 The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (September 2021) and Q4 2021 (October and November 2021)], which are described in point 4.4 of this report.
107	Discussing the implementation of EMP during working meetings and construction site	Measure implemented and completed
	meetings  During the Task implementation period, monthly meetings of representatives of the PIU, Engineer and Contractor will be held to discuss and control the implementation of mitigation and monitoring activities specified in the EMP.	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was completed in Q1 2023 (March 2023)
	Regardless of the above, current requirements and problems related to the implementation of the EMP will be discussed at all construction site meetings.	Minor irregularities in the implementation of the measure were found [Q2 2021 (May 2021)], which are described in point 4.4 of this report.
	Reports of the Contractor's environmental team	
	The Contractor's environmental team carries out reporting:	
108	a) preparing periodic reports (monthly, quarterly and final reports) on the implementation of conditions specified in the EMP (in the form of a checklist with the necessary attachments,	Measure implemented and completed
	including reports on the implementation of environmental supervision) submitted to the Engineer and requiring his / her approval,	Implementation of the mitigation measure began in Q3 2021 and was carried out until Q2 2023 The measure completed on 20.04.23, i.e. on the date of Final Acceptance.

		Minor irregularities in the implementation of the measure were found [Q3 2021 (August and September 2021), Q4 2021 (October and December 2021)], which are described in point 4.4 of this report.
109	b) preparation of reports submitted to the Regional Director for Environmental Protection in Szczecin in accordance with the conditions of decisions indicated in items 36 – 38, if required. The EMP coordinator in the Contractor's team is responsible for the preparation of the documents indicated in points a and b.	Measure implemented and completed  Implementation of the mitigation measure began in Q4 2022 (November 2022) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance. However, in December 2022 and February – March 2023 there was no need to implement the measure.  No implementation problems or irregularities were identified.
R	MANAGEMENT STRATEGIES, ESHS IMPLEMENTATION PLANS AND SPECIFIC REQUIREMENTS	OF ESHS POLICIES
110	Contractor's responsibility for compliance with the ESHS  The Contractor shall ensure that all requirements and conditions of the ESHS and the plan referred to in item 82 are met.  This condition applies to the Contractor and its staff, regardless of the legal form of cooperation and respectively to Subcontractors and their staff.	Measure implemented and completed  Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July and August 2021)], which are described in point 4.4 of this report.
111	Prevention of sexual harassment and mobbing The Contractor shall ensure that during the execution of the Contract, such conditions are in place as to prevent mobbing and sexual harassment to its staff and Subcontractors, as well as to other persons (whether related to the execution of the Contract or third parties).	Measure implemented and completed  Implementation of the mitigation measure began in Q3 2021 (September 2021) although it should have been implemented from May 2021. The measure was carried out to Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July and August 2021)], which are described in point 4.4 of this report.
112	Awareness-raising on the prevention of sexual harassment and mobbing  The Contractor shall, through an approved and qualified service provider, conduct training and implement an awareness-raising programme on the prevention of sexual harassment and mobbing. These activities shall be carried out throughout the entire term of the Contract, including	Measure implemented and completed  Implementation of the mitigation measure began in Q3 2021 (September 2021) although it should have been implemented from May 2021. The measure was carried

	the period of notification of defects at least every two months. These will take the form of information, education and awareness-raising campaigns.	out to Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  During the period of notification of defects, the measure will be resumed if it is necessary for the Contractor to return to the area covered by the performance of the Contract and introduce the Contractor's Team to remove any defects and faults.
		Irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021), Q3 2021 (July and August 2021) and Q4 2021 (December 2021) and Q1 2022 (January – March 2021) and Q2 2022 (April and May 2022)], which are described in point 4.4 of this report.
113	Reporting cases of sexual harassment and mobbing	Measure implemented and completed
	It is the Contractor's duty to inform the Consultant immediately about all reported cases and suspicions concerning sexual harassment and mobbing.  All reported cases and suspicions concerning sexual harassment and mobbing should be entered in the register of complaints and requests kept by the Contractor.	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023 The measure completed on 20.04.23, i.e. on the date of Final Acceptance.
	In the case of mobbing or sexual harassment, the Contractor shall be obliged to take actions aimed at immediate termination of such behaviour and to take all legal measures against the perpetrators of such behaviour. The Contractor shall be also obliged to provide all necessary assistance and support to the victims of such conduct.	Irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July and August 2021)], which are described in point 4.4 of this report.
114	Ensuring that staff employed in the implementation of the Task can submit complaints and	Measure implemented and completed
	requests  Contractor will inform all employees on the construction site about the possibility of lodging complaints about working and pay conditions and will provide an information leaflet with the necessary information on how to lodge complaints and requests, in which it will ensure that there are no repercussions for the person reporting a problem.  The Contractor will keep a register of complaints and requests.  The content of the leaflet and the format of the register will be agreed with the Consultant.	Implementation of the mitigation measure began in Q3 2021 (August 2021). The measure was carried out to Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July 2021)], which are described in point 4.4 of this report.
115	Ensuring accident-free working conditions	Measure implemented and completed
	The Contractor shall ensure such conditions in the Task area and outside the Task area (during activities related to the execution of the Task, e.g. during transport) as to prevent accidents involving persons related to the execution of the Contract, including Contractor's, Engineer's, Investor's, Subcontractors' staff, etc., as well as third parties.  In the event of such accidents, it is necessary to:  • immediately ensure proper handling of the injured party  • secure the location of the accident  • inform the Engineer as soon as possible about the accident and the Contractor's reaction to the accident	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q1 2022 (January and March 2022)], which are described in point 4.4 of this report.

	notify relevant services and allow them to reach the place of the accident.	
116	Conditions of employment of young workers	Measure implemented and completed
	In connection with the execution of the Contract, Contractor may employ only such a minor who is at least 15 years old, has completed primary school of at least eight years duration and has presented a medical certificate stating that the work in question does not endanger his / her health.	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on $20.04.23$ , i.e. on the date of Final Acceptance.
		No implementation problems or irregularities were identified.
117	Health and Safety Supervision by the Contractor	Measure implemented and completed
	During the Task implementation period, the Contractor will ensure constant supervision of health and safety at work. The scope of duties, qualifications and personal composition of the Contractor's HS services shall be in accordance with the Polish labour law regulations.  Prior to the commencement of works, the Contractor's health and safety supervision shall conduct	Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on $20.04.23$ , i.e. on the date of Final Acceptance.
	a dedicated training for the Contractor's personnel in the field of work safety and accident risk during the execution of the Task.	Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July and August 2021)], which are described in point 4.4 of this report.
118	The Contractor shall be obliged to apply and comply with all labour law regulations in force in Poland, in particular all provisions of the Labour Code, and shall act in accordance with the ESHS Code of Conduct. In particular, the following issues should be reflected in the Contractor's employment policy and the remuneration regulations:  - ensuring equal pay for employees performing the same work without taking into account gender, sexual orientation or age.  - ensuring that persons employed in the Contract are not persecuted or discriminated against on the basis of gender, sexual orientation and age.  - ensuring that the Contractor, in accordance with the possibilities and conditions and the Polish Labour Code provisions, will meet the living and social needs of employees in the workplace.  - ensuring by the Contractor to make it easier for employees to improve their professional qualifications.	Measure implemented and completed  Implementation of the mitigation measure began in Q2 2021 (May 2021) and was carried out until Q2 2023. The measure completed on 20.04.23, i.e. on the date of Final Acceptance.  Minor irregularities in the implementation of the measure were found [Q2 2021 (May and June 2021) and Q3 2021 (July and August 2021)], which are described in point 4.4 of this report.

# Section II. Checklist for the implementation of monitoring measures listed in Appendix 2 to the EMP for Contract 1B.3/1.

Item.	Monitoring measure as described in Appendix 2 to the EMP	Status of implementation in the reporting period
(1)	(2)	(3)
1-123 (incl. 19a)	Monitoring the implementation of mitigation measures from Appendix 1 to the $\ensuremath{EMP}$	Implemented and completed
	Subject of monitoring in accordance with the descriptions given in item 1-123, including 19a, in Appendix 1 to the EMP.	Monitoring of the measures started from the date of signing the Contract, i.e. in Q2 2021 and was carried out until the end of the reporting period [Q2 2023]. There were no problems with the implementation of the
	Place of monitoring in accordance with the descriptions given in item 1-123, including 19a, in Appendix 1 to the EMP.	monitoring measures.
	Method of monitoring in accordance with the descriptions given in item 1-123, including 19a, in Appendix 1 to the EMP.	
	Time and frequency of monitoring in accordance with the descriptions given in item 1-123, including 19a, in Appendix 1 to the EMP.	
	Monitoring unit: The Contractor (in accordance with the descriptions given in item 1-123, including 19a, in Appendix 1 to the EMP).	

## Section III. Quantitative implementation list for measures listed in Appendices 1 and 2 to the EMP for Contract 1B.3/1 in reporting period

The table below presents a quantitative summary of the implementation of the measures listed in Appendices 1 and 2 to the Environmental Management Plan (EMP) for Contract 1B.3/1, in the reporting period.

Category	Mitigation measures (items. 1-118, including 19a, in Appendix 1 to the EMP)		Monitoring measures (items. 1-118, including 19a, in Appendix 2 to the EMP)	
	Quantity	No of item	Quantity	No of item
Measures carried out and completed in the reporting period	111	1-10, 12-17, 19a, 20, 21, 23, 24, 29-31, 33-40, 42, 44-53, 55-118	124	1-19, 19a, 20-123
Measures not implemented in the reporting period (considered as not related to the reporting period - there was no need to implement them)	8	11, 18, 19, 22, 25-28, 32, 41, 43, 54	-	-