



# FINAL REPORT



ODRA-VISTULA  
FLOOD MANAGEMENT PROJECT CO-FINANCED  
BY:

REPUBLIC OF POLAND  
WORLD BANK – LOAN NO. 8524-POL  
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NFOŚIGW

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Odra-Vistula  
Flood Management  
Project



State Water  
Management  
Polish Waters

**Final report on the implementation of measures specified in the Environmental  
Management Plan  
for Contract 1B.5/3**

**FINAL REPORT  
ON THE IMPLEMENTATION OF MEASURES SPECIFIED IN THE ENVIRONMENTAL  
MANAGEMENT PLAN  
FOR CONTRACT 1B.5/3**



**Odra–Vistula Flood Management Project**

Subcomponent	1B Flood protection of the Lower and Middle Odra
Contract Task	1 B.3 Reconstruction of a bridge to ensure a minimum clearance (a railway bridge at 615.1 km of Odra in Kostrzyn nad Odrą)
Investor/Project Implementation Unit	State Water Management Polish Waters in Warsaw represented by the Director of the Regional Water Management Authority in Szczecin
Works Contractor	Consortium: PBW INŻYNIERIA Jacek Garbacz (Leader) Probudowa.com Sp. z o.o. (Partner) LWZ Sp. z o.o. (Partner)
Contract Engineer	SWECO Polska Sp. z o.o. – Leader ul. Franklina Roosevelta 22, 60-829 Poznań SWECO Nederland B.V. – Partner De Bilt, De Holle Bilt 22  Mailing address: SWECO Polska sp. z o.o. Łyskowskiego 16 71-641 Szczecin

**Final report on the implementation of measures specified in the Environmental Management Plan  
for Contract 1B.5/3**

Authors of the Report (appendix):

- 1. Magdalena Wojciechowska – environmental management expert

	Full name	Date and signature
Prepared by:	Magdalena Wojciechowska <i>Author of the report</i>	
Approved by:	Krystyna Araszkiwicz <i>Contract Engineer/Project Manager</i>	

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**BACKGROUND**

The final report on the implementation of measures specified in the Environmental Management Plan describes the status of the implementation of mitigation and monitoring measures for Contract 1B.5/3 throughout the duration of the Contract.

For this Contract, the following are presented, respectively:

- basic information about Contract 1B.5/3 (including, but not limited to, the material scope and basic dates of the Contract);
- basic information on the Environmental Management Plan for Contract 1B. 5/3;
- organizational system of supervision over the implementation of the Environmental Management Plan;
- the status of implementation of mitigation measures listed in Appendix 1 to the EMP;
- the status of implementation of monitoring measures listed in Appendix 2 to the EMP;
- description of other ESHS measures and events;
- summary.

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## **1. BASIC INFORMATION ABOUT CONTRACT 1B.5/3**

This Report on the implementation of measures in the Environmental Management Plan (EMP) relates to Task 1B.5/3 Reconstruction of a bridge to ensure a minimum clearance (Railway bridge at km 615.1 of the river. Odra in Kostrzyn nad Odrą), forming part of Sub-Component 1B within the Odra-Vistula Flood Management Project (OVFMP) and executed as a Works Contract: 1B.5/3. The Project Implementation Unit for the Task is State Water Management Polish Waters, on behalf of which the Regional Water Management Authority in Szczecin acts.

The subject of the Contract was the reconstruction of railway line No. 203 from km 341.480 to km 342.300 in connection with the reconstruction of the railway bridge over the Odra River at km 615.1 in Kostrzyn nad Odrą for minimum clearance.

The Task included the reconstruction of an approx. 820 m section of the track system due to the need to adapt it to the railway bridge over the Odra River, which was being rebuilt. This is the section of railway line No. 203 Tczew-Kostrzyn between the western abutment of the railway bridge over the River Warta and the eastern abutment of the border railway bridge over the River Odra. In this section, apart from the railway embankment, there are engineering structures – a bridge over Suchodół and a viaduct over Gorzyńska Street. The Task included the reconstruction of the railway line with the demolition, renovation, repair, reconstruction, and expansion of the railway infrastructure.

The Task was directly related to the project carried out by the administrator of German railway line 6078, which will involve a significant raising of the track gradeline at the border bridge at km 615.1 of the River Odra, resulting from the adjustment of the bridge clearance above 5.25 m for ice-breaking operations.

Table 1. Summary of key dates for the Contract.

<b>Action</b>	<b>Date</b>
Signing the Agreement with the Contractor	06/07/2021
Construction Site handover	24/08/2021
Start of construction work	22/10/2021
Completion of construction work	19/09/2023
Final acceptance procedure	21/11/2023

## **2. MITIGATION AND MONITORING MEASURES AS DEFINED IN THE EMP FOR CONTRACT 1B.5/3**

The Environmental Management Plan for Contract 1B.5/3 was prepared in September 2020. Subsequently, the World Bank issued a "No Objection" approval in September 2020 approving the Environmental Management Plan as one of the documents of the tender procedure for the selection of the Contractor for the construction works under the Contract. This is a document systematizing the measures undertaken under the Contract, obliging all entities participating in Contract implementation to comply with the provisions contained therein. A detailed description of the conditions for the implementation of the Contract with respect to environmental management was prepared in the form of appendices to the Environmental Management Plan – Appendix 1 containing the Mitigation Plan, and Appendix 2 containing the Monitoring Plan.

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## **2.1. CONDITIONS SPECIFIED IN APPENDIX 1 TO THE EMP**

In order to limit the negative impacts of the planned Task on the environment, Appendix 1 to the EMP provides a set of mitigation measures 1 to 107 to be applied by the Contractor. These measures were prepared on the basis of the conditions contained in the applicable administrative decisions on environmental protection issued for the Task (including the works notification) in addition to the additional conditions established at the stage of EMP preparation. A complete list of mitigation measures is compiled in Appendix 1 to the EMP, and divided into the following categories:

Table 2. Thematic categories of the grouped activities listed in Appendix 1 to the EMP.

<b>Cat.</b>	<b>Category name</b>	<b>Item in table</b>
A	Requirements for the Task implementation schedule	1 - 2
B	Requirements for traffic management at the Task site	3-13
C	Requirements for the location of site facilities and roads, material storage areas, and parking spaces	14 - 16
D	Requirements for the management of earth masses	17 - 19
E	Requirements for handling the humus layer	20 - 25
F	Requirements for tree and shrub removal	26 - 31
G	Requirements for the protection of trees and shrubs not intended for removal	32 - 33
H	Requirements for securing protected natural resources	34 - 42
I	Requirements for the restoration of natural resources after construction	43 - 48
J	Requirements for preventing environmental pollution (including reducing emissions to the environment)	49 - 63
F	Requirements for waste and wastewater treatment	64 - 69
L	Requirements for the protection of human health and safety	70-78
M	Requirements for extraordinary environmental hazards	79 - 82
N	Requirements for the conservation of cultural artefacts	83-87
O	Requirements for contractor's personnel involved in the EMP implementation	88 - 93
P	Requirements for reporting the implementation of the EMP	94 - 97
R	Particular requirements of the World Bank's ES policies	98 - 106
S	Guidelines on the course of action in the event of a state of epidemiological threat or epidemic being announced in the course of works	107

## **2.2. CONDITIONS SPECIFIED IN APPENDIX 2 TO THE EMP**

Appendix 2 to the EMP sets out a series of monitoring measures the Task Contractor is obliged to implement. These measures were prepared on the basis of the conditions contained in the works notification and applicable administrative decisions issued for the Task, in addition to the additional conditions established at the stage of EMP preparation. Monitoring measures listed in Appendix 2 to the EMP, item 1-111, include monitoring the implementation of mitigation measures listed in Appendix 1 to the EMP. The monitoring measures detailed in Appendix 2 to the EMP are allocated to the individual measure groups as indicated above.

In addition, items 108-111 set out the requirements for conducting environmental monitoring during the Task implementation period.



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The table of monitoring measures specifies, among other things, where, how, when, and how often monitoring will be carried out, as well as who is responsible for its implementation.

### **3. SYSTEM OF SUPERVISION OVER THE IMPLEMENTATION OF MEASURES SPECIFIED IN THE EMP FOR CONTRACT 1B.5/3**

Supervision over the implementation of mitigation and monitoring measures specified in the EMP for Contract 1B.5/3 was carried out at the level of all organizational units participating in the implementation of the Contract, i.e., the Contractor, Engineer, Project Implementation Unit (PIU), and Project Coordination Unit.

In addition, monthly meetings were held during the Contract period to discuss and review the implementation of the mitigation and monitoring measures from the EMP. Current requirements and problems related to the implementation of the measures defined in the EMP were also discussed during the monthly Construction Council Meetings. All meetings were attended by representatives of the Contract Engineer, the Employer (Project Implementation Unit), the Contractor, and the Project Coordination Unit. At the same time, during the execution of the Contract, there was ongoing monitoring of the correctness of the implementation of the various measures through regular inspections by the Engineer, the Engineer's environmental supervision team, and the Engineer's OHS supervision team at the construction site. Notes and reports from the various inspections were prepared, as was photographic documentation of the site, and sample photographs are included in Appendix 2 to this report. During field inspections and working meetings with the Contractor, ongoing measures were discussed, steps to be taken were identified, and ongoing recommendations were made. Recommendations were also communicated to the Contractor on a regular basis through ongoing correspondence and verification of the documentation provided by the Contractor. Supervision was also carried out to ensure that the Contract was carried out correctly in terms of the requirements of the Contract, as well as the applicable laws and regulations, including, but not limited to, the Construction Law and the Environmental Protection Law, and the administrative decisions obtained for the purposes of the Contract.

Supervision of the implementation of the measures from the EMP included the preparation of reports in the Contractor's monthly reporting system, reviewed by the Engineer, and the Engineer's monthly reports. On the basis of the monthly reports, summary quarterly reports were prepared and submitted to the Project Implementation Unit, which was then forwarded to the Project Coordination Unit. The quarterly reports provided input to PCU reports subsequently submitted to the World Bank.

Information on the scope of operation of individual units is presented below.

#### **3.1. CONTRACTOR**

The Construction Manager was the person directly responsible for the implementation of measures specified in the EMP on behalf of the Contractor. In order to provide support to the Construction Manager in the implementation of the EMP, an EMP Coordinator and an environmental supervision team have been appointed within the Contractor's team, consisting of representatives of the following specialisations: botanist-phytosociologist (natural habitats and protected plant species), dendrologist (principles of tree care and protection), herpetologist

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(amphibians and reptiles), ornithologist (birds), mammal specialist (flightless mammals), chiropterologist (bats), entomologist (insects). The EMP Coordinator was to work on an ongoing basis with the Construction Manager, the rest of the Contractor's staff, and the environmental management expert on the Engineer's team to ensure that the conditions of the EMP were implemented, and to conduct ongoing reporting on the above. In addition, the Contractor ensured the participation of archaeological supervision experts and sapper experts, throughout the duration of the Contract, to the extent consistent with the requirements of the EMP. At the end of each month, the EMP Coordinator prepared the so-called Checklist, where the current status of implementation of individual EMP conditions in a given month was described. The Checklist was forwarded to the environmental management expert on the Engineer's team, along with relevant attachments (including but not limited to applications, environmental supervision opinions, etc.).

### **3.2. ENGINEER**

Direct supervision of the implementation of the conditions of the EMP on behalf of the Engineer's team was carried out by an environmental management expert with the Engineer's environmental supervision, working in this respect with the Resident Engineer, the supervising inspectors, and other members of the Engineer's team carrying out investor's supervision of the project. The Environmental management expert remained at all times in touch with the Construction Manager and the EMP Coordinator on the Contractor's team, establishing the scope of necessary conditions to be met at a given stage of the works, overseeing the status of implementation of individual EMP conditions, participating in the resolution of ongoing problems, and commissioning site inspections. At the end of each reporting period, the Environmental Management Expert reviewed the Contractor's environmental documentation and prepared their own reports monthly and quarterly) submitted to the Project Implementation Unit.

### **3.3. EMPLOYER/PROJECT IMPLEMENTATION UNIT [PIU]**

Direct supervision over the implementation of the EMP conditions on behalf of the Project Implementation Unit (PIU) was exercised by the Environmental Specialist, cooperating in this respect with the Head of the PIU, other members of the PIU team, as well as other organizational units of PGW WP RZGW in Szczecin. The Environmental Specialist and the Head of the PIU remained at all times in touch with the environmental management expert on the Engineer's team, overseeing the status of the implementation of the various conditions of the EMP and engaging in the resolution of ongoing issues. After the end of each reporting period (month and quarter), the Environmental Specialist and the Head of the PIU verified the current environmental documentation of the Contract and sent quarterly reports to the Project Coordination Unit.

### **3.4. PROJECT COORDINATION UNIT [PCU]**

Direct supervision over the implementation of the EMP conditions on behalf of the Project Coordination Unit was exercised by the environmental management expert, who cooperated in this respect with other members of the PCU team. The expert was at all times in touch with the Head of the PIU and the Environmental Specialist on the PIU team. At the end of each reporting period (quarter), the expert verified the environmental documentation submitted by the PIU and prepared the contribution to the PCU reports subsequently submitted to the World Bank.

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#### **4. STATUS OF IMPLEMENTATION OF MITIGATION MEASURES FROM APPENDIX 1 TO THE EMP**

In accordance with the content of Appendix 1 to the EMP for Contract 1B.5/3, the Contractor is responsible for the implementation of mitigation measures specified in items 1 to 107.

In total, the EMP for Contract 1B.5/3 provides for the implementation of 107 mitigation measures, of which 99 were implemented during the reporting period (July 2021 to November 2023) (there was no need to implement the remaining 8 measures – see below).

##### **4.1. MEASURES OF THE CONTRACTOR**

According to the information submitted in the Contractor's individual monthly reports, the measures implemented by the Contractor, included in Appendix 1, i.e., mitigation measures, were as per the following quantitative summary.

Table 3. Quantitative summary of mitigation measures carried out by the Contractor, by month, during Contract execution.

<b>Reporting period</b>	<b>Measures implemented [I]</b>	<b>Measures partially implemented [PI]</b>	<b>Measures not implemented due to a lack of necessity [N/NN]</b>	<b>Measures not implemented [N/N]</b>	<b>Measure completed [N/C]</b>
July-August 2021	1	0	75	31	0
September 2021	6	8	70	23	0
October 2021	16	13	65	13	0
November 2021	33	19	39	15	1
December 2021	33	31	36	6	1
January 2022	32	31	38	5	1
February 2022	47	22	37	0	1
March 2022	51	19	36	0	1
April 2022	55	14	37	0	1
May 2022	66	8	32	0	1
June 2022	70	6	30	0	1
July 2022	75	6	25	0	1
August 2022	73	4	28	0	2
September 2022	68	8	29	0	2

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October 2022	71	4	30	0	2
November 2022	72	7	26	0	2
December 2022	72	4	29	0	2
January 2023	66	7	31	1	2
February 2023	71	5	29	0	2
March 2023	77	2	26	0	2
April 2023	73	4	28	0	2
May 2023	74	4	26	1	2
June 2023	77	2	26	0	2
July 2023	77	3	25	0	2
August 2023	75	3	22	0	7
September 2023	74	3	23	0	7
October 2023	63	2	15	0	27
November 2023	59	2	19	0	27

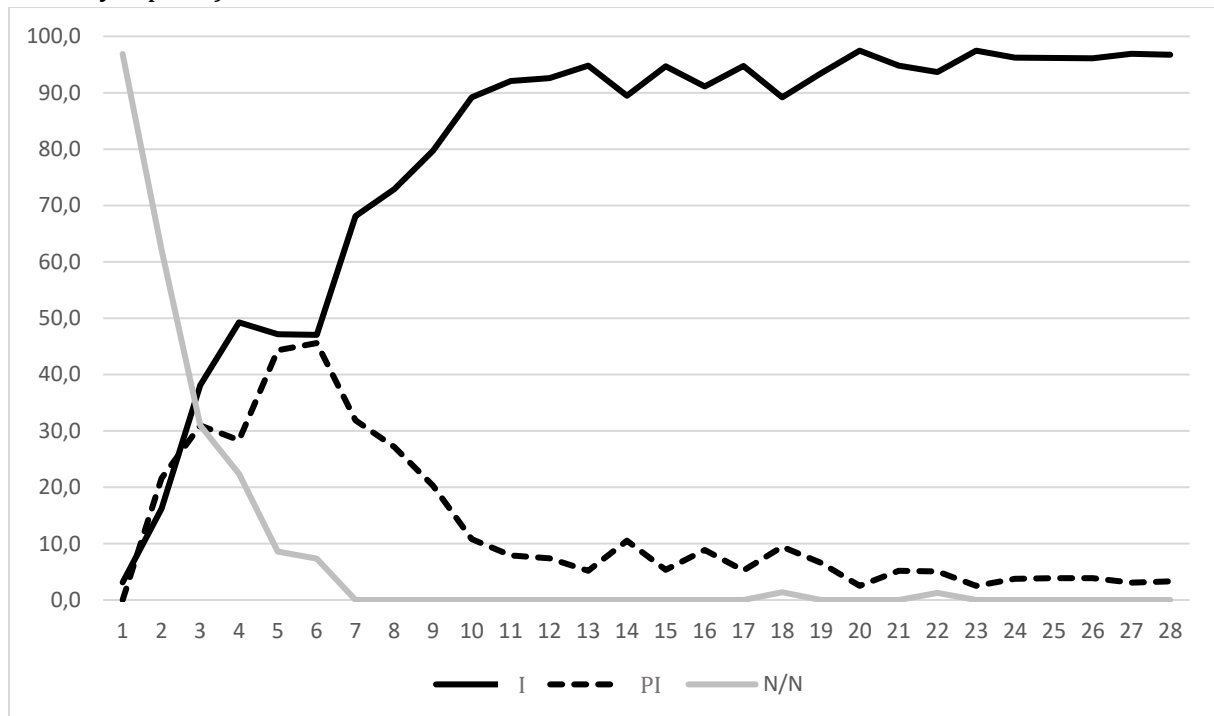
The above summary clearly shows that the implementation of the individual measures was related to the actual progress of the construction work. After the completion of the initial phase of works (with tree and shrub felling) and the start of the basic construction works, i.e., between March 2022 and September 2023, the largest number of mitigation measures was implemented. The maximum number of mitigation measures ( $R_{\max}=77$ ) was implemented in June and July 2023. In the initial phase of the Contract (July 2021 – January 2022), some of the measures were given the N/N status, which mainly referred to provisions for the preparation of the relevant documentation for the duration of the Task and the provision of an EMP coordinator and environmental, archaeological, and sapper supervision. Once the requirements were met by the Contractor, measures were implemented, except in occasional cases.

In line with the progress of the works front and the need to implement individual mitigation measures, some measures were initially implemented partially. This is particularly true for the period from November 2021 to March 2022. Once the Contractor had worked out a suitable way of implementing the measures, the number of measures carried out partially decreased significantly. It should also be emphasised that not every case of partial implementation involves a failure.

The gradual increase in the number of measures carried out in full compliance with the provisions of the EMP and the successive decrease in measures carried out incorrectly is illustrated in Figure 1.

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Figure 1. Percentage of mitigation measures required during the reporting period (1-28 - No. of monthly reports).



The mitigation measures were carried out by the Contractor with the assistance of the person acting as EMP coordinator and specialists from the Contractor's environmental team. During the reporting period, the environmental supervision team consisted of representatives of the following specialisations: botanist-phytosociologist (natural habitats and protected plant species), dendrologist (principles of tree care and protection), herpetologist (amphibians and reptiles), ornithologist (birds), mammal specialist (flightless mammals), chiropterologist (bats), entomologist (insects).

The Contractor's resources also included sapper and archaeological supervision, provided throughout the Contract. The Contractor had an Explosive Ordnance Disposal Work Plan in place and the Sapper Supervision team carried out reconnaissance and clearance of unexploded ordnance, ammunition, etc. on the construction site prior to the commencement of the works, and in the event of the need for the Sapper Supervision team to take action due to finding hazardous objects of military origin, i.e., unexploded ordnance, the supervision team took appropriate action in accordance with the procedure under item 81 of the EMP and submitted a report on the retrieval of explosive and hazardous items each time. The Archaeological Supervision Team inspected the site successively for archaeological sources and objects of potential historical significance, on which it produced an Archaeological Survey Report each time.

Mitigation measures were agreed (if required by the terms of the Contract and/or EMP) and supervised by the Engineer, with the participation of the following members of the Engineer's team: Contract Engineer's environmental management expert, Resident Engineer, and the Employer.

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#### **4.2. MEASURES OF THE ENGINEER**

According to the information presented in the monthly and quarterly reports on the implementation of measures specified in the EMP, during the reporting period, the Engineer implemented 1 (1%) mitigation measure (in cooperation with the Contractor and the Employer – item 95 regarding monthly EMP meetings).

During the reporting period, monthly EMP meetings were held from August 2021 until September 2023, when the construction works were completed. There was no need for the above measure in October-November 2023.

#### **4.3. MEASURES OF THE EMPLOYER**

According to the information presented in the monthly and quarterly reports on the implementation of measures specified in the EMP, during the reporting period, the Employer implemented 1 (1%) mitigation measure (in cooperation with the Contractor and the Engineer – item 95 regarding monthly EMP meetings).

During the reporting period, monthly EMP meetings were held from August 2021 until September 2023, when the construction works were completed. There was no need for the above measure in October-November 2023.

#### **4.4. ISSUES RELATED TO THE IMPLEMENTATION OF MITIGATION MEASURES FROM APPENDIX 1 TO THE EMP**

According to the information presented in the monthly and quarterly reports on the implementation of measures specified in the EMP, the following problems and/or irregularities related to the implementation of the 68 mitigation measures from Appendix 1 to the EMP for Contract 1B.5/3 were identified during the reporting period (in order according to the item numbers in Appendix 1 to the EMP).

Most of the irregularities related to the delay in the implementation of the EMP mitigation measures due to the delay in the start of the construction works or referred to formal failures during the initial period of the Task. For all failures, the Engineer communicated the need to rectify them in ongoing correspondence and during PAP meetings and working discussions. In subsequent periods, measures were generally implemented in accordance with the provisions of the EMP. As a result of the failures, the Engineer found no significant adverse effects on the environment, safety, or the performance of the Contract.

A summary of the individual mitigation measures with a description of the status of their implementation over the term of the Contract is provided in Appendix 1 to this report – *Part I. Checklist for the implementation of mitigation measures listed in Appendix 1 to the EMP for Contract 1B.5/3.*

Measures identified as not implemented [N/N] for the period July 2021 – November 2023 (measures not implemented are presented in the order assigned to the individual items in the EMP):

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- **Item 2 (July-August 2021) – EMP conditions regarding the measures to be implemented prior to the commencement or at the initial stage of the works**  
The wording of the provisions of this item conditions the possibility of granting R status once all the requirements listed in the provision have been met, i.e., items 3-13, 14-16, 20-25, 26-33, 34, 39-42, 43, 61, 63, 64, 68, 70-72, 73, 74, 77, 78, 79, 82, 83, 86, 88, 89, 90, 91, 92, 93, 100, 102, 105. For this reason, in the first monthly report, the task was deemed not to have been implemented, as the Contractor had not fulfilled the conditions of the EMP specified in the aforementioned items required from the beginning of the Contract. Subsequently, the measure was partially implemented in some periods (see below). No significant adverse effects on the environment, safety, or the performance of the Contract have been identified due to the failure.
  
- **Item 3 – September-October 2021 – Access to the Task area should be determined based on existing roads**  
The implementation of the measure started late in relation to the Contract commencement date due to the delay in the construction works. The measure was initially given a not implemented status for formal reasons (no access roads agreed). Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
  
- **Item 4 – July-October 2021 – Drawing up a traffic arrangement and site security plan**  
The implementation of the measure started late in relation to the Contract commencement date due to the delay in the construction works. The measure was initially given the not implemented status due to formal reasons (traffic arrangement and site security plan not drawn up). Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
  
- **Item 5 – July-October 2021 – Agreeing the traffic arrangement plan with the Road Administration Authorities and implementing the traffic arrangement**  
The implementation of the measure started late in relation to the Contract commencement date due to the delay in the construction works. The measure was initially not implemented due to formal reasons (traffic arrangement plan not agreed with the Road Administration Authorities). Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
  
- **Item 6 – July-October 2021 – Submitting the traffic arrangement and site security plan agreed with the Road Administration Authority and traffic management body to the Engineer for approval**  
The implementation of the measure started late in relation to the Contract commencement date due to the delay in the construction works. The measure was initially not implemented for formal reasons (no documentation submitted to the Engineer for approval). Subsequently, the measure was partially implemented in some periods (see below). This circumstance

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remained without any actual negative impact on the environment or the execution of the Contract.

- Item 7 – November 2021 - January 2022 – the Contractor shall ensure that all access routes to the Task area are properly marked  
The implementation of the measure started late in relation to the Contract commencement date due to the delay in the construction works. The measure was not implemented during the initial period due to the inability to approve proper signage for the access roads. This circumstance remained without any actual negative impact on the environment or the execution of the Contract. In subsequent periods, the measure was being implemented in accordance with the EMP.
- Item 12 – July-September 2021 – Relates to the preparation of photographic documentation of the entire Task area and access roads  
The implementation of the measure started late in relation to the Contract commencement date due to the delay in the construction works. The measure was not implemented during the initial period (no photographic documentation was prepared). Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 13 – July-October 2021 – Prior to commencing the works, the Contractor shall carry out site visits in the presence of the Road Administration Authorities, which will result in the preparation of protocols on the condition of the access roads  
The implementation of the measure started late in relation to the Contract commencement date due to the delay in the construction works. The measure was not implemented during the initial period (no site visit carried out). Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 14 – July-September 2021 – Obligation to provide site facilities, roads, material storage areas, and parking spaces  
The implementation of the measure started late in relation to the Contract commencement date due to the delay in the construction works. The measure was not implemented during the initial period when no works were carried out. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 15 – July-September, November 2021 – Conditions for choosing the location of site facilities, material storage areas, and parking spaces  
The measure was not implemented during the initial period of the Contract when no construction works were carried out and subsequently in the absence of arrangements for additional facilities. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.



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- Item 34 – July-September 2021 – *One-off wildlife inventory of the Task site* before the commencement of works  
Measure not implemented during the initial period of the Contract due to the delay in hiring environmental supervision. Following the employment of appropriate supervision, the aforementioned inventory was completed and submitted in October 2021. In connection with the failure, the Engineer has found no significant adverse effects on the environment and the performance of the Contract.
- Item 38 – November 2021 – The Contractor shall submit the obtained derogation decisions to the Engineer  
The one-off measure was not implemented. The RDOŚ decision obtained in November 2021 was submitted to the Engineer in the following reporting period (December 2021). In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 46 – May 2023 – Ensuring that restored green spaces are properly maintained  
Measure implementation started in June 2023 with a delay in relation to the watering requirement once the reclamation works commenced, hence the item was given a N/N status in May 2023. Subsequently, the measure was partially implemented in some periods (see below).  
The final acceptance protocol showed a defect regarding the incorrect execution of the grass sowing works for the section Warta – bridge over Suchodół on the south side of the embankment. Failure removal date – 31.07.2024.
- Item 54 – November 2021 – January 2022 – Parking rules for construction and transport equipment  
Measure not implemented during the initial period of the Contract due to the Contractor's failure to submit a Site Arrangement Plan and to formally agree vehicle parking areas. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 55 – November-December 2021 – Provision of spill neutralisation agents  
Measure not implemented during the initial period of the Contract due to the inability of the Engineer to accept the site facilities and the lack of a stationary sorbent station. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 63 – November 2021 – Paving the site facilities and temporary roads  
Measure not implemented during the initial period of the Contract due to the delay in the organisation of the site facilities. Subsequently, the measure was partially implemented in

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some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.

- **Item 64 – July-September 2021 – Preparation of a Waste Management Plan**  
Measure not implemented during the initial period of the Contract due to the delay in the execution of the works and the Contractor's failure to prepare a Waste Management Plan. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- **Item 66 – November 2021 – January 2022 – Rules for handling hazardous waste**  
Measure not implemented during the initial period of the Contract due to the Contractor's failure to ensure proper handling of hazardous waste (no hazardous waste container). Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- **Item 68 – November 2021 – Rules for handling domestic wastewater**  
Measure not implemented during the initial period of the Contract due to the delay in the execution of the works and the Contractor's failure to provide sanitary facilities during the felling works. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- **Item 69 – July-September 2021 – Prevention of illegal waste deposits**  
Measure not implemented in the initial period of the Contract due to the delay in the execution of the works – no reconnaissance of the Task area for the presence of illegal waste deposits. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- **Item 70 – July-August 2021 – Preparation of an Occupational Health and Safety Plan**  
Measure not implemented during the initial period of the Contract due to the delay in the execution of the works – no OHS plan prepared. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 71 – July-November 2021 – Preparation of a Site Arrangement Plan**  
Measure not implemented during the initial period of the Contract due to the Contractor's failure to submit the aforementioned Plan. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.

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- **Item 72 – September-November 2021 – Informing the Contractor's staff about the ES Code of Conduct**  
Measure not implemented during the initial period of the Contract due to the failure to prepare the aforementioned Code and inform the Contractor's staff. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 73 – July-September 2021 – Fencing off or marking the construction site with signs**  
Measure not implemented during the initial period of the Contract due to delayed works and lack of site signage. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 74 – July-August 2021, January 2022 – Supervision of the Task site by sappers**  
Measure not implemented during the initial period of the Contract due to the delay in the execution of the works – no sapper supervision was initially employed. In addition, on one occasion in January 2022, sapper supervision did not inspect the site during the works. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on safety or the execution of the Contract.
- **Item 76 – November 2021 – Provision of leakproof sanitary facilities**  
Measure not implemented during the initial period of the Contract due to the delay in the execution of the works and the Contractor's failure to provide sanitary facilities. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- **Item 77 – November 2021 – Training staff in maintaining appropriate conditions of hygiene and cleanliness**  
Measure not implemented during the initial period of the Contract due to the delay in the execution of the works and the lack of training of the Contractor's staff. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 79 – July 2021 – January 2022 – Principles of conduct in connection with the risk of flooding**  
Measure not implemented during the initial period of the Contract due to the delay in the execution of the works and the Contractor's failure to prepare a Flood Protection Plan. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.

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- Item 82 – July-September 2021 – Principles of conduct in connection with the spillage of petroleum substances  
Measure not implemented during the initial period of the Contract due to the delay in the execution of the works and the failure to submit the Spillage Prevention Procedure. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 86 – July-September 2021, November-December 2021 – Conducting archaeological surveys in the area of earthworks within the Kostrzyn Fortress  
Measure not implemented during the initial period of the Contract due to the delayed start of the works and initially the lack of provision of archaeological supervision. In addition, no information on advance archaeological surveys was submitted. The Contractor provided an archaeological supervision team in accordance with the requirements of the EMP and completed information regarding archaeological surveys as directed by the Engineer. In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
- Item 87 – July-September 2021 – Protection of objects entered in the register of historic monuments and included in the voivodeship list of monuments  
Measure not implemented during the initial period of the Contract due to the delay in the start of the works and the failure to ensure the participation of an archaeological supervision team. The Contractor then provided appropriate supervision as directed by the Engineer. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 88 – October 2021– Training of the Contractor’s personnel in EMP implementation  
Measure not implemented during the initial period of the Contract due to lack of adequate training during the initial period of the Contract. Subsequently, the Contractor's personnel were trained in EMP implementation. Follow-up training was also provided for new staff. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 89 – July-August 2021 – Appointment of an EMP coordinator to the Contractor's team  
Measure not implemented during the initial period of the Contract due to the failure to employ an EMP coordinator. Once an EMP coordinator was employed, the measure was implemented according to the provisions of the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 90 - July-August 2021 – Ensuring the participation of the Contractor’s environmental supervision team

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Measure not implemented during the initial period of the Contract due to the failure to employ environmental supervision. Once environmental supervision was employed, the measure was implemented according to the provisions of the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.

- Item 91 – July-August 2021 – Tasks of the Contractor's environmental supervision team  
Measure not implemented during the initial period of the Contract due to the failure to employ environmental supervision. Once environmental supervision was employed, the measure was implemented according to the provisions of the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 92 – July-August 2021 – Ensuring the participation of a sapper supervision team  
Measure not implemented during the initial period of the Contract due to the failure to employ sapper supervision. Once the sapper supervision was employed, the measure was implemented in accordance with the provisions of the EMP, with the exception of isolated cases of partial implementation (see below). This circumstance remained without any actual negative impact on safety or the execution of the Contract.
- Item 93 – July-August 2021 – Ensuring the participation of an archaeological supervision team  
Measure not implemented during the initial period of the Contract due to the failure to employ archaeological supervision. Once the archaeological supervision was employed, the measure was implemented in accordance with the provisions of the EMP, with the exception of one case of partial implementation (see below). This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 94 – July-August 2021 – Reporting the status of implementation of the EMP in monthly reports  
Measure not implemented during the initial period of the Contract due to failure to submit the first EMP Report on time (documentation was submitted after the deadline). In other periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
- Item 96 – July-September 2021 – Reports of the Contractor's environmental supervision team  
Measure not implemented during the initial period of the Contract due to the failure to employ environmental supervision. On one occasion, environmental supervision did not submit reports on its work on time. The Contractor employed appropriate supervision and the documentation was completed. In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
- Item 97 – January 2023 – Preparation of reports to be submitted to environmental protection authorities in accordance with the terms of derogation decisions

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On one occasion, the measure was not implemented on time. A report was submitted to RDOŚ in the following period (February 2023). In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.

- **Item 98 – July-October 2021 – Contractor's responsibility for ES compliance**  
Measure not implemented during the initial period of the Contract due to the Contractor's failure to prepare the ES Code and inform staff about it. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 100 – July-September, November 2021 – Raising awareness about the prevention of sexual harassment and mobbing**  
Measure not implemented in the initial period of the Contract – no training and awareness raising programme regarding the above. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 101 – October 2021 – Reporting cases of sexual harassment and mobbing**  
Measure not implemented during the initial period of the Contract due to the lack of submission of a format for a book of complaints and requests regarding harassment and mobbing, which is a prerequisite for reporting cases in this area. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 102 – July-October 2021 – Allowing the submission of complaints and requests by personnel involved in the Task**  
Measure not implemented during the initial period of the Contract – the draft information leaflet and the format of the book of complaints and requests were not submitted. Subsequently, the measure was partially implemented in some periods (see below). This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 105 – July-October 2021 – Contractor's OHS supervision**  
Measure not implemented during the initial period of the Contract in terms of providing health and safety supervision due to the delay in the construction works. The measure was then partially implemented for one month (see below). This circumstance remained without any actual negative impact on safety or the execution of the Contract.
- **Item 106 – July-August 2021 – The Contractor must apply and observe all labour law provisions applicable in Poland, in particular all the provisions of the Labour Code, and comply with the ES Code of Conduct.**  
Measure not implemented during the initial period of the Contract in terms of following the ES Code due to the delay in the construction works. In subsequent periods, the measure was being

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implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment, safety, or the performance of the Contract.

Measures identified as partially implemented [PI] for the period July 2021 – October 2023 (measures presented in the order assigned to the individual items in the EMP):

- Item 1 – September-October 2021 – *EMP conditions regarding the deadlines for carrying out the works*  
Measure partially implemented during the initial period of the Task due to scheduling arrangements. The PI status was granted due to the ongoing process of document approval. The Contractor took into account the conditions of the EMP regarding the timing and duration of the works. Once the schedule was accepted, the measure was implemented in accordance with the provisions of the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 2 – September 2021 – June 2022 – *EMP conditions regarding measures to be implemented prior to the commencement or at the initial stage of works*  
The wording of the provisions of this item conditions the possibility of granting R status once all the requirements listed in the provision have been met, i.e., items 3-13, 14-16, 20-25, 26-33, 34, 39-42, 43, 61, 63, 64, 68, 70-72, 73, 74, 77, 78, 79, 82, 83, 86, 88, 89, 90, 91, 92, 93, 100, 102, 105. For this reason, the measure was identified as partially implemented until the Contractor fulfilled all the provisions of the various above-mentioned items of the EMP, i.e., included all the conditions of the EMP regarding the measures to be implemented prior to the commencement of the works or at the initial stage of works.  
In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- Item 3 – November 2021 – January 2022 – *Access to the Task area should be determined based on existing roads*  
The measure was partially implemented until the Contractor met the formal conditions regarding the use of access roads to the Task area. Access to the Task site was based on existing roads. In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
- Item 4 – November 2021 – January 2022 – *Drawing up a traffic arrangement and site security plan*  
The measure was partially implemented in the period between the submission of the aforementioned Plan and its approval. A traffic arrangement and site security plan was drawn up by the Contractor and approved by the Engineer. In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment, safety, or the performance of the Contract.

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- **Item 5 – November 2021 – January 2022 – Agreeing the traffic arrangement plan with the Road Administration Authorities and implementing the traffic arrangement**  
The measure was implemented partially between the submission of the aforementioned Plan and its agreement and implementation of traffic arrangement. The plan was agreed with the Road Administration Authorities and properly implemented. In other periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment, safety, or the performance of the Contract.
- **Item 6 – October 2021 – January 2022 – Submitting the traffic arrangement and site security plan agreed with the Road Administration Authority and traffic management body to the Engineer for approval**  
The measure was partially implemented during the period between the submission of the aforementioned Plan and its acceptance by the Engineer. The Engineer reviewed the documentation and made comments. In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment, safety, or the performance of the Contract.
- **Item 8 – December 2021 – Applies to the maintenance of paved surfaces in good condition**  
On one occasion, the item received PI status due to the inadequate condition of a section of road on the railway embankment. The dirt road was not properly paved and heavy equipment traffic left ruts. The Contractor remedied the failure by paving the road following the Engineer's recommendation.  
In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- **Item 12 – November 2021 – January 2022 – Applies to the preparation of photographic documentation of the entire Task area and access roads**  
The measure was implemented partially until the Contractor fulfilled the formal requirements for the preparation of photographic documentation, i.e., until the acceptance of the protocol on the condition of the access roads, to which the aforementioned photographic documentation was appended.  
In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the performance of the Contract.
- **Item 13 – November 2021 – January 2022 – Prior to commencing the works, the Contractor shall carry out site visits in the presence of the Road Administration Authorities, which will result in the preparation of protocols on the condition of the access roads**  
The measure was partially implemented until the Contractor fulfilled the formal requirements for the preparation and signing of access road condition protocols by the relevant parties. Once the protocols were signed, the measure was implemented in accordance with the provisions of



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the EMP. As a result of the failure, the Engineer found no significant adverse effects on the performance of the Contract.

- Item 14 – October 2021 – May 2022) – Obligation to provide site facilities, roads, material storage areas, and parking spaces

The measure was partially implemented until the Contractor completed the formal requirements for the Site Arrangement Plan, i.e., until the Engineer accepted the aforementioned Plan. The Contractor constructed the site facilities in accordance with the terms of this item.

In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.

- Item 15 – October 2021 – August 2023 – Conditions for choosing the location of site facilities, material storage areas, and parking spaces

With the Engineer's approval, the measure was implemented partially due to it being physically impossible to locate the site facilities and the subcontractor's facilities within 50 m of bodies of water and riverbanks. The Contractor complied with the conditions imposed by the Engineer regarding the use of the above facilities. The measure had PI status until the abovementioned facilities were decommissioned.

In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the partial implementation of the measure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.

- Item 20 – September – December 2022 – Collection, storage, and use of the humus layer

The item was given PI status due to the failure to properly store the humus pile in a location and manner not approved by the Engineer. At this time, the topsoil on the Task site was collected and tested for organic content. A negative result was received – the soil from the task site did not meet the quality requirements. For this reason, humus of suitable quality was brought in from outside the site.

In other periods, there was no need to implement the measure. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.

- Item 23 – September-November 2022 – Securing the stored humus heaps

During the period in question, the topsoil on the Task site was collected and the aforementioned soil was stored in a heap. The failures related to the lack of proper signs and protection of the pile. Until the results of tests for organic content were received, the earth material was treated as potential humus. A negative result was received – the soil from the task site did not meet the quality requirements (see also item 20).

In other periods, there was no need to implement the measure. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.

- Item 26 – July-August 2022 – Permissible dates for felling trees and shrubs outside the bird breeding season, i.e., between 15 October and 1 March

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The item was partially implemented during the bird breeding season due to follow-up tree felling. The felling was carried out with the consent of the Engineer, in accordance with the terms of the EMP and the felling permit. An expert ornithologist carried out an inspection of the trees before the felling was carried out. Environmental supervision was carried out during the felling. The partial implementation of this measure was not a failure.

- **Item 28 – November 2021 – January 2022 – Minimising the extent of tree and shrub removal**  
The measure was not implemented in the part concerning the submission of the Inventory of the extent of felling and obtaining the Engineer’s approval for the aforementioned document. Tree and shrub felling was carried out correctly, i.e., limited to the necessary minimum. Once the Inventory of the extent of the felling had been accepted, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
  
- **Item 32 – January-May 2022, January-February 2023, April-May 2023 – Carrying out works within the area of trees not intended for removal**  
The failures mainly related to the inadequate condition of the trunk shields and the storage of materials in the tree crown projection area due to the severely restricted area of facilities. The Contractor continuously repaired the trunk shields and limited the time for storing materials near trees as far as possible.  
In other periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
  
- **Item 33 – January, September-November 2022, February, April-May, September 2023 – Protection of damaged trees**  
The failures mainly concerned the delay in taking care measures for the trees after damage. The damage was not serious, mainly consisting of broken branches, spot damage to the bark or temporary burying of root crown. The care measures were taken in accordance with the recommendations of an expert dendrologist. The opinion of the environmental supervision as to the correctness of the implemented measures was communicated to the Engineer in each case.  
In other periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
  
- **Item 37 – February 2023 – Obtaining administrative decisions required by law to authorise derogations from bans applicable to protected species**  
The one-off measure was identified as PI due to an advance application to RDOŚ for catching and moving amphibians prior to the start of the migration season. The measure was not implemented in the part concerning the carrying out of construction works during the amphibian migration period. The partial implementation of this measure was not a failure.

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- Item 41 – December 2021, January-February, April 2022, January 2023 – Protection of natural habitats  
Failures included spot damage to the forest net separating protected habitats from the construction site. The Contractor carried out net repairs on an ongoing basis. There were no negative impacts on patches of protected habitats during the works.  
In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 42 – February-September 2022, February-August 2023 – Protection of amphibians  
Failures included spot damage to herpetological fences separating potential amphibian habitats from the construction site. The Contractor carried out fence repairs on an ongoing basis and carried out herpetological monitoring.  
In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 43 – July 2023 – Cleaning up the site on completion of the works  
On one occasion, an item was given PI status due to a failure to submit information to the Engineer regarding where demolition materials were stored. Once the formalities were completed, the measure was implemented in accordance with the provisions of the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 45 – August-November 2023 – Carrying out treatments to support the restoration of green spaces (including grass sowing)  
Despite the recommendations from the field inspections of the environmental expert of the Engineer's team and the recommendations of the expert botanist of the environmental supervision, the Contractor did not provide effective care measures on part of the site. As a result, the turfing on the south-facing part of the slopes where sowing was carried out does not meet the requirements of the Technical Specification. The measure was suspended in November 2023, due to the end of the growing season.  
The final acceptance protocol showed a defect regarding the incorrect execution of the grass sowing works for the section Warta – bridge over Suchodół on the south side of the embankment. Failure removal date – 31.07.2024.
- Item 46 – August-November 2023 – Ensuring that restored green spaces are properly maintained  
Despite the recommendations from the field inspections of the environmental expert of the Engineer's team and the recommendations of the expert botanist of the environmental supervision, the Contractor did not provide effective care measures on part of the site, with the result that the turfing on part of the south-facing slopes does not meet the requirements of the Technical Specification. The measure was suspended in November 2023, due to the end of the growing season.

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The final acceptance protocol showed a defect regarding the incorrect execution of the grass sowing works for the section Warta – bridge over Suchodół on the south side of the embankment. Failure removal date – 31.07.2024.

- Item 47 – June-July, November 2022 – Implementing green space restoration measures under the supervision of a botanist-phytosociologist  
Item identified as PI due to the advance measure of environmental supervision in making a recommendation prior to the commencement of green space restoration works. The measure was implemented within the scope agreed with the Engineer, not implemented in terms of execution of the works and supervision of the works. The partial implementation of this measure was not a failure.
- Item 51 – December 2021 – January 2022 – Prevention of contamination with petroleum substances  
The item was given PI status due to the lack of a stationary sorbent station during the initial phase of the construction works. The Contractor provided a sorbent station following the Engineer's recommendations. There was no pollution of the environment by petroleum substances. Once the failure had been remedied, the measure was implemented in accordance with the provisions of the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 53 – December 2021 – January 2022 – Rules for refuelling vehicles, machinery and equipment  
The item was given PI status due to the lack of a stationary sorbent station during the initial phase of the construction works. The Contractor provided a sorbent station following the Engineer's recommendations. Once the failure had been remedied, the measure was implemented in accordance with the provisions of the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 54 – February-April 2022 – Parking rules for construction and transport equipment  
The implementation of the item was identified as partial due to the failure to obtain approval of the Site Arrangement Plan and the lack of formal agreement for vehicle parking, i.e., from the time of submission of the aforementioned Plan until it was agreed. As a result, vehicles were parking in areas not agreed with the Engineer. The vehicle and machinery parking areas ensured the protection of the ground and water environment in accordance with the EMP criteria.  
In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 55 – January 2022 – Provision of spill neutralisation agents  
The measure was implemented partly due to the lack of a stationary sorbent station during the initial phase of the works. Spill neutralisation agents were stored directly on the construction machinery. The Contractor provided a sorbent station following the Engineer's

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recommendations. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.

- Item 63 – December 2021 – April 2022 – Paving the site facilities and temporary roads.  
The implementation of the item was identified as partial due to the delay in the organisation of site facilities, i.e., from the submission of the site facilities organisation plan to the agreement of the Site Arrangement Plan. The construction site was paved in accordance with the requirements of the EMP.  
In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 64 – October 2021 – June 2022 – Preparation of a Waste Management Plan  
The implementation of the items was identified as partial in the period between the submission of the above Plan and its agreement with the Engineer. The Engineer reviewed the documentation and made comments. Waste management was carried out properly. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 65 – November 2021 – June 2022, August-September, November-December 2022, January 2023 – Rules for handling waste  
The failures related mainly to the failure to submit waste records to the Engineer during the initial period of the Task and the littering of the site, especially site facilities. During the course of the contract, the Contractor improved site clean-up by following the Engineer's recommendations. In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 66 – February-March 2022 – Rules for handling hazardous waste  
The implementation of the item was identified as partial from the time the Contractor provided a container for used sorbent until the construction site was equipped with a container for the remaining hazardous waste. In subsequent periods, the item was partially implemented several times due to improper handling of hazardous waste (improper condition of the waste container). The Contractor provided a suitable container following the Engineer's recommendations.  
In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 68 – December 2021 – April 2022 – Rules for handling domestic wastewater  
Implementation of the item was identified as partial from the setting up of the portable Toi-Toi toilets during the mobilisation of site facilities for the formal agreement of the facilities by the

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Engineer. In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.

- **Item 69 – October 2021 – Prevention of illegal waste deposits**  
The Contractor inspected the site for illegal waste deposits, but the measure was not implemented in terms of marking the site. No-trespassing signs were installed in November 2021. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- **Item 70 – September-October 2021 – Preparation of an Occupational Health and Safety Plan**  
The implementation of the item was identified as partial from the submission of the OHS Plan by the Contractor to its acceptance by the Engineer. The Engineer reviewed the documentation and made comments. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- **Item 71 – December 2021 – April 2022 – Preparation of a Site Arrangement Plan**  
Completion of the item was identified as partial from the time of submission of the Contractor's site facilities organisation plan to the time of agreement of the Site Arrangement Plan. The Site Arrangement Plan was prepared by the Contractor and approved by the Engineer. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 72 – December 2021 – January 2022 – Informing the Contractor's staff about the ES Code of Conduct**  
The implementation of the item was identified as partial from the time the employees were informed about the Code until the Code was made available at the Construction Site Office and at the Contractor's Office. The Contractor's staff were informed about the ES Code of Conduct, which was made available per the Engineer's recommendation. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.
- **Item 73 – October 2021 – Fencing off or marking the construction site with signs**  
The implementation of the item was identified as partial in the initial stage of the works, as the Contractor informed the Engineer that it planned to carry out the construction site marking after the completion of the felling works (hence the item was given the PI status as a failure). In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on the environment, safety, or the execution of the Contract.

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- Item 74 - September, October, December 2021, February-May 2022, January 2023 – Supervision of the Task site by sappers  
The implementation of the item was identified as partial due to the fact that the implementation of the sapper survey of the site prior to the commencement of works was divided into stages (first survey prior to tree and shrub felling, second survey after the felling) and the lack of regular submission of sapper supervision documentation by the Contractor. The Contractor ensured that a sapper survey was carried out and documentation completed following the Engineer's recommendations.  
In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on safety or the execution of the Contract.
- Item 76 – December 2021 – January 2022 – Provision of leakproof sanitary facilities  
The implementation of the item was identified as partial when the Contractor set up portable Toi-Toi toilets temporarily outside the construction site. In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
- Item 77 – December 2021 – January 2022 – Training staff in maintaining appropriate conditions of hygiene and cleanliness  
The implementation of the item was identified as partial from the time the Contractor informed the employees of the need to maintain appropriate conditions of hygiene until proper training was provided. In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
- Item 78 – September 2021 – March 2022 – Principles of infectious disease prevention  
Measure partially implemented during the initial phase of the Task when the Covid-19 employee health monitoring measure was implemented. Following the implementation of the infectious disease awareness programme, the measure was implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on safety or the performance of the Contract.
- Item 79 – February 2022 – Principles of conduct in connection with the risk of flooding  
The implementation of the item was identified as partial from the submission of the Flood Protection Plan by the Contractor for approval. The Engineer reviewed the documentation and made comments. In subsequent periods, the measure was being implemented in accordance with the EMP. No flooding occurred during the contract. As a result of the failure, the Engineer found no significant adverse effects on the environment, safety, or the performance of the Contract.
- Item 81 – November 2022, January 2023 – Rules of handling unexploded ordnance  
On two occasions, the item was identified as PI when the measure was not implemented in terms of following the procedure for notifying the competent parties of finding hazardous

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materials of military origin. In other periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on safety or the performance of the Contract.

- Item 82 – October 2021 – June 2022 – Principles of conduct in connection with the spillage of petroleum substances  
The implementation of the item was identified as partial from the time the Contractor submitted the Spillage Prevention Procedure until the final revision was accepted by the Engineer.  
In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment or the performance of the Contract.
- Item 83 – September-December 2021 – Ensuring the participation of an archaeological supervision team  
Measure partially implemented during the initial period of the Task. The failure concerned formal deficiencies – the failure to submit information on advance archaeological surveys and ongoing archaeological supervision work. Once the formalities were completed, the measure was implemented in accordance with the provisions of the EMP. This circumstance remained without any actual negative impact on the environment or the execution of the Contract.
- Item 92 – September 2021, January-February 2022 – Providing a sapper's supervision team  
The implementation of the item was identified as partial due to the sapper supervision team approval process (September 2021), a one-off failure to complete the supervision (January 2022) and a failure to complete the sapper supervision documentation (February 2022). The Contractor remedied the failures in accordance with the Engineer's recommendations – ensuring the participation of a sapper supervision team and the work of the sapper team and completing the documentation.  
In other periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on safety or the execution of the Contract.
- Item 93 – September 2021 – Ensuring the participation of an archaeological supervision team  
The implementation of the item was identified as partial due to the archaeological supervision team approval process. The Contractor remedied the failure in accordance with the Engineer's recommendations – ensuring the participation of an archaeological supervision team.  
In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on safety or the execution of the Contract.
- Item 98 – November 2021 – March 2022 – Contractor's responsibility for ES compliance  
The implementation of the item was identified as partial until the Contractor complied with all the requirements of the ES Code, such as Covid-19 prevention, training staff in harassment and



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bullying prevention, training staff in HIV/AIDS prevention, implementation of measures to address environmental and social risks related to the Task.

In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on the environment, safety, or the performance of the Contract.

- Item 99 – January-March 2022 – Prevention of sexual harassment and mobbing

During the period in question, some measures were implemented: staff training, providing the opportunity to submit complaints and requests, making available the ES Code and an information leaflet on workers' right to safe working conditions. Until the implementation of an awareness-raising programme for the above, the measure was identified partially implemented.

In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on safety or the performance of the Contract.

- Item 100 – October, December 2021, January-March 2022 – Raising awareness about the prevention of sexual harassment and mobbing

The implementation of the item was identified as partial until the Contractor fulfilled all the requirements of this item, i.e.: training staff in harassment and bullying prevention, implementation of measures to address environmental and social risks related to the implementation of the Task.

In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on safety or the performance of the Contract.

- Item 101 – November-December 2021 – Reporting cases of sexual harassment and mobbing

The implementation of the item was identified as partial until the provisions of this item were implemented: submitting a format for complaints and requests and informing staff of the possibility of submitting complaints and requests regarding the subject.

In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on safety or the performance of the Contract.

- Item 102 – November-December 2021 – Allowing the submission of complaints and requests by personnel involved in the Task.

The implementation of the item was identified as partial until the provisions of this item were implemented: submitting a format for complaints and requests and informing staff of the possibility of submitting complaints and requests regarding the subject.

In subsequent periods, the measure was being implemented in accordance with the EMP. As a result of the failure, the Engineer found no significant adverse effects on safety or the performance of the Contract.

- Item 105 – November 2021 – Contractor's OHS supervision

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The implementation of the item was identified as partial in the initial period of the contract. The measure was implemented in terms of providing continuous health and safety supervision, but the Contractor's staff did not receive adequate training.

Following staff training on health and safety, the measure was implemented in accordance with the EMP. This circumstance remained without any actual negative impact on safety or the execution of the Contract.

- Item 107 – November 2021 – March 2022 – Rules of conduct during a state of epidemiological threat or epidemic

Measure implemented in terms of providing personal protective equipment on site, implementing the recommendations of the sanitary services, cooperating with the Employer and the Engineer. Until the appointment of a person responsible for matters relating to health and safety rules during the epidemic period, the item was identified as partially implemented. In subsequent periods, the measure was being implemented in accordance with the EMP. This circumstance remained without any actual negative impact on safety or the execution of the Contract.

Other measures were being implemented correctly or there was no need for them.

Three measures, i.e., from items 46, 47, and 100 of Appendix 1 to the EMP, were given the status of completed, despite the provisions for continuing the implementation of the measure during the Defect Notification Period.

Measures 46 and 47 concern *ensuring that the restored green spaces are properly cared for (until the end of the Defect Notification Period) under the supervision of an expert botanist-phytosociologist to carry out treatments to support the restoration of the green spaces and to supervise the care of these spaces (until the end of the Defect Notification Period)*. The Contractor did not provide effective care measures on part of the site, resulting in turfing that does not meet the requirements of the Technical Specification. The measure was suspended in November 2023, due to the end of the growing season. The expert botanist from the Contractor's environmental supervision submitted recommendations for the spring period. Measures will resume in spring 2024 until the failure is rectified. The final acceptance protocol showed a defect regarding the incorrect execution of the grass sowing works for the section Warta – bridge over Suchodół on the south side of the embankment. Failure removal date – 31.07.2024.

Measure from item 100 relates to *raising awareness about the prevention of sexual harassment and mobbing (...) throughout the term of the Contract including during the defect notification period (...)*. The Defect Notification Period does not represent the time when the basic work is actually carried out. It is the warranty period provided by the Contractor, during which the Employer can report defects and faults, which the Contractor is obliged to rectify. Therefore, during this time the Contractor will no longer be present on the Construction Site and there will be no need for the Contractor's Team to be permanently present on the Contract site. Therefore, in the Defect Notification Period, the measure will resume if the Contractor has to return to the Contract site and the Contractor's Team has to be brought in to rectify any defects and failures.

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## **5. STATUS OF IMPLEMENTATION OF MONITORING MEASURES FROM APPENDIX 2 TO THE EMP**

As stated in Appendix 2 to the EMP for Contract 1B.5/3, the entities responsible for implementing monitoring measures listed in Appendix 2 to the EMP are: Contractor: 111 measures (items 1-111 of Appendix 2 to the EMP) and Engineer: 111 measures (items 1-111 of Appendix 2 to the EMP). In total, the EMP for Contract 1B.5/3 provides for the implementation of 111 monitoring measures, all of which should be implemented during the reporting period. A summary of the implementation of the monitoring activities is presented in Appendix 1 to this report – *Part II. Checklist for the implementation of monitoring measures listed in Appendix 2 to the EMP for Contract 1B.5/3.*

### **5.1. MEASURES OF THE CONTRACTOR**

During the reporting period, the Contractor monitored the mitigation measure implementation as described in Appendix 2 to the EMP. Monitoring was conducted through:

- verification of the requirements specified in the EMP for the current stage of works;
- verification of documents regarding the fulfilment of the conditions of the EMP;
- ongoing inspections in the work area;
- measures indicated in Appendix 2 to the EMP;
- ongoing arrangements with representatives of the Engineer and the Investor.

During the reporting period, the Contractor implemented 103 (92.8%) monitoring measures:  
- 103 (92.8%) of the measures were completed to the extent required during the reporting period (items 1-10, 12-17, 19-20, 22-29, 32-79, 81-84, 86-103, 105-111 in Appendix 2 to the EMP);  
- 8 (7.2%) of the measures were not implemented as they were deemed not relevant for the reporting period – there was no need for implementation (items 11, 18, 21, 30, 31, 80, 85, 104 in Appendix 2 to the EMP).

Monitoring measures were conducted by the Contractor with input from specialists on the Contractor's environmental team, including the EMP coordinator, the OHS coordinator, and the environmental, sapper, and archaeological supervision teams.

### **5.2. MEASURES OF THE ENGINEER**

During the reporting period, the Engineer conducted mitigation implementation monitoring measures as described in Appendix 2 to the EMP. Monitoring was conducted through:

- verification of the requirements specified in the EMP for the current stage of works;
- verification of the Contractor's and Investor's documents regarding the fulfilment of the conditions of the EMP;
- ongoing inspections in the work area;
- measures indicated in Appendix 2 to the EMP;
- ongoing arrangements with representatives of the Contractor and the Investor.

During the reporting period, the Engineer generally completed 111 (100%) monitoring measures:

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- a) 111 (100%) measures were completed to the extent required during the reporting period (items 1-111 in Appendix 2 to the EMP).

The monitoring measures were implemented by the Engineer with the assistance of specialists from the environmental team, including the environmental management expert and the Resident Engineer.

### **5.3. ISSUES RELATED TO THE IMPLEMENTATION OF MONITORING MEASURES FROM APPENDIX 2 TO THE EMP**

According to the information presented in monthly reports on the implementation of measures specified in the EMP, in the reporting period no problems were found with the implementation of monitoring measures described in Appendix 2 to the EMP for Contract 1B.5/3. This was also confirmed by the Engineer's monitoring measures.

## **6. OTHER MEASURES AND EVENTS RELATED TO THE ENVIRONMENT, LOCAL COMMUNITY, HEALTH AND SAFETY**

During the execution of the Task, the Contractor implemented a number of ESHS requirements (environmental, social, health and safety aspects), which are standardised by national regulations governing environmental, health and safety, and labour law.

No instances of non-compliance with the Contract requirements were identified in this regard. There were no failures and, in particular, no incidents of contamination of the ground or waters with petroleum substances or substances hazardous to the environment related to the execution of the works or resulting from the execution of the Contract, nor were there any emergency situations that would require extraordinary intervention measures. Furthermore, during the course of the Contract, there were no complaints or conflicts, either from the Contractor's employees or the public, regarding possible violations of labour rights, wages, discrimination, or inappropriate behaviour by persons employed on the Contract, including sexual harassment and mobbing. At the same time, during the course of the Contract there were no extraordinary events, hazards, or disasters caused by or resulting from the execution of the Contract, resulting in risks to the environment or to human life and health. There were no health and safety incidents, serious accidents, injuries, or other incidents requiring medical treatment, or deaths.

Emergencies include the discovery of hazardous objects of military origin. Due to the location of the construction site at the site of intense fighting during World War II (crossing the Odra, direct vicinity of the Kostrzyn fortress), this occurred several times (6 cases) during the implementation of the Task. Unexploded ordnance was neutralised in accordance with approved procedures. No extraordinary intervention was required.

### **6.1. OTHER ACTIVITIES AND EVENTS CONCERNING THE ENVIRONMENT, LOCAL COMMUNITY**

During the reporting period, the Contractor conducted preparatory and main works under Contract 1B.5/3, including, but not limited to, the implementation of various measures specified in the Environmental Management Plan to the extent assigned to the Contractor.

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In addition, during the reporting period, the Contractor implemented, inter alia, the following other environmental and community measures related to the implementation of Contract 1B.5/3 in terms of:

- protection of adolescents employed to execute the Contract

The Contractor did not employ any adolescents under the age of 15 during the Contract.

- elimination of inappropriate behaviour of persons employed to execute the Contract (including sexual harassment and mobbing)

The Contractor ensured that conditions during the execution of the Contract were such as to prevent incidents of mobbing and sexual harassment, and complied with labour law, good practice, and work ethics. The Contractor implemented an anti-sexual harassment and mobbing awareness programme and countered the aforementioned phenomena by providing training to employees by an approved expert. The Contractor also ran an information campaign by providing an information leaflet and keeping a book of complaints and requests, and provided a box to allow anonymous submission of complaints. During the course of the Contract, no inappropriate behaviour by persons employed on the Contract related to incidents of sexual harassment and mobbing was reported. The Engineer did not record any reports or irregularities in this regard.

- ensuring proper social and employment conditions for workers employed on the Contract, including equal pay for workers performing the same work without regard to sex, sexual orientation or age, the absence of harassment and discrimination on grounds of sex, sexual orientation and age, and facilitating the workers' professional development

The Contractor applied and complied with all applicable Polish labour law and followed accepted C-EMSP procedures and the ESHS Code of Practice. The Contractor informed site workers about the possibility of submitting complaints about working and pay conditions by preparing an information leaflet. In addition, the Contractor kept a book of complaints and requests throughout the period of the Contract and provided a box to allow any complaints or requests to be submitted anonymously. The leaflet and the book were available throughout the task. During the course of the Contract, no irregularities were reported in this respect by persons employed on the Contract.

- requirements for extraordinary environmental hazards and to comply with the rules recorded in documents drawn up prior to the commencement of the works and updated as necessary

During the execution of the Task, the Contractor continuously monitored compliance with the rules recorded in documents drawn up prior to the commencement of the works and updated them as necessary, in particular: the OHS Plan, the Waste Management Plan, the Site Flood Protection Plan for the duration of the works, the Spillage Prevention Procedure. The Contractor monitored the risk of flooding or other emergencies on an ongoing basis.

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## **6.2. HEALTH AND SAFETY MEASURES AND INCIDENTS**

during the reporting period, the Contractor implemented, inter alia, the following other health and safety measures related to the implementation of Contract 1B.5/3 in terms of:

- Ensuring the safety and protection of health of the persons employed to execute the Contract, including the provision of OSH services required by law

During the period of execution of the Contract, the Contractor provided continuous health and safety supervision, i.e., had a health and safety specialist with qualifications and professional experience in accordance with Polish labour law, who carried out regular inspections of the construction site each month. If irregularities were found, each time a report was drawn up from the health and safety inspection and recommendations were made to the Contractor. The Contractor provided an OHS Coordinator on their team who, in addition to ongoing site inspections, provided training to the personnel in accordance with the EMP guidelines and applicable law.

- principles of HIV/AIDS and Covid-19 disease prevention

The Contractor provided training on HIV/AIDS and Covid-19 disease prevention through an approved service provider. It has also taken other measures to reduce the risk of transmission of such diseases among the Contractor's staff and the community, including by equipping the Contractor's office and site facilities with HIV/AIDS prevention information posters and providing information leaflets for employees.

During the Covid-19 pandemic, they maintained standards of distance and disinfection, and introduced internal procedures to reduce virus transmission and staff morbidity by limiting the number of in-person meetings and replacing them with online meetings where possible. In addition, during the period of the threat of the spread of COVID-19 coronavirus infection, the Contractor provided the Engineer with weekly reports on the situation on Contract 1B.5/3 in the context of the aforementioned threat, i.e., the status of infections among the Contractor's staff. Measures to prevent coronavirus infection, including the need to monitor the disease and in case of its occurrence – to take appropriate steps, were also implemented by the Contract Engineer and the Employer.

## **6.3. EXCEPTIONAL EVENTS, RISKS, AND DISASTERS**

There were no extraordinary events, risks, or disasters caused by or resulting from the Contract during the course of the Contract.

However, in the summer of 2022, the waters of the River Odra were contaminated and an environmental disaster occurred. However, this situation was not caused by or in any way related to the execution of the Contract. Due to the lack of measures directly related to the River Odra waters within Contract 1B.5/3, the event had no impact on the Task.

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#### **6.4. ACCIDENTS**

Both the Engineer and the Contractor provided continuous health and safety supervision during the period of the Contract. The Engineer's OHS Supervision carried out regular inspections of the site with a frequency of several inspections each month. If irregularities were found, each time a report was drawn up from the Engineer's health and safety inspection and recommendations were made to the Contractor. The reports were forwarded to the Contractor so that the Contractor could take action and rectify the failures identified. On each occasion, the recommendations of the Engineer's OHS supervision were also communicated during the ongoing inspection, and the results of the measures taken by the Contractor were verified during the subsequent inspection. The Contractor provided an OHS Coordinator on their team who, in addition to ongoing site inspections, provided training to the personnel in accordance with the EMP guidelines and applicable law.

During Contract implementation there were no accidents involving either the Contractor's personnel, the Employer, and the Engineer or members of the public.

#### **7. SUMMARY**

This document provides a report on the implementation of measures identified in the Environmental Management Plan (EMP) for the project: Works Contract 1B.5/3 – Reconstruction of a bridge to ensure minimum clearance (Railway bridge at km 615.1 of the River Odra in Kostrzyn nad Odrą) as part of the Odra-Vistula Flood Management Project (OVFMP).

The report covers measures implemented during the period:

- from the date of signature of the Contractor Agreement (i.e., from 6 July 2021)
- to the date of signature of the Final Protocol (i.e., 21 November 2023).

During the reporting period, the Contractor carried out works within the scope of the Contract (see description in Chapter 1), including the implementation of 99 mitigation measures specified in Appendix 1 to the EMP, monitored 111 items specified in Appendix 2 to the EMP, and attended other environmental, community, health and safety events.

In the reporting period, the Engineer supervised the works carried out under Contract 1B.5/3, including the implementation of the measure specified in the Environmental Management Plan within the scope assigned to the Engineer, monitored the implementation status of 111 mitigation measures specified in the EMP and participated in other events related to the environment, local community, health and safety.

In the reporting period, the Employer implemented measures assigned to it related to the implementation of Contract 1B.5/3, including the measure specified in the Environmental Management Plan in the scope assigned to the Investor, monitored the implementation of mitigation measures specified in the EMP, and participated in other events related to the environment, local community, health and safety.

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As a result of monitoring measures implemented by the Contractor, the Engineer, and the Employer, it was determined that during the reporting period:

- a) 99 out of 107 mitigation measures specified in Appendix 1 to the EMP were implemented;
- b) 8 of the 107 mitigation measures identified in Appendix 1 to the EMP were not implemented [there was no need to implement them during the reporting period];
- c) 111 out of 111 monitoring measures specified in Appendix 2 to the EMP were implemented;

A summary of the implementation of the monitoring activities is presented in Appendix 1 to this report – *Part III. List – quantitative summary of the implementation of measures listed in Appendix 1 and 2 to the EMP, in the reporting period.*

## **8. LIST OF APPENDICES**

Appendix 1 – Checklist for the implementation of measures listed in Appendices 1 and 2 to the EMP for Contract 1B.5/3

Appendix 2 – Photographic documentation



# Appendix 1

Checklist for the implementation of measures  
listed in Appendices 1 and 2 to the EMP for  
Contract 1B.5/3

**Checklist for the implementation of measures  
listed in Appendices 1 and 2 to the EMP  
for Contract 1B.5/3**

**Appendix 1 to the Final Report**

This document, attached as Appendix 1 to the Final Report on the implementation of measures specified in the Environmental Management Plan for Contract 1B.5/3 (reporting period: July 2021 – November 2023), consists of the following sections:

- Part I. Checklist for the Contractor's implementation of mitigation measures listed in Appendix 1 to the Environmental Management Plan (EMP),
- Part II. Checklist for the Contractor's and Engineer's implementation of monitoring measures listed in Appendix 2 to the EMP,
- Part III. Quantitative summary of the implementation of the measures listed in Appendices 1 and 2 to the EMP.

Measures listed in Appendices 1 and 2 to the EMP are grouped into 20 thematic categories:

Cat.	Category name	Item in table
A	Requirements for the Task implementation schedule	1 - 2
B	Requirements for traffic management at the Task site	3–13
C	Requirements for the location of site facilities and roads, material storage areas, and parking spaces	14 – 16
D	Requirements for the management of earth masses	17 - 19
E	Requirements for handling the humus layer	20 - 25
F	Requirements for tree and shrub removal	26 - 31
G	Requirements for the protection of trees and shrubs not intended for removal	32 - 33
H	Requirements for securing protected natural resources	34 - 42
I	Requirements for the restoration of natural resources after construction	43 - 48
J	Requirements for preventing environmental pollution (including reducing emissions to the environment)	49 - 63
F	Requirements for waste and wastewater treatment	64 - 69
L	Requirements for the protection of human health and safety	70-78
M	Requirements for extraordinary environmental hazards	79 - 82
N	Requirements for the conservation of cultural artefacts	83–87
O	Requirements for contractor's personnel involved in the EMP implementation	88 - 93
P	Requirements for reporting the implementation of the EMP	94 - 97

R	Particular requirements of the World Bank's ES policies	98 - 106
S	Guidelines on the course of action in the event of a state of epidemiological threat or epidemic being announced in the course of works	107
T	Requirements for environmental monitoring	108-110
U	Requirements for checking compliance with documents prepared by the contractor	111

**Part I. Checklist for the implementation of mitigation measures listed in Appendix 1 to the EMP for Contract 1B.5/3.**

<b>Item</b>	<b>Mitigation measure listed in Appendix 1 to the EMP</b>	<b>Implementation status in the reporting period</b>
1.	<p><b>EMP conditions regarding the deadlines for carrying out the works</b>                      When determining the schedules of works and at the stage of Task implementation, the Contractor shall take into account the EMP conditions regarding the dates and time of carrying out the different types of works, including:</p> <ul style="list-style-type: none"> <li>a) permissible hours of works (see item 57)</li> <li>b) permissible dates for felling trees and shrubs (see items 26 - 27)</li> <li>c) permissible dates for the removal of fertile soil (humus) layer (see item 21)</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in September 2021, according to the approved schedule and its subsequent updates. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
2.	<p><b>EMP conditions regarding measures to be implemented prior to the commencement or at the initial stage of works.</b>                      When determining the schedules of works and at the Task implementation stage, the Contractor shall take into account the EMP conditions regarding the measures to be implemented prior to the commencement or at the initial stage of the works, including:</p> <ul style="list-style-type: none"> <li>a) conditions for the construction of and equipment for site facilities and temporary roads and yards (see items 14-16, 43, 61, 63, 68);</li> <li>b) conditions for transportation at the construction site (see items 3-13);</li> <li>c) condition for the fencing of the construction site (see item 73);</li> <li>d) condition for the removal and securing of the humus layer (see items 20-25);</li> <li>e) conditions for tree and shrub removal and tree protection (see items 26 - 33);</li> <li>f) condition for the implementation of the wildlife inventory (see item 34);</li> <li>g) conditions concerning the securing of habitats and sites of protected species and the protection of small animals (see items 39 - 42)</li> <li>h) conditions for the preparation of documents (see items 4, 64, 70-72, 79, 82, 83, 93, 102);</li> <li>i) conditions for obtaining the Engineer's approval of the EMP coordinator and the members of the environmental supervision team, the archaeologists team, and the sapper's supervision team (see items 89, 90, 92, 93);</li> <li>j) condition requiring training on the principles of implementation of the EMP (see item 88);</li> <li>k) conditions requiring other types of training (see items 40, 77, 78, 91, 100, 105);</li> <li>l) conditions for sapper reconnaissance and archaeological surveys prior to the commencement of works (see items 74, 86).</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021, according to the approved schedule and its subsequent updates. Measure completed in August 2022 with the Contractor taking into account all conditions of the EMP for measures to be carried out prior to or during the initial stage of the works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
3.	<p><b>Conditions for the use of access roads to the Task site</b>                      The use of access roads running to the Task site is subject to the following requirements:</p> <ul style="list-style-type: none"> <li>a) Access to the Task site should be designated on the basis of existing roads.</li> </ul>	<p><b>Measure implemented and completed</b></p>

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		<p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
4.	<p>b) The Contractor shall prepare traffic arrangement and site security plan for the duration of works according to the Technical Specifications and requirements of road managers concerning transport and use of such roads.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
5.	<p>c) The Contractor shall agree the traffic arrangement and site security plan with the Road Administration Authorities. The Contractor shall arrange the traffic according to the agreed plan (which includes the signage and protection of the works, the signage of any divergence and the recommended road signage due to any modification of traffic arrangement, etc.),</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
6.	<p>d) Prior to the commencement of the works, the Contractor shall submit to the Engineer for approval the traffic arrangement and site security plan agreed with the road administration authorities and the traffic management body. The traffic arrangement and site security plan should be updated by the Contractor depending on the needs and progress of the works.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
7.	<p>e) The Contractor shall ensure the proper signage for all access roads to the Task area, in accordance with the applicable law and arrangements with the relevant Road Administration Authorities. The Contractor shall check the signage on a regular basis and restore or replace it immediately in the event of destruction or theft.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the construction start date - in February 2022. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
8.	<p>f) The Contractor shall maintain the paved areas in the area of the Task implementation, within which the vehicles will travel, in good condition. Where necessary, the Contractor will carry out the necessary repair and reinforcement works for the existing roads in order to maintain traffic flow and the correct standard.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>

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9.	<p>g) The Contractor shall be liable for any damage to structures, buildings, roads, drainage ditches, culverts, water or gas supply lines, power lines and poles, cables, survey control points, any type of installation, and other types of facilities such as signage and marking, navigation signs, information boards, cultural heritage sites, etc., caused by the Contractor or their Subcontractors during the Task period. The Contractor shall repair any damage at their own expense and, where necessary, carry out other works ordered by the Engineer.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
10.	<p>h) The Contractor shall observe any statutory restrictions regarding axle load when transporting materials and equipment to and from the Task site.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
11.	<p>i) The Contractor shall obtain from authorities all permits required to transport any atypical load and shall notify the Engineer every time in the event of such transport.</p>	<p><b>Measure not implemented</b></p> <p>Measure implementation was not required during the works.</p> <p>During the period of the Contract, there was no need to obtain the necessary permits from the authorities as to the transport of atypical loads.</p>
12.	<p>j) The Contractor shall prepare photographic documentation of the whole Task site and access roads, with a particular focus on the condition of roads and buildings located near the roads used for transportation of construction materials.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
13.	<p>k) Prior to the commencement of the works, the Contractor shall carry out on-site inspections in the presence of the Road Administration Authorities, as a result of which the reports on the condition of access roads to the Task execution area will be prepared. On this basis, the Contractor will be obliged to restore the technical condition of roads from before the Task implementation period.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
14.	<p><b>Obligation to provide site facilities, roads, material storage areas, and parking spaces</b> Prior to the commencement of the works, the Contractor shall provide the construction site facilities as well as roads and places for the storage of materials and parking spaces. The equipment for site facilities and the use of the site should meet, inter alia, the conditions given in items 61, 63, 68. When planning the above-mentioned elements of the construction site, it is necessary to ensure that their area is limited to a necessary minimum.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
15.	<p><b>Conditions for choosing the location of site facilities, material storage areas, and parking spaces</b> a) Construction site facilities (including material storage areas, vehicle parking areas) will</p>	<p><b>Measure implemented and completed</b></p>

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	be located in areas transformed by man; they will not be designated within patches of identified riparian forest habitats 91E0* (willow, poplar, alder, and ash riparian forests) in the vicinity of the railway line, oxbow lakes 3150 (Oxbow lakes and natural eutrophic water reservoirs with communities of <i>Nympheion, Potamion</i> ) and within 50 m of water bodies and river banks.	Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.  <i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i>
16.	b) The materials for adding height to the embankment and the track surface elements will be stored within the rented loading ramps/storage yards at Kostrzyn station and will be delivered directly to the construction site according to the current demand of the works front.	<b>Measure implemented and completed</b>  Measure implementation started in September 2022. Measure completed in August 2023, following the completion of track works.  <i>No problems with the implementation of the measure or irregularities were identified.</i>
17.	<b>Management of soil from the construction site</b> Soil located on the construction site should be used primarily on the construction site. The remaining excess soil should be managed in accordance with applicable regulations and design documentation. Earth masses which are shown to exceed the permissible concentrations of substances (in accordance with current waste management and environmental protection legislation) must be treated as waste and handed over to entities with the appropriate authorisation for further management. The method of waste soil management should be presented in the Waste Management Plan prepared by the Contractor and submitted for the Engineer's approval prior to the works (item 64).	<b>Measure implemented and completed</b>  Measure implementation started in March 2022. Measure completed in October 2023, following the completion of construction works.  <i>No problems with the implementation of the measure or irregularities were identified.</i>
18.	<b>Quality control of excavated earth masses</b> If ongoing assessment and verification of the quality of excavated earth masses (see monitoring measure in item 109 in Appendix 2 to the EMP) reveals any changes in parameters and appearance of soil (such as its colour, odour, or consistency): - The Contractor shall conduct control tests and determine the quality of the earth masses, in accordance with applicable regulations (in accordance with the Waste Management Act of 14 December 2012 and relevant implementing acts). The tests will be conducted by a laboratory accredited to perform this type of testing. The aim of the tests is to: • determine the possibility of using earth masses within the construction site (if the absence of contamination by hazardous substances is confirmed); • determine the acceptable methods of handling contaminated earth masses.	<b>Measure not implemented</b>  Measure implementation was not required during the works.  No change in soil parameters or appearance (such as its colour, odour, consistency) was detected during the Contract period as a result of the monitoring.
19.	<b>Requirements for off-site soils and aggregates</b> Soils (including earth masses) and aggregates used for construction works and sourced from outside the site shall comply with soil quality standards and land quality standards (in accordance with the Environmental Protection Law and its implementing acts), as well as any other applicable regulations and standards (including the conditions in item 49 of Appendix 1 to the EMP).	<b>Measure implemented and completed</b>  Measure implementation started in June 2022. Measure completed in October 2023, following the completion of construction works.  <i>No problems with the implementation of the measure or irregularities were identified.</i>
20.	<b>Collection, storage, and use of the humus layer</b> a) Prior to the commencement of works in individual parts of the Task area where works, temporary roads and yards, etc. are planned, a layer of fertile soil (so-called humus) with a thickness of no less than approx. 0.2 m shall be collected and stored in heaps at a place and in a manner approved by the Engineer;	<b>Measure implemented and completed</b>  Measure implementation started in September 2022. Measure completed in November 2023, following the completion of reclamation and clean-up works.  <i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i>

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21.	b) Humus removal works should be carried out from the beginning of September to the end of February. If it is necessary to carry out these works at a different date, the Engineer's consent should be obtained.	<p><b>Measure not implemented</b></p> <p>Measure implementation was not required during the works.</p> <p>The removed topsoil found on the site showed a lack of adequate organic matter (too low fertility) in laboratory tests. It was also characterised by a high amount of solid contaminants. It could not be used for landscaping as humus. It was managed in accordance with the Waste Management Plan and the applicable Waste Management Act.</p>
22.	c) The stored humus piles should be systematically sprayed, with frequency depending on the weather conditions (do not allow the piles to dry for more than 5 days).	<p><b>Measure not implemented</b></p> <p>Measure implementation was not required during the works.</p> <p>During the term of the Contract, during the period of storage of the soil removed from the surface of the Task area, which was tested for organic matter content (it was treated as potential humus), there was no drying of the heaps due to favourable weather conditions (autumn and winter period).</p>
23.	d) The stored humus heaps is to be protected from contamination, spreading, compaction, stockpiling of construction materials and growth of weeds and invasive plants, etc.	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in September 2022. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
24.	e) On completion of the construction work, the stored humus is to be used for landscaping (also condition in item 44). Measures related to the restoration of the humus layer and the restoration of green areas should be started as soon as possible.	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in March 2023. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
25.	f) The landscaping work shall be carried out under the supervision of an expert botanist/phytosociologist from the Contractor's environmental supervision team referred to in item 90.	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in March 2023. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
26.	<p><b>Permissible dates for tree and shrub removal</b></p> <p>In order to protect birds, the planned tree and shrub removal should be carried out outside the bird breeding season, i.e., between 15 October and 1 March.</p>	<p><b>Measure implemented and completed</b></p> <p>The best part of the measure was implemented in November-December 2021. In July-August 2022, follow-up felling was carried out, preceded by an inspection and under the supervision of environmental supervision experts. Measure completed in August 2023, following the completion of felling.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>



27.	<p><b>The condition of carrying out tree and shrub removal outside the permitted period</b>                  If it is necessary to remove trees and shrubs during the bird breeding season, immediately before cutting, environmental supervision, indicated in item 90, should be carried out by an ornithologist to check for the presence of bird habitats; if such habitats are found, relevant permits for those habitats should be obtained for derogations from the bans applicable to individual protected species of fauna (under the rules specified in accordance with applicable regulations) – see also items 36-39.</p>	<p><b>Measure implemented and completed</b></p> <p>Follow-up felling was carried out in July-August 2022, preceded by an inspection and under the supervision of an expert ornithologist from the environmental supervision team.                  Measure completed in August 2023, following the completion of felling.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
28.	<p><b>Minimising the extent of tree and shrub removal</b>                  The Contractor shall minimise the extent of tree and shrub felling to the minimum necessary while complying with the requirements of railway safety regulations.                  The extent of felling is subject to the approval of the Engineer.</p>	<p><b>Measure implemented and completed</b></p> <p>The best part of the measure was implemented in the period November 2021 - January 2022. Follow-up felling was carried out in July-August 2022.                  Measure completed in August 2023, following the completion of felling.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
29.	<p><b>Inspection of trees for the presence of protected animal species</b>                  In the case of felling trees with diameter at breast height (i.e. measured at a height of 130 cm, per the Nature Conservation Act) of more than 100 cm, immediately prior to felling (a maximum of 7 days prior to the planned felling), an inspection of these trees for the presence of protected bat and/or invertebrate species shall be carried out with the participation of an expert entomologist and chiropterologist from the Contractor's environmental supervision team. Tree and shrub felling must be carried out under the supervision of the aforementioned specialists.                  If specimens of protected insect and bat species are found in trees to be felled, the aforementioned experts will determine how to deal with the wood populated by protected animal species and how to reduce their mortality.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implemented prior to tree felling (October and December 2021 and July-August 2022).                  Measure completed in August 2023, following the completion of felling.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
30.	<p><b>Conditions justifying the felling of trees populated by valuable beetle species</b>                  If protected beetle species (larval or adult forms) are found within the trees to be felled, the felling of a populated tree can only be authorised on technical or technological grounds.                  Before felling a tree inhabited by protected beetle species, the Contractor shall obtain the necessary administrative decision, issued on the basis of the Nature Conservation Act, authorising derogations from the bans applicable to protected species – see also items 36 - 39.                  The Contractor will then carry out the felling and any other measures imposed by an administrative decision issued under the Nature Conservation Act.</p>	<p><b>Measure not implemented</b></p> <p>Measure implementation was not required during the works.</p> <p>During the period of the Contract, entomological monitoring did not identify any trees populated by valuable beetle species</p>
31.	<p><b>Principles for dealing with the felling of trees populated by bat species</b>                  If bats are found in trees to be felled, the felling must be temporarily halted and the recommendations of the chiropterologist expert of the Contractor's environmental expert team must be implemented, appropriate to the current atmospheric situation and the bat species found.</p>	<p><b>Measure not implemented</b></p> <p>Measure implementation was not required during the works.</p> <p>During the period of the Contract, the chiropterological monitoring did not identify any trees populated by bat species</p>
32.	<p><b>Conducting works within the scope of trees not intended for removal</b>                  Any trees and shrubs to be preserved growing in the area of the works and exposed to damage due to the work and movement of the equipment must be protected against mechanical damage by:                  a) shielding trunks of trees growing in the immediate vicinity of earthworks, e.g. by installing trunk shields made of wooden boards, at least 1.5 m high, around the whole trunk,                  b) where possible, conducting any earthworks carried out within the root system manually,</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in December 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p>

	<p>c) exposed tree and shrub roots should be protected with mats made of straw or sackcloth, or with peat, in order to protect them against excessive drying (summer) or freezing (winter),</p> <p>d) construction materials and soil from excavations must not be stored under tree branches, as this prevents gas exchange between air and soil, which may lead to the dying and rotting of roots,</p> <p>e) preventive crown pruning to prevent damage to trees in the area of machinery and equipment garaging (if necessary under the supervision of a dendrologist from the Contractor's environmental supervision team referred to in item 90).</p>	<p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
33.	<p><b>Protection of damaged trees and shrubs.</b> In the event of damage to the above-ground parts of trees and shrubs not intended for removal, the necessary care measures appropriate to the place and type of damage must be carried out immediately. In the case of root damage, the damaged ends should be cut off, and the roots should be protected with fungicide. The above-mentioned measures should be carried out in agreement with the dendrologist from the Contractor's environmental supervision team (referred to in item 90), and after their execution, the opinion of the above-mentioned team regarding the assessment of the correctness of the implemented measures should be submitted to the Engineer for approval.</p>	<p><b>Measure implemented and completed</b>  Measure implementation started in January 2022. Measure completed in November 2023, following the completion of reclamation and clean-up works.  <i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
34.	<p><b>One-off wildlife inventory of the Task site before the commencement of works</b> Prior to the preparatory works, the Contractor's environmental supervision team referred to in item 90 will carry out a one-off wildlife inventory of the Task area. In the event of the presence of habitats and species of fauna and flora subject to protection, for which it will be necessary to violate the bans set out in applicable regulations, it is necessary to obtain decisions allowing for derogations from the principles of species protection of plants, fungi and animals referred to in items 36-39.</p>	<p><b>Measure implemented and completed</b>  Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2021, following the submission of the documentation to the Engineer.  <i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
35.	<p><b>Ongoing inspections conducted by the environmental supervision team during the Task implementation period</b> Works performed during the implementation of the Task should be carried out under the ongoing supervision of the Contractor's environmental supervision team (referred to in item 85). These experts, in accordance with the specialisation and type of works performed, should, among others, carry out regular inspections of the entire Task area (at least once a month) and provide their comments and recommendations on an ongoing basis to the Contractor's staff responsible for carrying out the works in accordance with the conditions of the EMP. Following the inspections, written notes should be made and attached to the monthly reports on the implementation of the EMP conditions (referred to in item 94).</p>	<p><b>Measure implemented and completed</b>  Measure implementation started in October 2021 with the commencement of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.  <i>No problems with the implementation of the measure or irregularities were identified.</i></p>
36.	<p><b>Obtaining a decision authorising derogations from the rules on the species protection of plants, fungi, and animals</b> If, before the commencement (as part of a one-off wildlife inventory indicated in item 34 or during the implementation of construction works (see also item 35)), the presence of habitats or sites of protected species of flora and fauna is found in the Task implementation area, then the following conditions shall apply (indicated in items 36-39): a) the Contractor shall obtain and submit for the Engineer's approval a written opinion of the environmental supervision team (referred to in item 90), including the determination of the need to obtain the decision referred to in item b), and then, if necessary in the light of the above-mentioned opinion, implement measures referred to in items b-d (below);</p>	<p><b>Measure implemented and completed</b>  Measure implemented where habitats or protected species sites were identified - October 2021 and February-May 2023. Measure completed in October 2023, following the completion of construction works.  <i>No problems with the implementation of the measure or irregularities were identified.</i></p>
37.	<p>b) before taking any measures that may lead to the destruction of habitats and sites of protected species or disturbing protected species (in accordance with the opinion referred to in</p>	<p><b>Measure implemented and completed</b></p>

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	item a), the Contractor shall obtain the administrative decisions required by law allowing for derogations from the bans applicable to protected species of plants, fungi, and animals;	Measure implemented where habitats or protected species sites were identified - October 2021 and February-March 2023. Measure completed in October 2023, following the completion of construction works.  <i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i>
38.	c) the Contractor shall submit the obtained decisions to the Engineer;	<b>Measure implemented and completed</b>  Measure implemented where habitats or protected species sites were identified – December 2021 and March, May, June 2023. Measure completed in October 2023, following the completion of construction works.  <i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i>
39.	d) The Contractor shall implement the conditions contained in the above-mentioned decisions in a precise and timely manner (see also item 97).	<b>Measure implemented and completed</b>  Measure implemented where habitats or protected species sites were identified – in July-August 2022. Measure completed in October 2023, following the completion of construction works.  <i>No problems with the implementation of the measure or irregularities were identified.</i>
40.	<b>Checks on places likely to constitute traps for small animals</b> Every morning before works begin, excavations and other places that may constitute traps for animals: amphibians, reptiles, small mammals, should be checked. In the periods from 1 March to 15 May and from 15 September to 15 October, a second check should also be carried out every day in the late afternoon. Animals trapped in them should be collected and released outside the Task area in the appropriate location for the species (in the appropriate habitat). The last check for the presence of animals in the excavations should be carried out immediately before backfilling. The Contractor's staff, appropriately trained as per item 88, will carry out inspections in accordance with the guidelines of the herpetologist and mammal experts (referred to in item 90), who will coordinate and indicate the places where the caught animals should be released. All wells and other human-made structures that may constitute a trap for amphibians and small mammals should be secured according to the comments and under the guidance of the above-mentioned herpetologist and mammalogist.	<b>Measure implemented and completed</b>  Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in October 2023, following the completion of construction works.  <i>No problems with the implementation of the measure or irregularities were identified.</i>
41.	<b>Protection of natural habitats</b> The Contractor will erect temporary fencing of the construction site on sections of the railway line running adjacent to natural habitats 91E0* (Willow, poplar, alder, and ash riparian forests) and 3150 (Oxbow lakes and natural eutrophic water reservoirs with communities of <i>Nymphaeion</i> , <i>Potamion</i> ) to protect the aforementioned natural habitats from interference during construction. The measure will be carried out under the supervision of a competent expert of the Contractor's environmental supervision team referred to in item 90. who will indicate a method of protection that minimises the risk of injury to animals (e.g., by getting entangled in the net). The method of protection is subject to the agreement of the Engineer. The Contractor will inspect the condition of the protective devices and make any necessary repairs.	<b>Measure implemented and completed</b>  Measure implementation started in December 2021 with the commencement of construction works in the vicinity of the protected habitat patch. Measure completed in October 2023, following the completion of construction works.  <i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i>

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42.	<p><b>Protection of amphibians</b>          In order to prevent amphibians from entering the construction site, it should be fenced off with herpetological fences in places adjacent to water reservoirs.          The measure will be carried out under the supervision of the relevant expert of the Contractor's environmental supervision team referred to in item 90.          The method of protection is subject to the agreement of the Engineer. The Contractor will inspect the condition of the protective devices and make any necessary repairs.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in February 2022 before the start of the amphibian breeding season. Measure completed in October 2023, following the completion of construction works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
43.	<p><b>Cleaning up the site after the completion of the works, restoring the humus layer, and carrying out land reclamation.</b>          Following the completion of the works:          a) dismantle the construction site facilities, temporary roads and yards, and remove the materials from the demolition outside the Task area to the previously agreed destination (approved by the Engineer);</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in July 2023 with the commencement of clean-up works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
44.	<p>b) within the limits of the Task area, restore the fertile layer of soil (among others, using humus collected from the site in accordance with the conditions in items 20 - 25);</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in March 2023 with the commencement of reclamation works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
45.	<p>c) carry out supportive measures for the restoration of green spaces (including grass sowing);</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in March 2023 with the commencement of reclamation works. Measure ended in November 2023, due to the end of the growing season.          The final acceptance protocol showed a defect regarding the incorrect execution of the grass sowing works for the section Warta – bridge over Suchodół on the south side of the embankment. Removal date – 31.07.2024.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
46.	<p>d) ensure appropriate maintenance of the restored green areas (until the end of the Defects Notification Period).</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in June 2023 with a delay in relation to watering needs after the start of reclamation works. Measure ended in November 2023, due to the end of the growing season.          The final acceptance protocol showed a defect regarding the incorrect execution of the grass sowing works for the section Warta – bridge over Suchodół on the south side of the embankment. Removal date – 31.07.2024.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
47.	<p>Measures described in items 43 - 46 shall be carried out by the Contractor under the supervision of an expert botanist-phytosociologist (referred to in item 90), including:</p>	<p><b>Measure implemented and completed</b></p>

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	<ul style="list-style-type: none"> <li>- agreeing on the precise deadlines for works;</li> <li>- agreeing on the precise location of places where humus is to be used;</li> <li>- determining the species composition of grass mixtures;</li> <li>- agreeing on the principles of maintenance of the designed green areas;</li> <li>- submitting the results of the above-mentioned arrangements for the Engineer's approval;</li> <li>- supervision over the performance of actions supporting the restoration of green areas and supervision over the maintenance of these areas (until the end of the Defects Notification Period).</li> </ul>	<p>The measure was implemented in accordance with the progress of the works – started ahead of time in terms of establishing documentation in June-July and November 2022. It was then implemented during reclamation works in March-October 2023. Measure ended in November 2023, due to the end of the growing season.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
48.	<p><b>Restoration of bird breeding sites</b> The Contractor will hang bird nesting boxes – 2 P-type boxes and 8 B-type boxes – on trees around the railway line. The measure will be carried out under the supervision of an expert ornithologist of the Contractor's environmental supervision team referred to in item 90, who will submit to the Engineer measure documentation, including, inter alia, an indication of the location of the boxes (including GPS coordinates). The measure should not be implemented before the start of the breeding season following the tree felling. During the period of the Task, the contractor will carry out an annual inspection of the population and technical condition of the boxes and will restore them if they are damaged.</p>	<p><b>Measure implemented and completed</b></p> <p>The measure was implemented as recommended by the ornithologist – the installation of the boxes was carried out in November 2022. This was followed by inspections and replacement of damaged boxes in October-November 2023. Measure completed in November 2023.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
49.	<p><b>Use of construction materials in accordance with regulations and standards and harmless to the environment</b> Only environmentally sound construction materials (natural, environmentally friendly, or neutral) should be used to carry out the Task. The materials, raw materials, fuels, and cement-concrete mixes used should have appropriate certificates and approvals for use.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in October 2023, following the completion of construction works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
50.	<p><b>Operability and inspections of devices, vehicles, machinery, and equipment</b> In terms of operability and inspection of devices, vehicles, machinery, and equipment, the following conditions shall apply:</p> <ul style="list-style-type: none"> <li>• Construction and transport equipment and machinery used in connection with the Task should be in good working order,</li> <li>• The Contractor shall conduct ongoing inspections of the condition of devices, vehicles, machinery, and equipment and shall eliminate by any available means the risk of any contaminants entering the ground and water environment, including in particular spillage of fuel, hydraulic oil and petroleum substances, during the handling, transport, and operation of devices, vehicles, machinery, and equipment.</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
51.	<p><b>Prevention of contamination with petroleum derivatives</b> All earthworks should be carried out with particular caution, in a way that ensures the protection of soil, surface water, and groundwater against contamination, in particular with petroleum substances.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
52.	<p><b>Handling of emissions of petroleum derivatives</b> In the event of an emergency spill of petroleum substances or other consumables into water or</p>	<p><b>Measure implemented and completed</b></p>

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	<p>ground, proceed to immediately neutralise the spill, collect, it and hand it over to entities authorised in the field of waste management for disposal, in accordance with the spillage prevention procedure indicated in item 82.</p> <p>In the event of major emergencies, use the notification procedures described in item 80.</p>	<p>Measure implemented for petroleum substance emissions – February-July and November-December 2022, June-August 2023. Measure completed in November 2023, following the completion of remediation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
53.	<p><b>Rules for refuelling vehicles, machinery and equipment</b></p> <p>Refuelling should be carried out using mobile or fixed fuel dispenser points with appropriate safeguards such as a sorbent station for eliminating potential fuel leaks and spills to the ground.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
54.	<p><b>Parking rules for construction and transport equipment</b></p> <p>Construction and transport equipment used in connection with the Task must be moved at the end of the work or in the event of a breakdown to a parking area that ensures protection of the ground surface from contaminants entering the ground-water environment. Malfunctioning equipment must be taken out of the Task area immediately to be repaired.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the construction start date - in February 2023. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
55.	<p><b>Spill neutralisation agents</b></p> <p>The Contractor shall provide agents for neutralising leakage and waste at the construction site. Adequate quantities of the aforementioned agents (e.g. sorbents), suitable for use on solid surfaces and water surfaces, must be provided.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the construction start date – in January 2023. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
56.	<p><b>Environmentally safe storage of materials and raw materials</b></p> <p>The materials and substances to be used in the implementation phase – which may cause ground contamination – should be stored only in appropriate containers, in places designated for this purpose, in an environmentally safe manner.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in February 2022. Measure completed in October 2023, following the completion of construction works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
57.	<p><b>Restriction of working hours to daytime</b></p> <p>Works characterized by significant noise emissions, will be carried out (as far as possible) during daylight hours, i.e. from 6:00 am to 10:00 pm.</p> <p>Carrying out work at other times is subject to the approval of the Engineer.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in October 2023, following the completion of construction works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
58.	<p><b>Reduction of noise and exhaust fumes from vehicles, machinery, and equipment</b></p> <p>a) During the implementation of the Task, the quietest construction works technologies should be used, including, among others: using devices, vehicles, machines, and equipment that are as modern as possible, characterised by lower noise levels and fully technically efficient, switching off engines and devices not working at the given moment, limiting the time of engine operation at</p>	<p><b>Measure implemented and completed</b></p>

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	<p>the highest speed, maintaining good work organisation.</p> <p>b) During the implementation of the Task, only fully operational vehicles, machines, devices, and equipment with sound emission (sound power) and exhaust emissions in accordance with applicable regulations should be used.</p>	<p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
59.	<p><b>Reducing air pollution with exhaust gases</b></p> <p>In order to reduce the negative impact on the air condition:</p> <p>a) avoid leaving internal combustion engines idling when they are not running;</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
60.	<p>b) vehicles should be parked with the engine off.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
61.	<p><b>Reducing dust from the construction site and roads</b></p> <p>During the implementation of the Task, the effects of secondary dust concentration should be reduced, in particular by:</p> <ul style="list-style-type: none"> <li>• systematic cleaning of the construction site and the construction site facilities;</li> <li>• spraying dusty road surfaces;</li> <li>• use of tight tarpaulins on vehicles carrying materials likely to cause dust during transport;</li> <li>• cleaning the wheels of vehicles before leaving for the access roads to the Task area.</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in May 2022 in line with the weather conditions during the construction period. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
62.	<p><b>Maintaining clean roads</b></p> <p>In order to keep the roads clean, the following measures should be taken:</p> <p>a) The Contractor shall use all available technical measures and organise works in such a manner as to minimise the contamination of access roads to the Task implementation area.</p> <p>b) at the points of exit of heavy vehicles from the site, the Contractor shall install stations for the initial removal of soil and mud from vehicle wheels.</p> <p>The Contractor is obliged to immediately and systematically remove any contamination on the roads that occurred as a result of the movement of vehicles, machinery, and equipment related to the implementation of the Task.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in January 2022 in line with the progress of the construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
63.	<p><b>Paving the site facilities and temporary roads</b></p> <p>The construction site facilities, as well as all technological roads and other places on which vehicles, machines, and equipment will travel, should be paved and sealed in technology appropriate for the equipment used. The technology used is subject to approval as part of the approval of the Site Arrangement Plan.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in October 2021 in line with the progress of the construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
64.	<p><b>Preparation of a Waste Management Plan (WMP)</b></p>	<p><b>Measure implemented and completed</b></p>

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	<p>Prior to the commencement of works, the Contractor shall prepare a Waste Management Plan, for waste including waste from demolition of bridges and reconstruction of railway infrastructure, and have it approved by the Engineer (see chap. 6.14 of the EMP).</p>	<p>Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
65.	<p><b>Rules for handling waste</b> Waste generated during the implementation of the Task, including demolition works, should be:</p> <ul style="list-style-type: none"> <li>• sorted and stored selectively in a separate designated area under conditions that prevent dusting and blowing away of light fractions and their negative impact on the environment;</li> <li>• successively collected by entities authorised to further manage it.</li> </ul> <p>The Contractor is obliged to keep waste records and transfer the records documents to the Engineer for the purpose of monitoring.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in November 2021 in line with the progress of the construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
66.	<p><b>Rules for handling hazardous waste</b> Hazardous waste must be sorted and stored – until it is handed over to authorised operators for further management – separately in designated sealed containers placed on a paved area or in paved areas, protected from ground contamination and precipitation (in particular, liquid waste in excess of 220 litres requires secondary containment to prevent spillage, e.g., a tray with a capacity of at least 110% of the largest container and 25% of the total volume of liquid waste). Containers and storage areas should be labelled and protected against third party access.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the construction start date - in February 2022. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
67.	<p><b>Waste management associated with the repair and maintenance of equipment, machinery, and devices used in construction work</b> Waste generated by the repair or maintenance of equipment, machinery or working devices must not be stored within the construction site. Any repair or servicing of machines should be conducted by a specialised company or a person authorised for such works by the manufacturer (authorised service company). The waste generated during this type of work will be collected by repair or maintenance contractors and will not be stored on site.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in November 2021 in line with the progress of the construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
68.	<p><b>Rules for handling domestic wastewater</b> The Contractor shall provide leakproof sanitary facilities for domestic wastewater at the site facilities, which shall be systematically emptied by authorised entities.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the construction start date – in December 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
69.	<p><b>Prevention of illegal waste deposits</b> Prior to the commencement of the works, the Contractor shall identify the area of the Task for the presence of illegal waste deposits. During the Task execution period, the Contractor shall protect the Task execution area against their possible creation.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
70.	<p><b>Preparation of documents related to safety in the area of Task implementation</b></p>	<p><b>Measure implemented and completed</b></p>



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	<p>Order should be maintained, and the proper organisation of works should be ensured in the Task implementation area.</p> <p>Prior to the commencement of works, the Contractor shall prepare, and obtain the Engineer's approval for, among others, the following documents related to safety at the construction site:</p> <p>a) occupational health and safety plan (OHS Plan) – see chapter 6.14 of the EMP.</p>	<p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
71.	<p>b) Site arrangement plan – see chapter 6.14 of the EMP.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in December 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
72.	<p><b>ES Code of Conduct</b></p> <p>The Contractor shall take all measures necessary to assure that Contractor's personnel have been informed on the ES Code of Conduct submitted along with the proposal and described in section 6.14 of the EMP, including on certain forbidden behaviours, and have understood the consequences of engaging in such forbidden behaviours.</p> <p>The Contractor shall also make sure that the ES Code of Conduct is visibly exposed in areas where Contractor's personnel are present.</p> <p>This applies to the Contractor and its personnel regardless of the legal basis of cooperation, and accordingly to Subcontractors and their personnel.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in December 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
73.	<p><b>Construction site fencing</b></p> <p>Prior to commencing construction works, the Contractor shall fence off the area. The height of the fence should be at least 1.5 m. If fencing off the construction site or works area is not possible, the boundaries of the area should be marked with warning signs and, if necessary, constant supervision should be ensured. The Contractor shall control the condition of the fence and warning signs and shall make the necessary repairs.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
74.	<p><b>Supervision of the Task site by sappers</b></p> <p>To minimise the risk due to the possibility of hazardous items of military origin occurring on the Task site, the Contractor shall provide:</p> <ul style="list-style-type: none"> <li>• prior to the works – investigation of the Task site by sappers (a report of the investigation shall be submitted to the Engineer);</li> <li>• during the works – sapper's supervision (carried out by the sapper's supervision team) involving ongoing checks and clearing the Task site of any hazardous military items, and disposing of such items;</li> <li>• should any hazardous items of military origin be found at the Task site – implementation of the procedures laid down in item 81.</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in October 2023, following the completion of construction works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
75.	<p><b>Implementation of guidelines for occupational safety requirements</b></p> <p>The Contractor shall ensure the implementation of detailed guidelines regarding the requirements of occupational safety, including in the following areas:</p> <ul style="list-style-type: none"> <li>• development of the construction site, including dangerous zones;</li> <li>• storage and transport;</li> <li>• electrical power installations and equipment;</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in November 2021 in line with the progress of the construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p>

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	<ul style="list-style-type: none"> <li>• engineering machinery and equipment;</li> <li>• works at height;</li> <li>• earthworks;</li> <li>• works carried out on water,</li> <li>• demolition works;</li> <li>• underwater works.</li> </ul> <p>contained in the applicable legislation and the occupational safety principles set out in the relevant documents of PKP Polskie Linie Kolejowe S.A.</p>	<i>No problems with the implementation of the measure or irregularities were identified.</i>
76.	<p><b>Ensuring conditions of hygiene</b> In the Task implementation area:</p> <p>a) provide leakproof sanitary facilities (e.g. in the form of the necessary number of portable toilets) and ensure they are used by the employees (Rules for handling domestic wastewater are set out in item 68).</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the construction start date – in December 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
77.	<p>b) ensure that all staff members are trained in maintaining appropriate conditions of hygiene and cleanliness within the site and its immediate surroundings.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the construction start date – in December 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
78.	<p><b>Prevention of HIV -AIDS and other infectious diseases including, for example, COVID 19</b> The Contractor, through an approved service provider, shall implement an awareness-raising programme on the spread of HIV-AIDS (including appropriate training) and shall take all other measures to reduce the risk of transmission of HIV to the Contractor's personnel and to the local community. These measures should be implemented in accordance with the detailed conditions set out in the Contract Bidding Documents (Part 3, Section VIII – General Conditions, clause 6.7). The training sessions shall also cover other diseases (e.g. COVID 19).</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in September 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
79.	<p><b>Principles of conduct in connection with the risk of flooding</b> In connection with the risk of flooding, the Contractor shall prepare a document entitled: Site Flood Protection Plan, and secure the Engineer's approval (see chapter 6.14 of the EMP). In the event of flooding, the Contractor shall follow the procedures described in the aforementioned document. In particular, in the case of anticipated high water levels of the Warta and/or Odra, the Contractor shall secure the construction site against negative effects of surface water flow and shall evacuate people, equipment, and materials accordingly, and shall prevent the contamination of water with substances and materials originating from the construction site, including hazardous ones.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in February 2022. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
80.	<p><b>Rules of reporting emergency situations</b> In case of emergency (other than flood), accident, major failure, etc., the Contractor must take the following measures:</p> <ul style="list-style-type: none"> <li>• immediately notify appropriate services (Fire Brigade, Ambulance Service, Police, etc.);</li> <li>• until the arrival of appropriate services, take actions necessary to mitigate the risk of loss in personnel, property and environment (agreed with appropriate services as far as possible);</li> </ul>	<p><b>Measure not implemented</b></p> <p>Measure implementation was not required during the works.</p> <p>There were no emergencies during the Contract period</p>

	<ul style="list-style-type: none"> <li>notify the Engineer and Employer;</li> <li>upon the arrival of appropriate services, strictly comply with their instructions and recommendations.</li> </ul>	
81.	<p><b>Rules of handling unexploded ordnance</b> If any unexploded ordnance is found:</p> <ul style="list-style-type: none"> <li>stop the work immediately;</li> <li>evacuate people from the area surrounding the object;</li> <li>immediately notify the sapper's supervision team [see item 61] and the Police, and proceed as they instruct;</li> <li>notify the Engineer and Employer.</li> </ul> <p>It is absolutely forbidden to lift, excavate, bury, or relocate any unexploded ordnance, put it into fire or water, etc.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implemented when unexploded ordnance or unexploded ordnance was found – February, May, June, November 2022, January, August 2023. Measure completed in October 2023, following the completion of construction works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
82.	<p><b>Principles of conduct in connection with the spillage of petroleum derivatives</b> In connection with the risk of spillage of petroleum substances, the Contractor shall prepare the so-called spillage prevention procedure (see item 6.14 of the EMP) and obtain the Engineer's approval for it.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
83.	<p><b>Ensuring the participation of an archaeological supervision team</b> Throughout the entire earthworks period, the Contractor shall ensure the participation of a team of archaeological experts (the Contractor's archaeological supervision). The Contractor's archaeological supervision team is responsible for the implementation and/or coordination of the following measures:</p> <ol style="list-style-type: none"> <li>obtaining and updating permits for archaeological surveys and works at monuments,</li> <li>carrying out advance archaeological surveys,</li> <li>execution of the works in accordance with the conditions laid down by the Provincial Heritage Conservation Officer,</li> <li>properly securing valuable objects and other elements of the historic substance and to transport them from the works area to the designated site or institution,</li> <li>the development of an appropriate archaeological supervision action plan in the form of a Quality Assurance Plan.</li> </ol>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in September 2021 in line with the progress of the works. Measure completed in October 2023, following the completion of construction works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
84.	<p><b>Rules of procedure in case of discovering movable artefacts or archaeological sites</b> If the Contractor, in the course of carrying out the works, discovers an object presumed to be a monument, it shall (subject to the requirements in items 85-86 below):</p> <ol style="list-style-type: none"> <li>halt all work likely to damage or destroy the objects uncovered and secure, using the available means,</li> <li>immediately notify the Provincial Heritage Conservation Officer and, if this is not possible, the Mayor of Kostrzyn nad Odrą. At the same time, the Contractor notifies the Engineer in the above scope.</li> <li>immediately notify the Contractor's team of expert archaeologists,</li> <li>allow and ensure documentation activities, archaeological surveys and other necessary measures indicated by Contractor's archaeologists and/or administration authorities responsible to protect artefacts and other historic substance,</li> <li>for immovable artefacts, after completion of the measures specified in item d, the Contractor shall implement the instructions and other measures determined by the archaeologists or administration authorities responsible to protect such objects and other historic substance,</li> </ol>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in May 2022 due to the discovery of a historic bridge abutment. Measure completed in October 2023, following the completion of construction works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>

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	The Contractor shall develop a procedure for dealing with the discovery of an object that has the characteristics of a monument.	
85.	<p><b>Obtaining a permit from the Provincial Heritage Conservation Officer in the event of a discovery of movable monuments or archaeological sites during construction or ground works</b></p> <p>To implement the provisions of the EMP described in item 84, the Contractor shall also obtain, if necessary, under a power of attorney granted by the Employer, a permit from the Provincial Heritage Conservation Officer (PHCO) for conducting a salvage archaeological survey.</p>	<p><b>Measure not implemented</b></p> <p>Measure implementation was not required during the works.</p> <p>During the term of the Contract, there was no need to obtain a permit from the Provincial Heritage Conservation Officer for conducting a salvage archaeological survey</p>
86.	<p><b>Conducting archaeological surveys in the area of earthworks within the Kostrzyn Fortress</b></p> <p>Occupation earth is also protected on the site of the Kostrzyn Fortress. For earthworks in the area, archaeological surveys are required with a permit from the Provincial Heritage Conservation Officer.</p> <p>In view of the above, the Contractor will carry out archaeological surveys prior to the commencement of earthworks within the Kostrzyn Fortress on the basis of a permit from the Provincial Conservator of Monuments to carry out archaeological surveys. If necessary, the Contractor will update the above permit.</p> <p>The Contractor's archaeological supervision team is responsible for the implementation and/or coordination of the above measures.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implemented when archaeological surveys were required – December 2022 and July 2023. Measure completed in October 2023, following the completion of construction works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
87.	<p><b>Protection of objects entered in the register of historic monuments and included in the voivodeship list of monuments</b></p> <p>Works within the Kostrzyn Fortress and at objects included in the voivodeship list of monuments will be carried out under the supervision of the Contractor's archaeological supervision team, in accordance with the provisions of the permit and agreements of the Provincial Heritage Conservation Officer for carrying out works at monuments. If necessary, the Contractor will update the permit and agreements.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in October 2023, following the completion of construction works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
88.	<p><b>Training of Contractor's personnel in EMP implementation</b></p> <p>The Contractor must conduct training (to be concluded with a test checking the participants' knowledge) in the rules and conditions of the EMP and protection indications for the time of construction, dedicated to Contractor's executives and engineers supervising the construction, which training should be prepared by Contractor's team of naturalists. The Contractor's employees who handle fuels, other oil derivatives or any other substance harmful to health or environment should be trained in the rules of preserving groundwater environment and using measures for its preservation, including the use of sorbents.</p> <p>In the monthly reports submitted to the Engineer, the Contractor shall provide information on the status of training of Contractor's personnel in the conditions of the EMP in the current reporting period.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in November 2021 – and was carried out as required to ensure that 100% of the Contractor's employees were trained. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
89.	<p><b>Designating Contractor's EMP Coordinator</b></p> <p>There shall be a person designated in Contractor's team to coordinate and monitor the measures involved in EMP implementation.</p> <p>The person shall be responsible for the following, without limitation:</p> <ul style="list-style-type: none"> <li>• supervising the implementation of various requirements of the EMP at each stage of executing the Task;</li> <li>• day-to-day monitoring over the status of implementing each requirement stated in Appendices 1 and 2 to the EMP at the Task site;</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>

	<ul style="list-style-type: none"> <li>• day-to-day reporting to Contractor’s team management on the obligations arising from the EMP at a given stage of works, and of any issues concerning the implementation of the EMP;</li> <li>• cooperation with the rest of the Contractor's team (including in particular supervising the environmental supervision team referred to in item 90) in the scope of ensuring the implementation of the EMP;</li> <li>• reporting on the implementation of the EMP (in accordance with the rules specified in items 94-97);</li> <li>• collaborating with persons responsible for implementing the EMP from Engineer’s and Employer’s teams.</li> </ul> <p>The EMP Coordinator may not be a member of Contractor's environmental supervision team (environmental supervision). The person appointed for this position must be approved by the Engineer.</p>	
90.	<p><b>Ensuring the participation of the Contractor's environmental supervision team</b> Throughout the entire Task implementation period, the Contractor shall ensure the participation of the Contractor’s environmental supervision team consisting of representatives of the following specialisations:</p> <ul style="list-style-type: none"> <li>a) botanist-phytosociologist (natural habitats and protected plant species);</li> <li>b) dendrologist (principles of tree care and securing trees);</li> <li>c) zoologist-herpetologist (amphibians and reptiles);</li> <li>d) zoologist-ornithologist (birds);</li> <li>e) zoologist (flightless mammals);</li> <li>f) zoologist-chiropterologist (bats);</li> <li>g) zoologist-entomologist (insects).</li> </ul> <p>The experts shall be engaged in certain mitigation and monitoring measures set out in the EMP, in particular:</p> <ul style="list-style-type: none"> <li>a) mitigation measures listed in Appendix 1 to the EMP in items, in particular: 24-48, 91.</li> <li>b) monitoring measures listed in Appendix 2 to the EMP, in items, in particular: 24-48, 91.</li> </ul> <p>The members of the Contractor’s environmental supervision team must be approved by the Engineer. One member of the environmental supervision team may represent up to two environmental specialities listed in items a)-e) above.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
91.	<p><b>Tasks of the Contractor’s environmental supervision team</b> The task of environmental supervision will be to take appropriate protective measures in the event of finding a threat to protected species of fauna and flora as a result of works. In particular, the duties of environmental supervision should include:</p> <ul style="list-style-type: none"> <li>- before the Task commences, checking the area in which works are to be carried out for the presence of sites of protected species (see item 34);</li> <li>- in the event of the presence of habitats and species of fauna and flora subject to protection, for which it will be necessary to violate the bans set out in applicable regulations, obtaining appropriate permits for the implementation of these measures before starting construction works (see items 36– 39);</li> <li>- carrying out supervision during construction work, including in particular: removing trees and shrubs, marking habitats and sites of protected species, restoring green areas (see also items 27-33, 40-42, 44-48).</li> <li>- training the contractor’s employees on how to proceed in the event of situations posing a threat to the natural environment at the construction site, including in the scope of measured related to the control of places that may constitute traps for small animals referred to in item 88.</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>

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92.	<p><b>Providing a sapper's supervision team</b> Throughout the entire Task implementation period, the Contractor shall ensure the participation of the sapper's supervision team. The team shall implement selected mitigation measures specified in the EMP (in particular this applies to measures listed in item 74). Depending on the needs, the sapper's supervision team may consist of one or more persons holding a relevant professional licence. The members of the sapper's supervision team must be approved by the Engineer.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in October 2023, following the completion of construction works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
93.	<p><b>Ensuring the participation of an archaeological supervision team</b> Throughout the entire earthworks period, the Contractor shall ensure the participation of a team of archaeological experts (the Contractor's archaeological supervision). These experts will be involved in the implementation of the selected mitigation measures identified in the EMP (in particular those described in items 83 - 87). The experts from the archaeological supervision team must hold relevant professional licences. The composition of the team of archaeologists must be approved by the Engineer. Prior to the works, the Contractor shall submit to the Engineer for approval the Quality Assurance Plan covering the activities of the archaeologists.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in October 2023, following the completion of construction works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
94.	<p><b>Reporting the status of implementation of the EMP in monthly reports</b> During the execution of the Task, the Contractor shall in a timely manner submit monthly reports on the implementation of the conditions specified in the EMP to the Engineer (in the form of a checklist with necessary appendices, including reports on environmental supervision). The Contractor shall prepare a template of the above-mentioned report (checklist) and obtain the Engineer's approval for this document. <b>Depending on the circumstances, the Engineer may require the Contractor to submit additional reports, regarding, among others, the occurrence of crisis situations, the implementation of selected items of the EMP, etc.</b></p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
95.	<p><b>Discussing the implementation of the EMP at working meetings and Construction Council Meetings</b> In the period of Task execution, monthly meetings of the representatives of the PIU, the Engineer, and the Contractor shall be held to discuss and check the implementation of the mitigation and monitoring measures set out in the EMP. Notwithstanding the above, any current requirements and issues related to the implementation of the EMP shall be discussed at all Construction Council Meetings.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in August 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>No problems with the implementation of the measure or irregularities were identified.</i></p>
96.	<p><b>Reports by Contractor's environmental supervision team</b> The Contractor's environmental supervision team carries out reporting: a) preparing periodic reports (monthly and quarterly reports and the final report) on the implementation of the conditions specified in the EMP (in the form of a checklist with necessary appendices, including reports on environmental supervision) submitted to the Engineer and requiring their approval.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
97.	<p>b) preparation of reports submitted to environmental protection authorities in accordance with the terms of the decisions indicated in items 36-39, if they are required. The Contractor's EMP coordinator is responsible for the preparation of the documents indicated in item a and b.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implemented taking into account periods from the environmental authority decision conditions – February and October 2023. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p>

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		<p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
98.	<p><b>Contractor's responsibility for ES compliance</b> The Contractor shall ensure the implementation of all requirements and conditions of the ES referred to in item 72. This applies to the Contractor and its personnel regardless of the legal basis of cooperation, and accordingly to Subcontractors and their personnel.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
99.	<p><b>Prevention of sexual harassment and mobbing</b> The Contractor must ensure such conditions during execution of the Contract as to prevent any case of mobbing or sexual harassment of their personnel, Subcontractors and other persons (whether or not involved in the execution of the Contract).</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started in December 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
100.	<p><b>Raising awareness about the prevention of sexual harassment and mobbing</b> The Contractor, through an approved service provider holding relevant qualifications, shall conduct training courses and implement a scheme raising awareness about the prevention of sexual harassment and mobbing. These measures shall be implemented throughout the term of the Contract, including the Defects Notification Period, at least every other month. They shall take the form of informational, educational, and awareness-raising campaigns.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in October 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
101.	<p><b>Reporting cases of sexual harassment and mobbing</b> The Contractor must immediately notify the Consultant of any reported or suspected case of sexual harassment and mobbing. All reported and suspected cases of sexual harassment and mobbing shall be entered into the Book of Complaints and Requests kept by the Contractor. If any case of mobbing or sexual harassment is found, the Contractor must take measures to immediately terminate such behaviours and draw all legal consequences against the offenders. The Contractor must also provide any necessary assistance and support to the victims.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
102.	<p><b>Allowing the submission of complaints and requests by personnel involved in the Task</b> The Contractor shall inform all persons employed on the construction site that they may submit a complaint about their working and payment conditions, and shall deliver an information leaflet stating all information on such submission, including a guarantee that the person submitting a complaint will bear no consequences. The Contractor shall keep the Book of Complaints and Requests The contents of the leaflet and the format of the Book shall be agreed with the Consultant.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
103.	<p><b>Provision of safe working conditions</b> The Contractor shall provide such conditions, both at and outside the Task site (during Task-related activities, e.g. during transport), to prevent any accident involving persons engaged in the implementation of the Contract, including the personnel of the Contractor, Engineer, Investor, Subcontractors and others, as well as third parties. In case of such an accident, it is required to:</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p>

	<ul style="list-style-type: none"> <li>immediately provide appropriate assistance to the injured person;</li> <li>secure the scene;</li> <li>notify the Engineer as soon as possible about the event and the manner it was handled by the Contractor;</li> <li>notify appropriate services and allow them access to the scene.</li> </ul>	<i>No problems with the implementation of the measure or irregularities were identified.</i>
104.	<p><b>Employment conditions for adolescent workers</b> The Contractor may hire for the Contract only such adolescent workers who are at least 15 years of age, completed an at least eight-year primary school, and presented a medical certificate confirming that the assigned type of work does not pose any risk to their health. The Contractor shall ensure that juveniles (persons under the age of 18) will not perform works prohibited to juveniles in accordance with applicable regulations (see p. 6.15. of the EMP).</p>	<p><b>Measure not implemented</b></p> <p>Measure implementation was not required during the works.</p> <p>During the period of the Contract, the Contractor did not employ any adolescent workers</p>
105.	<p><b>Contractor's OHS supervision</b> The Contractor shall ensure continuous OHS supervision during the implementation of the Task. The scope of duties, qualifications and composition of Contractor's OHS services shall conform to Polish labour law Before the works, Contractor's OHS supervisors shall carry out dedicated training for Contractor's personnel on work safety and the risk of accident while implementing the Task.</p>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date - in November 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
106.	<p>The Contractor must apply and observe all labour law provisions applicable in Poland, in particular all the provisions of the Labour Code, and comply with the ES Code of Conduct. In particular, the following issues should be reflected in Contractor's employment policy and salary regulations:</p> <ul style="list-style-type: none"> <li>the assurance of equality in remunerating employees who perform the same work, without regard to their gender, age or sexual orientation;</li> <li>the assurance that persons employed for the Contract will not be persecuted or discriminated on the grounds of gender, sexual orientation or age;</li> <li>the assurance that the Contractor will, according to its capacity, conditions and the provisions of the Polish Labour Code, satisfy the needs of its personnel in terms of welfare and amenities in the place of work;</li> <li>the assurance that the Contractor facilitates the improvement of professional qualifications of its personnel.</li> </ul>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation started late relative to the Contract start date – in September 2021. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>
107.	<p><b>If a state of epidemiological threat or epidemic applies during the works, the Contractor shall:</b></p> <ol style="list-style-type: none"> <li>provide persons remaining at the construction site with all necessary preventive measures to maintain the health and safety of workers and Contractor's Personnel, in the scope defined in the Conditions of the Contract, in particular by taking adequate measures to avoid or minimise the spread of diseases, including measures aimed to avoid or minimise the spread of infectious diseases which may be related to the inflow of permanent workforce in connection with the Contract, in the manner prescribed by applicable laws, for example by the Regulations on establishing certain restrictions, orders and prohibitions due to the state of epidemics, issued under Article 46a of the Act of 5 December 2008 on the prevention and fighting against infections and infectious diseases of human (consolidated text: Polish Journal of Laws 2019, item 1239, as amended),</li> <li>designate a person responsible within the Contract for matters concerning the health and safety at work during epidemics or the state of epidemiological threat,</li> <li>implement relevant recommendations of the World Bank and sanitary services for the territory of the Republic of Poland,</li> <li>co-operate with the Contracting Authority and the Engineer, in particular to provide ongoing information on the precautions taken or planned, including with regard to the appropriate security</li> </ol>	<p><b>Measure implemented and completed</b></p> <p>Measure implementation began in November 2021, i.e., the first full month of construction works. Measure completed in November 2023, following the completion of reclamation and clean-up works.</p> <p><i>Failures were found in the implementation of the measure. They are described in item 4.4 herein.</i></p>



	<p>of the Construction Site against unauthorised access, the procedures put in place and the appropriate updating of the documents described in item 6.14 in particular the OHS Plan, the Waste Management Plan, the Site Arrangement Plan, the ES Management Strategies and Implementation Plans,</p> <p>e) organise an information campaign (e.g. in the form of posters and instructions placed at the Construction Site) concerning the symptoms and signs of infection, the spread of the virus, and the methods of protection (including regular hand washing)</p> <p>f) arrange training sessions for workers and Contractor's Personnel, covering at least the following:</p> <ul style="list-style-type: none"><li>i. revised procedures and documents,</li><li>ii. the symptoms and signs of COVID-19 (or any other infectious disease related to an introduced state of epidemic / epidemiological threat), including independent monitoring of such symptoms, the spread of the virus, and available protective measures,</li><li>iii. procedure in case of noticing any symptoms of the disease in ourselves or other persons,</li><li>iv. applicable regulations concerning the quarantine of employees and their families, remuneration for the period of disease, isolation or quarantine, the provision of healthcare, including sanitary transport provided to prevent infection,</li><li>v. applicable procedures of reporting any breach or filing complaints by employees,</li><li>vi. waste handling, for example masks, gloves, disinfectants and cleaning agents.</li></ul> <p>During the state of epidemic or the state of epidemiological threat, as far as permitted by law, training sessions should be conducted through means of electronic communication or in the form of self-training.</p> <p>The aforesaid rules shall be applied in an appropriate manner in case of the state of epidemic or the state of epidemiological threat established in the Republic of Poland due to any other infectious disease.</p>	
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**Part II. Checklist for the implementation of monitoring measures listed in Appendix 2 to the EMP for Contract 1B.5/3.**

<b>Item</b>	<b>Monitoring measures according to Appendix 2 to the EMP</b>	<b>Implementation status in the reporting period</b>
<p><b>1-111</b></p>	<p><b>Monitoring of the implementation of mitigating measures from Appendix 1 to the EMP</b></p> <p>Monitoring subject As described in items 1-111 in Appendix 2 to the EMP.</p> <p>Monitoring location As described in items 1-111 in Appendix 2 to the EMP.</p> <p>Mode of monitoring As described in items 1-111 in Appendix 2 to the EMP.</p> <p>Time and frequency of monitoring As described in items 1-111 in Appendix 2 to the EMP.</p> <p>Monitoring unit: Engineer and Contractor (as described in items 1-111 in Appendix 2 to the EMP).</p>	<p><b>Implemented and completed</b></p> <p>Monitoring of measures started from the date of Contract signature, i.e., in Q3 2021. Subsequent measures were implemented according to the progress of the works. Monitoring was carried out until the end of the reporting period, Q3 2023.</p> <p>No problems were found with the implementation of monitoring measures.</p>

**Part III. List – quantitative summary of the implementation of measures listed in Appendix 1 and 2 to the EMP in the reporting period**

The table below presents a quantitative summary of the implementation of measures listed in Appendix 1 and 2 to the Environmental Management Plan (EMP) for Contract 1B.5/3 in the reporting period.

Category	Mitigation measures items 1-107 in Appendix 1 to the EMP		Monitoring measures items 1-111 in Appendix 2 to the EMP	
	Quantity	Item No.	Quantity	Item No.
Measures implemented and completed in the reporting period	99	1-10, 12-17, 19-20, 22-29, 32-79, 81-84, 86-103, 105-107	111	1-111
Measures not implemented in the reporting period (deemed not relevant for the reporting period – there was no need for implementation)	8	11, 18, 21, 30, 31, 80, 85, 104	-	-

# Appendix 2

Photographic documentation

**Photo documentation  
for Contract 1B.5/3**

**Appendix 2 to the Final Report**

This document constitutes Appendix No. 2 to the Final Report on the implementation of measures specified in the Environmental Management Plan for Contract 1B.5/3

(reporting period: July 2021 – November 2023)



Photo 1. Track in the central part of the Task prior to the start of works.



Photo 2. Tree and shrub felling in the Task area.



Photo 3. Protection for trees at risk of damage.



Photo 4. Containers for waste sorting.



Photo 5. Protected habitats: riparian willow forest and oxbow lake in the vicinity of the Task area.



Photo 6. Fencing and marking of protected habitats with signs, installation of nesting boxes.



Photo 7. Herpetological fencing at a body of water.



Photo 8. Excavations – potential traps for small animals.





Photo 9. Site of the invasive species of Sakhalin knotweed on a railway embankment.



Photo 10. Bridge over Suchodół – an object included in the provincial records of monuments.



Photo 11. Inspection of the condition of access roads.



Photo 12. Railway embankment – land reclamation.



Photo 13. Reclaimed area of the main site facilities.



Photo 14. Reclaimed area of the storage yard.