

CHECKLIST FOR IMPLEMENTATION OF THE MEASURES SPECIFIED IN APPENDIX 1 AND 2 OF THE ENVIRONMENTAL MANAGEMENT PLAN

Appendix no. 1

to the Final report on the implementation of the measures specified in the EMP
for Contract 3D.3

Odra-Vistula Flood Management Project

OVFMP Subcomponent	3D: Passive and Active Protection in San Basin
Contract Task	3D.3 Łęg IV – extension of the left river embankment at chainage km 0+082-5+030 within the Commune of Gorzyce, and of the right embankment at chainage km 0+000-5+236 within the Commune of Gorzyce
Investor / Project Implementation Unit	State Water Holding Polish Waters – Regional Water Management Authority in Rzeszów, 35-103 Rzeszów, 17B. Hanasiewicza Street
Project Implementation Office (PIO)	State Water Holding Polish Waters – Regional Water Management Authority in Rzeszów, 35-103 Rzeszów, 17B. Hanasiewicza Street
Works Contractor	EKOMEL Sp. z o. o. ul. Wojska Polskiego 21, 23- 300 Janów Lubelski; Zakład Usług Wodno – Melioracyjnych i Rekultywacji Sp. J. Mieczysław Siemaszek, Antoni Gancarz ul. Portowa 14, 27 – 600 Sandomierz; ROBSON Sp. z o. o. ul. Przemysłowa 3, 27 – 600 Sandomierz
Engineer	AECOM Polska Sp. z o.o. 34a. Domaniewska Street, 02-672 Warsaw, Poland

This document – forming **Appendix no. 1** to the *Final report on the implementation of the measures specified in the Environmental Management Plan for Contract 3D.3* (reporting period: May 14, 2021 – August 31, 2023), elaborated by the Engineer/Consultant, consists of the following 3 parts:

- Part I. Checklist for implementation of the mitigation measures listed in Appendix 1 to the EMP for contract 3D.3
- Part II. Checklist for implementation of the monitoring measures listed in Appendix 1 to the EMP for contract 3D.3
- Part III. Quantitative list for implementation of the measures listed in Appendix 1 and 2 to the EMP, in the reporting period.

Part I. Checklist for implementation of the mitigation measures listed in Appendix 1 to the EMP for contract 3D.3

Explanations for the checklist presented in Part I

The measures listed in Appendix 1 to the EMP for Contract 3D.3 are grouped in 19 thematic categories (marked with letters A.-S.):

Cat.	Category Name	Item on the list
A	<i>Requirements on the schedule of works and implementation of the EMP</i>	1-2
B	<i>Requirements on purchase and compensation</i>	3-4
C	<i>Requirements on access roads to the Contract Area</i>	5-12
D	<i>Requirements on location of site facilities and service roads and yards</i>	13-15
E	<i>Requirements on removal of trees and shrubs</i>	16-18
F	<i>Requirements on protection of trees and shrubs not intended for removal</i>	19-25
G	<i>Requirements on securing protected natural resources</i>	26-49
H	<i>Requirements on ground management (including topsoil)</i>	50-55
I	<i>Requirements on land reclamation after completion of works</i>	56-57
J	<i>Requirements on prevention of pollution emission to the ground and water environment</i>	58-75
K	<i>Requirements on prevention of pollution emission to the air</i>	76-78
L	<i>Requirements on prevention of noise emission</i>	79-83
M	<i>Requirements on waste management</i>	84-88
N	<i>Requirements on health and safety protection</i>	89-95
O	<i>Requirements on extraordinary threats to the environment</i>	96-99
P	<i>Requirements on conservation of historic monuments</i>	100-101
Q	<i>Requirements on the Contractor's personnel implementing the EMP</i>	102-107
R	<i>Requirements on reporting on the implementation of the EMP</i>	108-109
S	<i>Remaining ES requirements</i>	110-120

The numbers in the column “Item on the list” – from 1) to 120) – stand for the numbers of relevant mitigation measures, according to the numbering in Appendix 1 of the EMP.

The following is given for each of mitigation measures:

- description of the measure (marked with ***bold and italicised font*** together with number in the column “Item”);
- literal content of the measure in the wording of Appendix 1 of the EMP.
- description of the implementation status of the measure in the reporting period.

Table 1. Checklist for implementation of the mitigation measures listed under Appendix 1 to the EMP for Contract 3D.3

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
1.	<p>EMP conditions on the time of works and on implementation of selected measures associated with the EMP implementation</p> <p>When setting work schedules and at the stage of their implementation, the EMP conditions regarding the dates and time of conducting various types of work should be taken into account, described in detail in the consecutive items of the table, including, but not limited to:</p> <p>a) acceptable hours of works (see item 80);</p> <p>b) acceptable periods for the execution of works (see item 97);</p> <p>c) acceptable time and hour of deliveries on access roads to the construction site (see item 8);</p> <p>d) dates for the activities related to removal of topsoil layer/mineral soil layer (see item 53);</p> <p>e) acceptable dates for removing trees and shrubs (see item 17, 18);</p> <p>f) dates of environmental inspection before removal of trees (see item 18);</p> <p>g) dates of other inspections and environmental inventories (see items 28, 29, 30, 35, 37, 41, 42, 46, 48);</p> <p>h) dates of obtaining administrative decisions allowing for exceptions from bans related to the protected species (see items 17, 49);</p> <p>i) allowable dates for carrying out works posing a direct threat for protected species of fauna (see items 33, 34, 36, 43, 45);</p> <p>j) dates for removing of the water reservoirs and temporary water deposits on the construction site (see item 40, 41, 42, 43);</p> <p>k) acceptable dates for carrying out works in water channels (see items 44, 64, 65);</p> <p>l) the optimal date for conducting works within the root volumes of trees and shrubs and dates for protection of uncovered roots of trees and shrubs (see items 23, 24);</p> <p>m) dates of actions associated with reinstatement of a fertile layer of soil, sowing, and curing of grassland (see items 56, 57);</p> <p>n) dates of trainings and educational actions associated with implementation of the EMP (see items 107, 113, 115, 117, 118, 119, 120);</p> <p>o) dates of cyclic meetings on implementation of the EMP (see item 108);</p> <p>p) deadlines for reporting the implementation of the EMP (see items 102, 105, 107, 109).</p>	<p>Implementation status for particular elements:</p> <p><u>a. Works performance hours</u> See: description under item no. 80.</p> <p><u>b. Works performance periods</u> See: description under item no. 97.</p> <p><u>c. Acceptable time and hour of deliveries on access roads to the construction site</u> See: description under item no. 8.</p> <p><u>d. Dates for the activities related to removal of topsoil layer/mineral soil layer</u> See: description under item no. 53.</p> <p><u>e. Dates for removing trees and shrubs</u> See: description under items no. 17, 18.</p> <p><u>f. Dates of environmental inspection before removal of trees</u> See: description under item no. 18.</p> <p><u>g. Dates of other inspections and environmental inventories</u> See: description under items no. 28, 29, 30, 35, 37, 41, 42, 46, 48.</p> <p><u>h. Dates of obtaining derogation decisions</u> See: description under items no. 17, 49.</p> <p><u>i. Dates for carrying out works for protected species of fauna</u> See: description under items no. 33, 34, 36, 43, 45.</p> <p><u>j. Dates for removing of the water reservoirs and temporary water deposits on the construction site</u> See: description under items no. 40, 41, 42, 43.</p> <p><u>k. Dates for carrying out works in water channels</u> See: description under items no. 44, 64, 65</p> <p><u>l. Dates of works and protection of greenery</u> See: description under items no. 23, 24.</p> <p><u>m. Dates of reclamation activities and sowing</u> See: description under items no. 56, 57.</p> <p><u>n. Dates of trainings and educational actions</u> See: description under items no. 107, 113, 115, 117, 118, 119, 120.</p> <p><u>o. Dates of meetings on implementation of the EMP</u> See: description under item no. 108.</p> <p><u>p. Deadlines for reporting the implementation of the EMP</u> See: description under items no. 102, 105, 107, 109.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
2.	<p>EMP conditions on activities to be carried out before or at the initial stage of works in a given section</p> <p>When setting work schedules and at the stage of their implementation, the EMP conditions should be taken into account regarding activities to be carried out before or at the initial stage of works, described in detail in the following items of the table, including e.g.:</p> <p>a) conditions for building and equipping the construction site facilities, service roads and sites (see items 10, 13, 14, 15, 35, 37, 60, 67, 68, 69, 70, 71, 76, 77, 81, 85, 86, 87, 92, 94, 95);</p> <p>b) conditions for the road access to the construction site (see items 5, 6, 7, 8, 9, 10, 11);</p> <p>c) conditions for the removal and protection of topsoil layer/mineral soil layer (see items 52, 54);</p> <p>d) conditions for removal trees and shrubs (see item 16);</p> <p>e) the condition for securing trees and shrubs unintended for removal (see item 21);</p> <p>f) conditions for the implementation of environmental inspections and inventories (see items 28, 29, 30, 35, 38);</p> <p>g) conditions for carrying out works posing a direct threat for protected species of fauna (see item 33);</p> <p>h) the condition for securing the building site against the entry of small animals (see item 35);</p> <p>i) the condition for obtaining decisions authorizing exceptions to the protection principles for species of plants, fungi and animals (see item 49);</p> <p>j) conditions for carrying out works in water channels (see items 61, 62, 63, 65);</p> <p>k) conditions for draining construction excavations (see item 66);</p> <p>l) conditions for the development of selected documents (see items 7, 49, 51, 65, 84, 89, 96, 100, 102, 104, 105, 106, 109, 110, 117, 118);</p> <p>m) conditions for documentation of technical condition of buildings and infrastructure facilities (see items 9, 91);</p> <p>n) the condition for inventory of illegal landfills and waste disposal (see item 88);</p> <p>o) the condition for obtaining the Engineer's approval for the appointed person to be EMP coordinator and the composition of the team of environmental experts, the team of archaeological experts, and the team of sappers (see items 103, 105, 106);</p> <p>p) the condition for training and educational actions (see items 107, 113, 115, 117, 118, 119, 120);</p> <p>r) conditions for payment of compensation (see items 3, 4).</p>	<p>Implementation status for particular elements:</p> <p><u>a. Development and furnishing of the site facilities, as well as technological roads and yards</u> See: description under items no. 10, 13, 14, 15, 35, 37, 60, 67, 68, 69, 70, 71, 76, 77, 81, 85, 86, 87, 92, 94, 95.</p> <p><u>b. Road access to the construction site</u> See: description under items no. 5, 6, 7, 8, 9, 10, 11.</p> <p><u>c. Removing and securing the topsoil/mineral soil</u> See: description under items no. 52, 54.</p> <p><u>d. Removal of trees and shrubs</u> See: description under item no. 16.</p> <p><u>e. Protection of trees and shrubs</u> See: description under item no. 21.</p> <p><u>f. Implementation of environmental inspections and inventories</u> See: description under items no. 28, 29, 30, 35, 38.</p> <p><u>g. Conditions for carrying out works posing a direct threat for protected species of fauna</u> See: description under item no. 33.</p> <p><u>h. Protection of the construction site against occurrence of animals</u> See: description under item no. 35.</p> <p><u>i. Obtainment of derogation decisions</u> See: description under item no. 49.</p> <p><u>j. Carrying out works in water channels</u> See: description under items no. 61, 62, 63, 65.</p> <p><u>k. Draining construction excavations</u> See: description under item no. 66.</p> <p><u>l. Development of documents</u> See: description under items no. 7, 49, 51, 65, 84, 89, 96, 100, 102, 104, 105, 106, 109, 110, 117, 118.</p> <p><u>m. Documentation on the technical condition for buildings and infrastructural objects</u> See: description under items no. 9, 91.</p> <p><u>n. Inventory of illegal landfills for garbage and waste</u> See: description under item no. 88.</p> <p><u>o. Approval for the EMP coordinator and the composition of the team of environmental experts, the team of archaeological experts, and the team of sappers</u> See: description under items no. 103, 103, 105, 106.</p> <p><u>p. Trainings and educational actions</u> See: description under items no. 107, 113, 115, 117, 118, 119, 120.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
		<p>r. <u>Payment of compensation</u> See: description under items no. 3, 4.</p>
3.	<p>Compensation for permanent acquisition Purchase and payment of compensation for permanent acquisition and for support to Project Affected Persons – according to the Land Acquisition and resettlement Action Plan.</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works.</p>
4.	<p>Compensation for temporary acquisition Payment of compensation for temporary acquisition prior to the commencement of performance and/or on the performance stage – according to the Land Acquisition and resettlement Action Plan.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
5.	<p>Location of access routes to the Contract Area The existing road system shall be applied to the greatest feasible extent as access routes to the <i>Contract Area</i>. If it would be necessary to apply the existing non-public roads (so-called internal roads) as access roads, the Contractor shall be obliged to priorly establish conditions for use of those roads with their owners or administrators, and subsequently to observe those conditions within the <i>Contract Implementation Period</i>. Draft establishments shall be submitted to the Engineer for approval prior to signing.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
6.	<p>Setting new access roads out If it would be necessary to develop new access roads to the <i>Contract Area</i> (beyond the existing system of public and non-public roads), the following conditions are binding: a) new access roads shall be set out at the possible shortest distance, beyond the area of high environmental value, and in a way minimizing necessary removal of trees and shrubs; b) planned locations of new access roads shall be agreed with the environmental team (discussed under item 103), and shall be provided – including the aforementioned establishments – for the Engineer’s acceptance; c) planned locations and conditions for application of new access roads shall be agreed with owners or administrators of land located within the lane of planned roads or in a direct vicinity of that lane, and subsequently those conditions shall be observed within the <i>Contract Implementation Period</i>. Draft establishments shall be submitted to the Engineer for approval prior to signing. d) obtainment of the aforementioned establishments does not release the Contractor from necessary observance of binding regulations on planning and execution of transportation beyond the existing road network.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2022 and was completed in the 2nd quarter of 2023. No need to implement the measures was determined over the next quarters.</p>
7.	<p>Development of and agreement on temporary traffic organization designs Prior to the commencement of use for particular sections of access roads to the <i>Contract Area</i>, the Contractor shall submit to the Engineer for approval the temporary traffic organization designs for the time of works, as agreed upon with Road Managers, Police, and other authorities and entities associated with provision of safety on roads (especially in vicinity of entry roads to and exit roads from the construction site). Depending on the needs and on the progress of works, those designs should be updated and presented for re-acceptance by the Engineer (including the aforementioned establishments).</p>	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period of the 2nd and 3rd quarter of 2021. The Contractor did not present all required documents with the relevant agreements from road managers for the Engineer’s information. The Engineer recommended to supplement the documents, the shortcomings of which implied partial completion of the task. The Contractor supplemented the missing documents in the following reporting period. The above shortcoming has no actual impact on the environment.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
8.	<p>Assurance of safety and liquidity of traffic on access roads In the <i>Contract Implementation Period</i> the Contractor shall – on an ongoing basis and in proper advance – undertake any organizational and technical measures to assure safety and liquidity of traffic on access roads to the <i>Contract Area</i> (especially in vicinity of entry roads to and exit roads from the construction site), including e.g.:</p> <p>a) the Contractor shall ensure proper marking of all currently applied access roads to the <i>Contract Area</i>, in accordance with applicable law and arrangements with relevant Road Managers and Police (including compliance with the Engineer-accepted temporary traffic organization designs discussed under item 7). These markings will be regularly inspected, and in the event of their destruction or theft, the Contractor will immediately take action to restore or complement them;</p> <p>b) depending on the needs the Contractor shall supply, assemble, and operate additional temporary safety devices (e.g. light signalization, information boards, protective barriers, manual traffic management system, etc.) to assure safety for vehicles and pedestrians on access roads to the <i>Contract Area</i> and in vicinity of entry roads to and exit roads from the construction site. The aforementioned additional safety devices shall be priorly agreed with relevant Road Authorities and with the Police.</p> <p>c) at planning of measures that may result in an increase of traffic intensity in case of vehicles and construction machines on access roads and in vicinity of entry roads to and exit roads from the construction site (e.g. deliveries and removal of construction materials, deliveries of equipment and construction machines, offloading, etc.), the Contractor shall do its best to avoid having the planned deadlines, time, and implementation method for the aforementioned measures disturb the traffic, and especially in time of intensive traffic in a given location.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period of the 2nd and 3rd quarter of 2021. The Contractor did not present all required documents with the relevant agreements from road managers for the Engineer’s information. The Engineer recommended to supplement the documents, the shortcomings of which implied partial completion of the task. The Contractor supplemented the missing documents in the following reporting period. The above shortcoming has no actual impact on the environment.</p>
9.	<p>Documentation on the original state of the site, access roads, and their surroundings The Contractor shall be obliged to document the original state of areas, which may undergo unfavourable impact due performance of the construction works, including the following e.g.:</p> <p>a) the Contractor is obliged to provide photographic documentation of the entire <i>Contract Area</i> and access roads, with particular reference to the technical condition of roads and buildings located in the vicinity of the roads for transporting building materials and construction equipment. The completed documentation should be described with the place and the date of development thereof;</p> <p>b) prior to the commencement of use in case of particular section of access roads to the <i>Contract Area</i>, the Contractor shall carry out site inspections in the presence of Road Administrators, subsequently to which the protocols of the condition of access roads shall be developed. Based on the protocols, the Contractor will be obliged to restore the technical condition of the roads (see also: item 12).</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
10.	<p>Keeping the access roads clean In order to keep the access roads to the <i>Contract Area</i> clean and prevent accidents on the access roads the Contractor will be obliged to take the following steps:</p> <p>a) to apply all available technical means and organize works to minimize the dusting and pollution of access roads to the <i>Contract Area</i>;</p> <p>b) to immediately and systematically remove any dirt caused on the access roads as a result of the movement of vehicles, machines and equipment related to the implementation of the Contract (especially in vicinity of entry roads to and exit roads from the construction site).</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure within the periods of: spring, autumn and winter quarters. Occasional cases were identified of pollution of access roads to the works area (on public roads). The Contractor made efforts to keep the roads clean, which was hampered by weather conditions during the autumn, winter and spring period. No considerable, negative impact of the shortcoming on the surrounding environment was identified.</p>
11.	<p>Observing load limits at access roads and conditions for transportation of non-standard loads The works shall be planned and performed in a way, which would assure the absence of deterioration of technical conditions for the access roads to the <i>Contract Area</i>, and especially due to deliveries of construction materials and construction equipment. The Contractor shall comply with the statutory load limits on the axle when transporting materials and equipment to and from the <i>Contract Area</i>. The Contractor shall obtain all necessary permits for the transport of non-standard loads and shall notify the Engineer of any such transport on a continuous basis</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
12.	<p>Repairs to buildings and infrastructural elements The Contractor will be liable for any damage to civil structures and buildings, roads, drainage ditches, culverts, water and gas pipelines, power poles and lines, cables, geodetic control points and installations of any kind, and other types of objects such as vertical and horizontal markings, navigation markings, information boards, cultural heritage structure, etc., caused by him or his subcontractors, service providers and suppliers <i>during the implementation of the Contract</i>. The Contractor will be also responsible for restoring the flow of ditches and drainage systems in the area of works and used transport roads, in the event of damages caused by the performance of works and transport connected with the works, The Contractor shall immediately repair any damage at its own expense and, if necessary, carry out other works ordered by the Engineer (see also: item 9).</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was executed in the 3rd quarter of 2023. No need to implement the measure over the next quarters was determined.</p>
13.	<p>Obligation to build construction site facilities, technological roads and yards Construction site facilities, technological roads and yards must be completed prior to the commencement of construction works. Construction site facilities are used to store building materials, for garaging, refuelling and repairing of vehicles, machines and equipment, and to provide location of social facilities (locker rooms, office, workshop, portable sanitary cabins) and waste containers. Equipment for site facilities should meet, among others, conditions provided for in detailed items 10, 13, 14, 15, 35, 37, 60, 67, 68, 69, 70, 71, 76, 77, 81, 85, 86, 87, 92, 94, 95. When planning the above-mentioned facilities of the construction site, economic land use shall be assured and their space should be limited to the necessary minimum (see also: item 26).</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period from the 3rd quarter of 2021 to the 1st quarter of 2022. Cases were identified of the short-term absence of some of the required construction facilities at the Contract area and short-term problems with the development and equipment of some of the facilities. The Contractor took efforts as soon as possible to provide the work area with all locations of facilities and their appropriate development, in line with the contract documents. This shortcoming has no actual environmental impact.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
14.	<p>Conditions for location of site facilities, backyards, storage sites etc. Site facilities, equipment bases, material storage sites and technological yards, construction materials and soil storage sites, and parking lots, etc. should be located:</p> <ul style="list-style-type: none"> a) in the areas ensuring no impact of noise on acoustically protected areas; b) in the greatest distance from residential houses; c) outside the immediate vicinity of flood waters of the river (also beyond the embanked area), and outside the areas where water may be contaminated; d) at least 20 m from: woods, wetlands, areas with stagnant water and drainage ditches; e) beyond the reach of natural habitats and other areas of high natural value; f) taking into account the principle of minimizing land acquisition and transformation of its area and the obligation of land reclamation after completion of works. <p>The locations intended for site facilities, site facilities organization plans should be agreed with a team of environmental experts (discussed under item 103) and presented for the Engineer's approval together with expert agreements.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period from the 3rd quarter of 2021 to the 1st quarter of 2022, 2nd quarter of 2023. Cases were identified of the short-term absence of some of the required construction facilities at the Contract area and short-term problems with the development and equipment of some of the facilities. The Contractor took efforts as soon as possible to provide the work area with all locations of facilities and their appropriate development, in line with the contract documents. This shortcoming has no actual environmental impact.</p>
15.	<p>Conditions for the location of service roads and technical yards Service roads and technical yards should be located:</p> <ul style="list-style-type: none"> a) in areas allowing for maintenance of conformity with binding regulations on acoustic protection of land; b) at the maximum possible distance from existing residential buildings; c) at the maximum possible distance from existing watercourses, water reservoirs and wetlands; d) in areas allowing for keeping the existing trees and shrubs growing outside the places necessary to occupy the area in connection with the implementation of the project; e) outside the areas with the highest natural values; if the condition cannot be met in a given location, service roads should be located in the immediate vicinity of the works, taking up minimum necessary space of the areas; f) in the first place on existing roads. <p>The detailed locations intended for service roads should be agreed with a team of environmental experts (discussed under item 103), including specialists in zoology and botany and phytosociology, taking into account the condition of not deteriorating the ecological status of the natural objects inventoried in this zone. Locations of the service roads should be presented for the Engineer's approval together with the above-mentioned expert agreements.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
16.	<p>Acceptable scope and general conditions of removal trees and shrubs Removal of trees and shrubs shall be limited to the necessary minimum allowing for the performance of works. Only trees and shrubs growing in the very close vicinity of the extended embankments, up to 821 trees, and shrubs from an area of about 1.176 ha should be removed. Trees and shrubs planned for removal shall be precisely located and visibly marked on site. Compliance between the location and the number of trees and shrubs marked on site (as planned for removal) and the information on this subject contained in the current project documentation, should be confirmed by a written opinion of environmental supervision (discussed under item 103).</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
17.	<p>Acceptable time of removal trees and shrubs Felling and/or other forms of removal of trees and shrubs in the aboveground part should be carried out outside the breeding season of birds, i.e. outside the period from March the 1st to October the 15th (this condition does not apply to removal of stumps and roots of trees and shrubs remaining after the above works).</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works.</p>
18.	<p>Environmental supervision before and during removal of trees In the case of removing trees, the following rules apply additionally: a) removal of trees should be preceded by the inspection of these trees for the presence of protected species of birds, invertebrates and bats, carried out by the experts: ornithologist, entomologist and chiropterologist (discussed under item 103), in no more than 1 week time before removal the tree; b) in case protected species of birds, invertebrates and/or bats in trees planned for removal are detected, the experts will schedule acceptable deadlines and ways to carry out removal of trees as well as determine the methods of dealing with the wood inhabited by protected animal species. The deadlines for removal as scheduled by the experts can not violate the conditions specified in item 17; c) in case protected species of birds, invertebrates and/or bats in trees planned for removal and/or trees currently subject to removal are detected, an administrative decision required by law should be obtained to allow for exceptions to the prohibitions applicable to protected animal species (if required in a given case); d) if relocation of protected species of birds, invertebrates and/or bats from trees planned for removal and/or from trees currently subject to removal would be necessary, it shall be done under the supervision and in accordance with the guideline of a competent environmental expert, discussed under item 103. A memo and photo documentation shall be developed on relocation of the encountered species of animals, in accordance with guidelines given in the obtained administrative decisions. The memo shall at least state the following: type and quantity of relocated species, indication of the present site and the site of relocation, determination of a relocation method, and the time when it was done.</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
19.	<p>Protection of areas below tree and shrub crowns</p> <p>It is prohibited to collect any building materials and waste in the vicinity of the tree trunks, i.e. within the range of the tree crown outline and at least 2 m outside the tree crown outline and shrubs. Construction works should be carried out in a way that does not harm trees and shrubs that have not been intended for removal. At a distance of less than 2 m from the edge of the protrusion of the crown of trees and shrubs not intended for removal, it is forbidden to:</p> <p>a) store construction materials, earth masses (including topsoil), waste, and other materials that may influence the increase in tamping and changes in soil aeration or posing risk of pollution to the soil and water environment within that zone;</p> <p>b) outline roads and service yards, parking spaces and other elements that may influence the increase in tamping and changes in soil aeration;</p> <p>c) allow for traffic, stopover and parking of vehicles, machines and equipment;</p> <p>d) smoke or use fire, use equipment or machines producing high temperature that can cause drying of the crown of trees and shrubs.</p> <p>The storage of substances that may pollute the soil and water environment is prohibited at a distance of less than 10 m from trunks of trees and shrubs not intended for removal.</p>	<p>IMPLEMENTED</p> <p>Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period of: from the 3rd quarter of 2021 to the 1st quarter of 2022; from the 3rd quarter of 2022 to the 4th quarter of 2022; from the 2nd quarter of 2023 to the 3rd quarter of 2023. Due to the spatial limitations of the site, single instances of inappropriate storage of earth masses and construction materials and the parking of construction vehicles in the vicinity of trees (failure to maintain adequate distance) were identified. The team of environmental experts has not found that the described cases would pose a threat to the health of the above-mentioned trees; however, it has recommended the Contractor to remove the building materials from the vicinity of trees in the soonest possible time as well as to adjust the parking areas of construction equipment to the surrounding zones of the trees outside the felling. Each time, the Contractor followed the Engineer's recommendation and implemented appropriate greenery protection measures in the neighbourhood of the conducted works. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>
20.	<p>Fencing of the areas under crowns of trees and shrubs</p> <p>Trees and shrubs not expected to be removed growing within the construction site (together with temporary occupation areas) should be secured in a way visible to all participants of the works. These fences should be installed before the commencement of works on a given section of works and kept in good condition until the completion of works that could have an adverse effect on the trees and shrubs in question. During the <i>Contract Implementation Period</i>, the condition of tree trunks exposed to damage should be monitored on an ongoing basis and the protection should be maintained in a proper condition, whilst guaranteeing a proper protection for trunks against mechanical damage. After completion of the works, the above-mentioned fences must be removed.</p>	<p>IMPLEMENTED</p> <p>Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 3rd quarter of 2021 to the 1st quarter of 2022; from the 3rd quarter of 2022 to the 4th quarter of 2022, from the 2nd quarter of 2023 to the 3rd quarter of 2023. Incidental cases of missing or insufficient fencing of areas under the crowns of trees and shrubs at risk of damage, left outside the felling, were found. Each time, the Contractor followed the Engineer's recommendation and implemented appropriate greenery protection measures in the neighbourhood of the conducted works. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
21.	<p>Protection of tree trunks not intended for removal</p> <p>Prior to the commencement of construction works in a particular section, trunks of trees – not intended for removal – exposed to mechanical damage should be protected, e.g. through application of straw mats or formwork made of wire-covered boards.</p> <p>If it is technically impossible to use the above protection, it is recommended to fence off the groups of trees/shrubs to be fenced off for the duration of the works. The following will be used for the protection of greenery, e.g.: wooden posts about 2.5 m high, polypropylene mesh about 1.8 m high in bright colour or galvanized wire. If the implementation of the above-mentioned solutions is not technically possible, the fencing should be made with coloured tape.</p> <p>If the wooden boards protection is used, the cladding elements should be installed in such a way that the boards tightly adhere to the entire surface of the trunk, and the edges of the boards do not cause bark damage; the lower parts of boards should be secured against the possibility of changing positions, for example by covering with earth, additional wire fastening, etc.).</p> <p>During the <i>Contract implementation period</i>, the condition of tree trunks exposed to damage should be monitored on an ongoing basis and the protection should be maintained in a proper condition, whilst guaranteeing a proper protection for trunks against mechanical damage.</p> <p>After the completion of works in a given section, trunk protection should be removed.</p> <p>The planned protection method for trees not to be removed should be agreed with a competent environmental expert (discussed under item 103), and the results of establishments shall be submitted for the Engineer's approval.</p>	<p>IMPLEMENTED</p> <p>Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works.</p> <p>Problems occurred with the implementation of the measure in the periods of: from the 3rd quarter of 2021 to the 3rd quarter of 2022; from the 2nd quarter of 2023 to the 3rd quarter of 2023.</p> <p>Incidental cases of missing or insufficient protection of tree trunks of the trees not scheduled for removal were found.</p> <p>Each time, the Contractor followed the Engineer's recommendation and implemented appropriate greenery protection measures in the neighbourhood of the conducted works.</p> <p>No significant negative impact of the shortcomings on the surrounding environment were identified.</p>
22.	<p>Protection or preventive cutting of tree boughs and branches exposed to damage</p> <p>In the case of boughs and branches not intended for removal, tree boughs and branches exposed to mechanical damage by working or moving vehicles, machinery and equipment should be protected against damage, e.g. by supporting the lowest growing branches and branches or by tying them to branches and branches growing above (each time in a way that does not damage the bark).</p> <p>If the above-mentioned protective measures cannot be applied, preventive cutting of tree boughs and branches exposed to mechanical damage should be carried out. Performing preventive cuts of tree boughs and branches always requires the Engineer's approval.</p> <p>These pruning cuts cannot disturb the natural habit of trees (they cannot cover more than 1/3 of the tree's green mass), they should ensure stability and statics of trees (pruning must be even on each side of the crown). Pruning spots shall properly be secured with a fungicide.</p> <p>The range of preventive cutting and the method of care for cut boughs and branches should be agreed with the team of environmental experts.</p>	<p>NOT IMPLEMENTED</p> <p>No need to undertake measures was determined during the execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
23.	<p>Works within tree and shrub root mass Works in the vicinity of root blocks of trees and shrubs not intended for removal should only be carried out manually, subject to the following conditions:</p> <ul style="list-style-type: none"> a) skeletal roots (with a diameter of over 4 cm) should not be cut off; b) excavations should be carried out no closer than 2 m from the trunk, if feasible; c) the time of root exposure to drying or freezing should be shortened to the minimum; d) the suitable period for carrying out the work in question is from October to April. <p>The above-mentioned activities should be performed in agreement with the Environmental Supervision Team.</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works.</p>
24.	<p>Securing of exposed roots of trees and shrubs Exposed roots of trees and shrubs not intended for removal should be covered with straw or jute mats, in accordance with guidelines of the team of environmental experts. From the beginning of April until the end of October the exposed roots shall additionally be protected against drying-out (e.g. through watering of the mats covering the roots). At negative temperatures these mats should be dry to avoid freezing of the roots.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 4th quarter of 2021 and was continued until the 1st quarter of 2022. No need to implement the measures was determined in the next quarterly periods. Problems occurred with the implementation of the measure in the above-mentioned periods. Incidental cases were found of inadequate protection of zones of exposed tree roots during earthworks. Each time, the Contractor followed the Engineer's recommendation and implemented appropriate greenery protection measures in the neighbourhood of the conducted works. No significant negative impact of the shortcomings on the surrounding environment were identified.</p>
25.	<p>Care in case of damaging trees and shrubs In case aboveground parts of trees and shrubs not intended for removal have been damaged, the necessary care measures should be carried out immediately, adequate to the place and type of damage. In case of root damage, the damaged ends should be trimmed off and the roots secured with a fungicide. The above-mentioned activities should be performed in agreement with the Environmental Supervision Team.</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works.</p>
26.	<p>Limiting the impact of Contract implementation on environmental resources For the purpose of limiting the adverse impact of the works on environmental resources present in the <i>Contract Area</i> and in its vicinity, the Contractor shall e.g.:</p> <ul style="list-style-type: none"> a) assure such organization of the works, to maximally reduce the <i>Contract Implementation Period</i>; b) assure economic use of the land and minimum transformation of its surface; c) limit the use and transformation of environmental elements only to the extent, which is necessary for proper and timely implementation of the Contract. 	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
27.	<p>Protection of the existing plant cover and lay of land within the construction site The Contractor shall do its best to keep the existing plant cover (trees, shrubs, and herbal vegetation) and the existing lay of land within those parts of the construction site, which are not directly associated with the performance of works (according to the binding design documentation). For that purpose, the traffic of vehicles and construction machines within the construction site should only be limited to the active performance sites or to planned construction works and other works associated with implementation of the Contract, as well as to the set-out service roads, storage yards, site facilities, etc.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 1st quarter of 2022 to the 2nd quarter of 2022. Incidental cases of construction vehicles moving out of the Contract area were identified. Each time, the Contractor followed the Engineer's recommendation and made efforts to ensure that the boundaries of the Contract area are not overstepped, and was regularly making the operators of construction machinery aware to respect the boundaries of the work area. In addition, the Contractor was regularly completing the fencing of the work zone (has made improvements to its condition in particular). No significant negative impact of the shortcomings on the surrounding environment were identified.</p>
28.	<p>One-time environmental inventory of the Contract Area prior to the commencement of works Prior to the commencement of works, a team of environmental experts (discussed under item 103) will be obliged to perform one-time environmental inventory of the contract area. The purpose of the inventory is to determine the current occurrence and distribution of natural habitats and habitats and sites of protected species of flora and fauna, including ongoing revision of information on the subject as included in the EMP and in other available source materials. If the presence of natural habitats and habitats or protected sites of plant and animal species in the <i>Contract Area</i> has been confirmed, it is necessary to act as follows: a) in the case of protected environmental habitats – further actions should be agreed with a competent environmental team's expert (discussed under item 103), and the results of the findings should be submitted to the Engineer for approval; b) in the case of habitats or sites of protected species – further actions should be agreed with a competent environmental team's expert (discussed under item 103), including conditions specified under item 49, and the results of the findings should be submitted to the Engineer for approval.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 2nd quarter of 2021 to the 3rd quarter of 2021. The Contractor performed an environmental inventory of the Contract area prior to the commencement of works, i.e. in the period of the 2nd quarter of 2021. At the same time, the Contractor submitted an incomplete document for the Engineer's approval. The Engineer recommended to supplement the document, the shortcomings of which implied partial completion of the task. The document was supplemented by the Contractor in the next reporting period. The above shortcoming has no actual impact on the environment.</p>
29.	<p>Preventing the spread of invasive species in phase of the Contract implementation Prior to the commencement of works in particular sections of the <i>Works Contract</i> one shall perform inspection to establish the current presence of foreign invasive species. The inspection shall be done the expert botanist, as discussed under item 103. In case of identifying the presence of foreign invasive plant species one shall determine and implement necessary measures to prevent the spread of the aforementioned plants due to implementation of the Contract. The invasive plants must be eradicated manually or mechanically, depending on the acreage occupied, before flowering and seed dispersal. Those measures shall be defined in agreement with the aforementioned expert, and the results of establishments shall be submitted to the Engineer for acceptance.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period of the 3rd quarter of 2022. The presence of a site of an invasive plant and a delay with the removal of this site was identified. The Contractor, after promptly urging the Engineer, has marked the site of the invasive plant and subsequently removed it. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
30.	<p>Preventing the spread of invasive species at the stage of embankment exploitation</p> <p>While carrying out maintenance works at the stage of embankment exploitation, the area covered by the project within the borders of the lines separating the investment, within five years from the time of completion of works, the area should be inspected for the appearance of foreign invasive plant species. In the event that the maintenance operations (mowing) of the embankment are not effective in removing the above-mentioned plants, action should be taken, after consultation with the botanist, to remove them effectively.</p>	<p>NOT IMPLEMENTED</p> <p>No need to undertake measures was determined during the execution of works.</p>
31.	<p>Securing valuable natural habitats in the vicinity of the Contract Area</p> <p>During the works, on the section at km 4+810 – 4+940 (the embanked area of the left embankment), the riparian habitat (91E0) should be protected against the possibility of accidental, mechanical damage to the trees and against the possibility of being driven by construction equipment. Permanent fencing in the form of security should be set up (e.g. with a warning tape). During the works, the riparian habitat of oxbow lakes (3150) should be protected against the possibility of accidental, mechanical damage to the trees and against the possibility of being driven by construction equipment. Permanent fencing in the form of security should be set up (e.g. with a warning tape) at the following chainage:</p> <ul style="list-style-type: none"> – km 0+880 – 1+000 (the embanked area of the right embankment), – km 1+050 (the embanked area of the right embankment), – km 0+130 – 0+270 (the embanked area of the left embankment). <p>During the works, the habitats of Cnidium meadows (6440) should be protected against the possibility of occupying an area larger than necessary. Permanent fencing in the form of security should be set up (e.g. with a warning tape) at the following chainage:</p> <ul style="list-style-type: none"> – km 0+120 – 0+420 (the embanked area of the right embankment), – km 1+760 – 2+040 (the embanked area of the right embankment), – km 0+770 – 0+960 (the embanked area of the left embankment), – km 1+700 – 1+980 (the embanked area of the left embankment), – km 4+490 – 4+670 (the embanked area of the left embankment). <p>The above-mentioned activities should be performed in agreement with the Environmental Supervision Team. During the <i>Contract implementation period</i>, the condition of the above-mentioned security fencing should be monitored on an ongoing basis. After completion of the works, the above-mentioned fences must be removed.</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
32.	<p>Conducting the works resulting in the destruction of natural habitats</p> <p>During the works related to permissible destruction about 1 are of the natural habitat 31502 (oxbow lake and small water reservoirs), in the following locations: km 0+880 – 1+000 and km 1+030 – 1+200 (the vicinity of the right flood embankment), execution of the above-mentioned activities should be agreed with the appropriate expert of the Environmental Supervision Team (discussed under item 103).</p>	<p>NOT IMPLEMENTED</p> <p>No need to undertake measures was determined during the execution of works.</p> <p>No need to destroy the indicated patches of habitat 3150-2 occurred during the execution of works. The progress and possible impact of the works on the habitat patches in question were monitored for the whole period of conducting the works. No negative impact of the works on the condition of the habitat was demonstrated at both locations.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
33.	<p>Terms of works resulting in the destruction of sites of protected fauna species</p> <p>Before starting the investment work related to mowing a part of the sites of Scarce Large Blue Butterfly and Dusky Large Blue Butterfly intended for destruction must be done, so as to prevent the blooming of Great Burnet (the host plant and the nectar-giving butterflies) in order to induce the butterflies to live on parts of sites not intended for destruction.</p> <p>Additional mowing should be performed prior to the removal of the humus layer on the embankments.</p> <p>Deadlines for the implementation of the above-mentioned activities should be agreed with the appropriate expert of the Environmental Supervision Team (discussed under item 103).</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was executed in the 2nd quarter of 2021.</p>
34.	<p>Time limits for works resulting in the destruction of sites of protected fauna species</p> <p>Works interfering with the Dusky Large Blue habitats should be carried out outside the period of their activity, i.e. from 1 September to the end of February. The above-mentioned limitation applies to species habitats in the following locations:</p> <ul style="list-style-type: none"> – km 0+025 – 0+175 (left embankment), – km 0+000 – 0+925 (right embankment), – km 2+025 – 2+150 (right embankment), – km 3+400 – 3+575 (right embankment). <p>The total area of destroyed Dusky Large Blue habitats may not exceed 1.454 ha.</p>	<p>NOT IMPLEMENTED</p> <p>No need to undertake measures was determined during the execution of works.</p> <p>At the stage before the commencement of works, the presence of host plants (Great Burnet) within the boundaries of the Contract implementation area was not indicated. The presence of habitats of butterflies concerned mainly the embanked area, outside the reach of the conducted works.</p> <p>In addition, in the period preceding the commencement of works, plants were mowed within the whole area planned for further topsoil removal works.</p> <p>The progress and possible impact of the executed works on the habitats of butterflies located within the close proximity of boundaries of the Contract implementation area were monitored for the whole period of conducting the works. No negative impact of the works on the condition of such habitats was demonstrated.</p>
35.	<p>Securing the Contract execution area against small animals entering the site</p> <p>Works should be performed in such a way as to avoid killing animals.</p> <p>Prior to the commencement of and during the works within particular sites of the <i>Contract Area</i> the environmental team (discussed under item 103) shall perform cyclic inspections of those sites to determine the need of actions to limit migration of wild animal species (especially of protected species) into the construction site.</p> <p>In case such a need would be identified, the aforementioned environmental supervision team shall determine conditions necessary to limit the migration of the aforementioned animal species into the construction site (e.g. fencing of selected sections of the construction site, cyclic inspections, and trapping done under supervision of the aforementioned environmental supervision team, etc.), and shall subsequently supervise their implementation. A detailed description of the planned measures in that range within a particular site shall be submitted for the Engineer's acceptance.</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
36.	<p>Time limits for works in the context of amphibian protection</p> <p>Works related to the installation of steel sheet piles should be carried out outside the main breeding period and amphibian wintering period, i.e. outside the period of 15 October – 30 June.</p> <p>Construction works interfering with the crest of existing larger bodies of water should be carried out after the end of the amphibians breeding period, but before animals reduce their activity, diminish their abilities to escape and bury themselves in the silt for winter rest, i.e. from mid-August to early October.</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
37.	<p>Protection of the amphibians habitats</p> <p>In order to protect the construction site against the presence of amphibians, protective fences should be made before the commencement of construction works on the sections and on dates indicated by nature supervision.</p> <p>Geotextile fences should be used or mesh fences with a maximum mesh diameter of 0.5 by 0.5 cm and at least 50 cm of entire length, with 10 cm of fence edge bent outwards, forming a small roof at an angle of 45 - 90 °. On the lower part, the fencing material should be buried into the ground to a depth of at least 15 cm – fences must tightly adhere to the ground surface and must be properly anchored in order to effectively prevent amphibians from reaching the work sites. The ends of the fences will be equipped with u-shaped "turnstiles" with arm length at least 50 cm. At the ends of the protective fence, holes with the dimensions of approx. 0.5 x 0.5 x 0.2 m should be excavated, which will be lined with foil (instead of holes, buckets of similar parameters and perforated bottom can be tightly buried). Fences should cover the sections of identified amphibian habitats (reproduction and migration) together with sections at least 300 m long before and at least 300 m behind the above-mentioned places, however, if the nature supervision considers it justified, in order to protect the project sites from the possibility of amphibians entering the construction site, fences should also be located on other sections of the works indicated by the supervision, before or during the construction works.</p> <p>Temporary herpetological fences will be distributed as follows:</p> <p>1) left embankment:</p> <ul style="list-style-type: none"> – 0+700 – 1+150 (from the side of the area beyond the embankment), – 1+220 – 1+630 (from the side of the area beyond the embankment), – 2+125 – 2+720 (from the side of the area beyond the embankment), – 3+700 – 4+500 (from the side of the area beyond the embankment), – 0+000 – 0+600 (from the side of the embanked area), – 1+300 – 2+800 (from the side of the embanked area), <p>2) right embankment:</p> <ul style="list-style-type: none"> – 0+950 – 1+380 (from the side of the area beyond the embankment), – 1+760 – 2+350 (from the side of the area beyond the embankment), – 0+550 – 1+550 (from the side of the embanked area), – 1+760 – 2+400 (from the side of the embanked area). <p>During the period of amphibian activity, fences should be regularly cleaned at least once a week, checked for tightness, all defects should be removed on an ongoing basis, and the vegetation along the fences should be mowed. The amphibians wandering along fences and gathering in the holes/ buckets made should be systematically caught and moved and in a manner agreed with the above-mentioned herpetologist expert and in accordance with the conditions specified in item 39, 40, 41, 42.</p> <p>When the amphibians are active, above-mentioned activities should be performed twice a day - in the morning and in the evening.</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
38.	<p>Limitation of losses in protected animal species during the earthworks</p> <p>Directly prior to the commencement of earthworks in a given site, relevant experts of the environmental team (discussed under item 103) shall inspect sites of the currently planned works in terms of the protected animal species' occurrence.</p> <p>In case of identifying presence of the aforementioned animals, one shall implement measures discussed under items 39, 40, 41, 42.</p> <p>The earthworks and works related to destruction of parts of amphibian habitats shall be performed under supervision of the aforementioned experts.</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
39.	<p>Trapping and relocating small animals from the outside of Contract Area Before the Roman Snail and Yellowish Snail (<i>Helix lutescens</i>) habitats are destroyed, the individuals of these species should be caught and moved outside the construction site in habitats where they had previously been found to be present by nature supervision. Above-mentioned activities should be carried out with the participation of the Environmental Supervision Team.</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works. At the stage preceding earthworks, the presence of individuals of both species was not demonstrated in the area intended for the execution of works. A site of Roman Snail was indicated outside the boundaries of the Contract implementation area.</p>
40.	<p>Prevention of creating the wintering sites for amphibians on the construction site In addition, to discourage amphibians from wintering in water bodies, the part of which is to be destroyed in early October, if possible, pump off the water or reduce its level to such an extent that the part of the body crest canopy intended for destruction is not flooded. Destruction of parts of amphibians' habitat should be preceded by lowering the water table with continuous trapping of animals. The dried part of the backfilled water body bottom should be thoroughly penetrated to catch the remaining animals. The backfilled parts of the habitat should be executed with a one-sided front of works to catch all of the specimens. Above-mentioned activities should be carried out in the presence of an appropriate expert from the Environmental Supervision Team (discussed under item 103).</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works. Amphibian habitats (both breeding and wintering habitats) were not interfered with during the execution of works. Amphibian habitats were present outside the boundaries of the Contract implementation area. The progress and possible impact of the executed works on the habitats of amphibians located within the close proximity of boundaries of the Contract implementation area were monitored for the whole period of conducting the works. No negative impact of the works on the condition of such habitats was demonstrated.</p>
41.	<p>Prevention of creating habitats suitable for amphibians on the construction site The potholes and other cavities created on the construction site where water can accumulate will be immediately eliminated in order to prevent amphibians from laying their eggs there and settling there. The amphibian habitats created on the construction site, i.e.: deep excavations with stagnant water, deep potholes will be inspected for the presence of small animals (including amphibians, reptiles, small mammals) before they are backfilled. If small animals are found to be present, water should be pumped out, and after lowering the water table, the bottom should be penetrated and all the specimens should be caught. Trapped animals shall be moved to a suitable habitat for the species concerned. Liquidation of drained trenches or ruts should be backfilled immediately after the animals have been trapped. Above-mentioned activities should be carried out in the presence of an appropriate expert from the Environmental Supervision Team (discussed under item 103). A protocol and photographic documentation should be made of the activities of transfer/destruction of existing species, habitats and positions of plants or animals in accordance with the guidelines indicated in the obtained administrative decisions. The memo shall at least state the following: type and quantity of relocated species, indication of the present site and the site of relocation, determination of a relocation method, and the time when it was done.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 1st quarter of 2022 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period from the 1st quarter of 2022 to the 2nd quarter of 2022, the 2nd quarter of 2023. It was found that places of stagnant water, resulting from heavy rainfall, were not eliminated immediately. Each time, the Contractor followed the Engineer's recommendation and implemented measures to remove stagnant water with participation of a herpetologist specialist from the Contractor's Environmental Team. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
42.	<p>Principles of liquidation of wetlands that are amphibians habitats Before liquidating wetlands being the amphibians habitats, inspection should be carried out for the presence of animals. Removal (drainage) of wetlands should be carried out in September. Trapped animals shall be moved to a suitable habitat for the species concerned. If the habitats that are wintering sites for amphibians need to be destroyed, they must be fenced in early for the duration of the works in order to prevent amphibians migrating there for the winter. The above-mentioned activities should be carried out in the presence of a herpetologist from the Environmental Supervision Team. A protocol and photographic documentation should be made of the activities of transfer/destruction of existing species, habitats and positions of plants or animals in accordance with the guidelines indicated in the obtained administrative decisions. The memo shall at least state the following: type and quantity of relocated species, indication of the present site and the site of relocation, determination of a relocation method, and the time when it was done.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
43.	<p>Time limits for carrying out works related to interference with the amphibians breeding habitats Works related to interference with the amphibians breeding habitats should be performed outside the period from 1 March to 30 June, while works interfering with the breeding and wintering habitats of amphibians should be performed from 1 August to 15 October.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure, including compliance with the deadlines indicated in item 43, started in the 3rd quarter 2021 and continued in subsequent quarterly periods.</p>
44.	<p>Time limits for carrying out works related to clearing drainage ditches The works related to the unblocking of drainage ditches flow should be carried out outside the period of 1 March – 31 July, from the bank positions, and the use of heavy equipment should be limited to the necessary minimum.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure, including compliance with the deadlines indicated in item 44, started in the 3rd quarter 2021 and continued in subsequent quarterly periods.</p>
45.	<p>Time limits for carrying out works in the context of bird protection Due to the habitat of the Black-tailed Godwit in the vicinity of the <i>Contract area</i>, no preparatory works should be carried out in the period from March 15 to July 31 (e.g. humus removal, removal of low vegetation and cutting out of vegetation) in the sections: km 2+500 - 3+500 (right embankment) and km 2+000 - 3+000 (left embankment).</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure, including compliance with the deadlines indicated in item 45, started in the 3rd quarter 2021 and continued in subsequent quarterly periods.</p>
46.	<p>Securing and controlling places that may constitute traps for small animals Excavations, wells and other sites that may form traps for animals (especially for amphibians, reptiles, and small mammals) shall be protected – to the maximum feasible extent – against presence of the aforementioned animals without having them released on their own, e.g. by covering them tightly after each finished working day. These places should be regularly and daily inspected to limit mortality of specimens, which – despite the protection – moved to those sites The protection type for particular sites and the time and frequency of their inspections and the proceeding methods for trapped animals shall be agreed with the environmental team (discussed under item 103) on an ongoing basis, and results of those establishments shall subsequently be implemented. In the event of imprisonment in the above-mentioned animal sites, they should be immediately caught and moved to a habitat suitable for a given species outside the construction site.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
47.	<p>Keeping the continuity of water flow in water courses Actions of the Contractor shall be planned and performed in a way to keep the continuity of water flow in water courses throughout the <i>Contract Implementation Period</i>.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
48.	<p>Ongoing inspections by experts of the Environmental Supervision Team during the Contract implementation Period Construction works and other works performed during the <i>Contract Implementation Period</i> should be carried out under the ongoing supervision of experts from the Environmental Supervision Team (discussed under item 103). For the nature supervision, at least 8 visits each month should be carried out, and during the spring and autumn migration of amphibians, herpetological supervision should be carried out constantly. For each visit, a description of the situation in the form of Nature Supervision Sheet should be prepared and, if necessary, comments and recommendations, along with photographic documentation, should be provided to the Contractor's personnel responsible for carrying out the works in accordance with the EMP.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
49.	<p>Obtaining a decision allowing for exceptions to the principles of species protection of plants, fungi and animals identified in the Contract Area In respect of the resources of protected species of flora and fauna present within the <i>Contract Area</i> and in its impact range (including resources described in this EMP and in other available sources, as well as identified in the <i>Contract Implementation Period</i> due to actions of the environmental team discussed under item 103), the following measures shall be undertaken: a) the Contractor shall obtain and submit to the Engineer for approval a written opinion of the team of environmental experts including the specification of: • the extent of the possible impact of the works on the identified natural resources, and • the need to obtain the decision referred to in point b below, and then, if it proves necessary in the light of the above-mentioned opinion, the Contractor shall carry out the activities referred to in items b-d (hereunder); b) before taking any actions that may lead to the destruction of habitats and sites or scaring the individuals of protected species, the Contractor is required to obtain the administrative decision required by law, allowing for derogations to the binding prohibitions regarding protected species of plants, fungi and animals; c) the Engineer should be notified of the decision obtained; d) the Contractor is obliged to precisely and timely implement the conditions contained in the above-mentioned decision.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 2nd quarter of 2021 to the 3rd quarter of 2021. The Contractor submitted an incomplete document for the Engineer's approval within the required reporting period – an application for obtaining a decision allowing for exceptions to the principles of species protection of plants, fungi and animals identified in the Contract Area. The Engineer recommended to supplement the document. For the duration of construction works, the Contractor held the relevant species protection derogation permit. The above shortcoming has no actual impact on the environment.</p>
50.	<p>Acquisition of earth masses for investment purposes The earth masses for the purposes of the investment should not be collected from the area beyond the embankment.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
51.	<p>Management of soils coming from the construction site Soils located on the construction site (including earth masses) should first be used on the construction site. The remaining excess of soil should be managed in accordance with the design documentation. A proceeding method for ground remaining waste shall be presented in the Waste Management Plan (Waste MP), as developed by the Contractor and handed over for acceptance to the Engineer prior to the commencement of works (according to item 84).</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
52.	<p>Removal of topsoil layer Before starting the works, a fertile soil layer (humus) with a thickness of approx. 20-30 cm shall be removed, which will then be stockpiled on the area beyond the embankment and will be used for embankment formation and land cleaning works. After stacking the soil, it should be protected against weather conditions and other negative influences. In order to protect the layer of topsoil from the <i>Contract execution area</i>: a) prior to the commencement of construction works in particular sections of the Contract Area the top layer of fertile soil (so-called topsoil) having thickness corresponding with applicable design documentation shall be removed (this condition refers to all locations within the Contract Area, where the existing topsoil layer may be degraded due to the works, traffic and servicing of vehicles, machines and devices, and storage of materials, etc.); b) the works associated with the removal of topsoil shall be preceded with provision of environmental inventories discussed under items 28, and their execution need to include e.g. the conditions informed under item 38.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
53.	<p>Time limits for removing the humus layer Removal of humus and low vegetation in wetlands, irrespective of the presence of amphibians in these areas, should be carried out between August 1 and October 15, so as to eliminate the possibility of their use by animals. Removal of humus and low vegetation outside wetlands should be done outside the period from March 1 to July 31. Wetlands should be defined in accordance with the indications of environmental supervision. Main construction works should be started immediately after the completion of preparatory works i.e. removal of high, medium and low vegetation and removal of humus.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the 4th quarter of 2022. No need to implement the measures was determined in the next quarterly periods.</p>
54.	<p>Storage of topsoil The removed layer of the topsoil should be stored in the following way: a) removed topsoil shall be stored in the form of piles, located in places where it will be effectively protected against degradation (see also the description in point c); b) the precise location of topsoil piles should be pre-arranged with a team of environmental experts (discussed under item 103), so that topsoil storing does not degrade natural habitats and protected species, nor does it adversely affect the condition of trees and shrubs; c) storage piles of topsoil should be marked and efficiently secured against: contamination, being driven over by vehicles, compaction, storage of building materials, etc.; d) storage piles of topsoil shall be kept in adequate humidity, in a manner allowing for its reuse (e.g. they should be systematically sprinkled, with a frequency depending on the weather).</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods: from the 3rd quarter of 2021 to the 2nd quarter of 2023. In the periods indicated above, the Engineer found incidental and single shortcomings consisting of: : masses of stored topsoil were being driven over, delays in transporting topsoil to the site intended for temporary storage, inadequate marking and protection of topsoil masses from degradation. Each time, the Contractor followed the Engineer's recommendation and made efforts to ensure that topsoil masses are sufficiently protected. No significant negative impact of the shortcomings on the surrounding environment was identified</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
55.	<p>Use of topsoil The stored topsoil should be used to reinstate the fertile soil's layer on further construction stages</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 1st quarter of 2022 and was continued for the entire period of execution of works.</p>
56.	<p>Restoration of topsoil layer and green areas and tidying up the site after completion of works After completion of the works:</p> <p>a) construction facilities, service roads and sites should be dismantled, whilst road slabs and sand collected from ballast (if applicable) should be transported outside the <i>Contract Area</i> to the place specified beforehand (accepted by the Engineer);</p> <p>b) in the areas acquired in connection with the implementation of the Contract (within the boundaries of the <i>Contract Area</i>), appropriate agrotechnical measures should be taken (soil loosening, fertilization, etc.), in order to prepare the recreation of the fertile soil layer, and then the fertile soil layer should be recreated (e.g. using the topsoil collected from the area of works – see: item 42);</p> <p>c) provide treatment facilitating reinstatement of green areas (including sowing and planting of trees [in accordance with design documentation], using native species of plants only, in conformity with local habitat conditions). The sowing shall be done in the shortest possible time after completion of reinstatement of the fertile soil layer to prevent development of weeds within topsoiled surfaces;</p> <p>d) proper care of the recreated green areas should be ensured (e.g. in accordance with conditions determined under item 57) until the end of the Defect, Guarantee and Warranty Period;</p> <p>e) remove any waste left and tidy up the <i>Contract area</i>;</p> <p>f) order and restore the proper condition of the area under works, due to the e.g.: traffic of machines, means of transportation, and the areas adjacent to the performance site.</p> <p>Activities described in items b-d (above) should be performed under the supervision of expert botanist-phytosociologist and expert dendrologist (discussed under item 103), including e.g.:</p> <ul style="list-style-type: none"> • agreement of the exact dates of works; • agreement of the composition and quantitative proportions of seed mixtures planned for sowing; • agreement of conditions for preparation of soil; • agreement of the principles of caring for the recreated green areas; • submission of the results of the above agreements to the Engineer for approval; • supervision over the implementation of activities supporting the recreation of green areas and supervision over the care of these areas (until the end of the Defects Notification Period, Guarantee and Warranty). <p>Activities related to the recreation of the topsoil layer and the restoration of green areas referred to in this item of the EMP should be commenced as soon as their implementation is possible (including condition given in item c above).</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 1st quarter of 2022 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
57.	<p>Caring for grasslands Caring for grasslands in the first growing season after planting consists in:</p> <p>a) fertilizing:</p> <ul style="list-style-type: none"> • lawns should be supplied with mineral fertilizers as needed (no more 3-5 kg NPK/are/year); • mixtures of fertilizers should be prepared in such a way as to supply the grass with ingredients required in particular seasons: <ul style="list-style-type: none"> o in spring, the lawn requires a mixture with dominating nitrogen, o from the middle of summer nitrogen should be reduced, increasing the dose of potassium and phosphorus, o the final fertilization should not contain nitrogen, but potassium and phosphorus. <p>b) additional seeding.</p> <p>c) mowing:</p> <ul style="list-style-type: none"> • the first mowing should be carried out when the grass is about 10 cm high and should be cut to a height of 6 cm, • subsequent mowing should take place at such intervals so that the grass does not exceed 15 cm in height, • the last pre-winter mowing should be carried out 1 month before the expected frosty weather (for the climate of Poland the first half of October may be assumed), • after each mowing, cut grass should be removed from all surfaces and harvested hay should be stored outside the construction site, <p>d) maintenance of proper soil humidity.</p> <p>Mowing of grasslands in subsequent growing seasons should be carried out twice a year.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2022 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 2nd quarter of 2022 to the 3rd quarter of 2023. The lack of need for measures occurred during the late autumn and winter periods. In the periods indicated above, the Engineer found occasional shortcomings consisting of failure to ensure adequate maintenance of grassed areas, including delays in grass mowing. The Contractor each time followed the Engineer's recommendation and made efforts to ensure the entire spectrum of maintenance activities for the grassed areas on the embankments, during the relevant periods associated with the vegetation of the flora. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>
58.	<p>Assurance of safety for the ground and water environment The Contractor is obliged to assure such an organization of works, including organization and equipment for the construction site, so it would prevent the possible contamination of the ground and water environment in the <i>Contract Area</i> and its vicinity, as well as it would prevent the uncontrolled leakage of earth masses and other construction materials into surface waters.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
59.	<p>The use of building materials in accordance with regulations and standards and harmless to the environment Only building materials and raw materials that meet valid standards of environmental protection, having legally requires certificates, and allowed for application in a way planned by the Contractor, may be used. Earth structures should be made of natural materials, without the use of hazardous materials or harmful to health. The material used for the reconstruction and extension of flood embankments and for backfilling of excavations must not contain substances harmful to the aquatic environment and which present a risk of contamination of the earth's surface (in particular, it must not contain harmful substances subject to leaching, which occur in a form of soluble compounds).</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
60.	<p>Technical efficiency and inspections of vehicles, machines and equipment Only technically efficient vehicles, machines and equipment – technical condition of which does not pose risk of uncontrolled emission of pollutions to the water and ground environment (e.g. leakage of fuel, diesel, operating fluids, grease, etc.) and to the air (exceeding acceptable emission standards for combustion gases) – should be used to implement the Contract.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
61.	<p>Conditions for the regulation of ditches If it is necessary to relocate the ditches in connection with their renovation and reconstruction of embankment locks, they should be made in small sections, i.e. approx. 25-40 m, so that the embankment locks can function properly, both hydraulically and technically.</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works. No need to relocate entire sections of ditch channels occurred during the execution of works. For reconstruction of locks, the ditch connection to the reconstructed locks was accommodated only partly along much shorter sections than those given in item 61. During the reconstruction works of ditches and embankment locks, these facilities remained in conditions to maintain them in proper hydraulic and technical condition.</p>
62.	<p>Conditions for unblocking flowing and stagnant water channels The works for desilting, reconstruction of the existing sections of ditches in the embanked area, their connection to the Łęg River and the partial strengthening of its banks shall be performed without the use of heavy equipment. The ditches will be unblocked out by ensuring that the works are staged, protecting against the formation of an oxygen deficit and ensuring that works are carried out in the water in the correct way and under the right conditions during the desilting. These works must be carried out under the care of the natural supervision inspector who will indicate appropriate intervals, particularly in areas where there is permanent turbidity during the works.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2022 and was continued until the 1st quarter of 2023. No need to implement the measures was determined in the next quarterly periods.</p>
63.	<p>Conditions for interference in the channel and in the bank zone of water-courses In the Contract Implementation Period one shall not interfere in channels and banks of water-courses (e.g. banned traffic of vehicles, machines, and devices; ban of polluting, devastating, material storing, etc.), except for channels and banks sections covered by the works, in accordance with the valid design documentation. No water or aggregate for the construction purpose can be collected from the Łęg River.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021. The need to implement the measure also arose in the 2nd quarter of 2022 until the end period of execution of works. No need to implement the measure was determined in the next quarterly periods.</p>
64.	<p>Time limits for carrying out works in flowing and stagnant water channels Works in the riverbed of the Łęg, the unblocking of ditches and other works that may adversely affect fish spawning must not be carried out between 1 March and 30 June.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Throughout the Contract period, no works impacting fish spawning were carried out (no ichthyofauna spawning habitats were shown during the clearance of ditches, but the technological and time conditions were respected during the clearance of ditches, as indicated e.g. in item 44).</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
65.	<p>General conditions for the works performance in channels of flowing waters and stagnant waters Works in the riverbed of the Łęg River should be carried out from the bank stations only. For the purpose of protecting flowing waters and stagnant waters against contamination, the works within channels of those waters shall be performed according to the following rules:</p> <p>a) during the performance of works in channels of flowing waters or stagnant waters one shall continuously perform a visual monitoring for water at performance sites in order to check, if water is not locally polluted with suspension, which may affect the physical-chemical condition of water adversely and/or deteriorate living conditions for water organisms within the channels, due to the performance. In case of identifying occurrence of the aforementioned contamination, one shall immediately notify the Engineer and obtain an opinion of the water protection expert (discussed under item 103) on the possibility of and the conditions for further performance of the given type of works on site, and on the necessity and method of providing laboratory tests for the purpose of identifying the current level of contamination. The aforementioned opinion requires acceptance of the Engineer.</p> <p>b) if, due to the measures described under point b (above), the binding contamination standards would be exceeded or it would be possible that they would be exceeded, the works on site shall be stopped (immediately or just after reaching a stage, when stopping the given type of works does not provide hazards of other type to the environment and/or health and safety of people), and decision on restarting them may be made no earlier than after receiving an opinion of environmental supervision team (including the aforementioned water protection expert) determining the time of feasible recommencement for the given type of works, as well as detailed conditions for the performance (in reference to the protection of water against pollutions). The aforementioned opinion requires acceptance of the Engineer.</p> <p>c) prior to the commencement of the given type of works within channels of flowing waters or stagnant waters, the Contractor shall present a Detailed Quality Assurance Plan (DQAP) for the given type of works – including e.g. conditions described in points a, b, and c (above) and containing a written opinion of the environmental supervision team (including the water protection expert) – for the Engineer’s acceptance.</p> <p>The proceeding rules described in the aforementioned DQAP cannot be against the guidelines given in the document titled (<i>“Environmental, Health and Safety Guidelines for Ports, Harbours, and Terminals”</i>), as published at the website of the World Bank¹.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Throughout the Contract period (from the 3rd quarter of 2021 and thereafter), the requirements of item 65 regarding the execution of works in flowing and standing water channels (ditches) were implemented. There was no interference of works in the riverbed of the Łęg River.</p>

¹ The document available at:
https://www.ifc.org/wps/wcm/connect/topics_ext_content/ifc_external_corporate_site/sustainability-at-ifc/publications/publications_policy_ehs-portsharborsterminalshttps://miip.geomalopolska.pl/mapa/glebowo_rolnicza.html

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
66.	<p>Conditions for draining construction excavations Within the excavations one shall apply a relevant drainage system for construction excavations to assure keeping them without stagnant water. If suspensions are found in water pumped out of the excavations, the water should be cleaned (e.g. in a sedimentation/settling tank intercepting suspensions) before it is discharged into surface waters. Suspensions from treatment should be disposed of in a manner consistent with their type, eliminating the possibility of penetration into surface waters or storage in places where there may be flooding, etc.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: the 3rd quarter of 2021 and from the 1st quarter of 2022 to the 2nd quarter of 2023. Incidental problems were found with systematic maintenance of ditches without standing water. Each time, the Contractor followed the Engineer's recommendation and implemented measures to remove stagnant water with participation of a herpetologist specialist from the Contractor's Environmental Team. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>
67.	<p>Location and equipment for sites of collecting, producing, and treatment of materials, which may pollute the ground and water environment The sites of collecting, producing, and treating the construction materials (e.g. concrete mass, prefabricates, aggregate, etc.) and other substances that may pollute the subbase and/or surface water, shall be located and equipped to minimize the risk of their adverse impact on the condition of environment, and especially to limit the risk of pollution emission to the ground and water environment. Such sites shall be provided with proper protection against possible contamination of the subbase and water, and should be provided with equipment and materials allowing for immediate removal of potential pollutions. Location of the aforementioned sites should also meet conditions discussed under item 14.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
68.	<p>Designation, marking, and equipment of servicing sites for vehicles, machines, and devices, hazardous materials storage sites, and hazardous waste storage sites within the site facilities Within the site facilities one shall designate, mark, and properly equip:</p> <ul style="list-style-type: none"> • the sites for servicing, refueling, repairing, and cleaning of vehicles, machines, and devices; • the sites for storing hazardous materials; • the sites for storing hazardous waste. <p>These sites should be equipped with technical and chemical measures to remove or neutralize hazardous substances, including petroleum derivatives. The surface of the area where the refueling will take place shall be sealed by using e.g. a geomembrane and covered with concrete slabs. Rainwater and meltwater from the above-mentioned places should be cleaned in separators allowing for the reduction of petroleum hydrocarbons before being introduced into the environment. Store the fuel in tight containers on a hardened surface. Permanent refueling points for construction equipment and building materials collection points shall be located outside the area of particular flood hazard, outside wetlands, at least more than ten meters from the riverbed. At establishing locations for the aforementioned sites one shall consider e.g. a safe distance from reservoirs of flowing water and of stagnant water. A detailed location of the aforementioned sites shall be agreed with the environmental team (discussed under item 103).</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 3rd quarter of 2021 to the 1st quarter of 2023. Cases were found of lack of short-term adequate marking and equipment of servicing sites for vehicles, machines, and devices, hazardous materials storage sites, and hazardous waste storage sites within the site facilities. The Contractor took efforts to appropriately develop and mark the site facilities in line with the contract documents. This shortcoming has no actual impact on the environment.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
69.	<p>Conditions regarding the performance of regular service actions to vehicles, machines, and devices The Contractor will carry out ongoing inspections of the condition of vehicles, machines and devices and eliminate the possibility of any contaminants getting into the soil and water environment (including, in particular, spills of fuels, oils, operating fluids, lubricants, etc.), both during operation, by the available organizational measures, as well as during service, refueling, transport and parking of vehicles, machines and devices. Regular service actions to vehicles, machines, and devices – associated with a risk of polluting the subbase or water shall only be done in places located away from banks of water reservoirs, properly protected against possible polluting of the subbase and water, and provided with the equipment and with materials allowing for immediate removal of potential pollutions. If feasible, such actions shall be done mainly in designated, marked, and properly equipped places within the site facilities, as discussed under item 68.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 1st quarter of 2022 to the 2nd quarter of 2022. In the periods indicated above, the Engineer found occasional shortcomings consisting of the lack of appropriate marking of: servicing sites for vehicles, machines, and devices, hazardous materials storage sites, and hazardous waste storage sites within the site facilities. Each time the Contractor followed the Engineer’s recommendation and implemented an improvement to the execution of mitigation measures related to the marking of the above-mentioned zones. The above shortcoming has no actual impact on the environment.</p>
70.	<p>Conditions regarding the performance of periodical service actions, repairs, and cleaning of vehicles, machines, and devices No maintenance works such as changing oil, etc., shall be undertaken on the construction site Periodical service actions (e.g. replacement of oils, fluids; replacement of worn-out parts and components; etc.), repairs and cleaning of vehicles, machines, and devices shall only be done in designated, marked, and properly equipped places within the site facilities, as discussed under item 68.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period of the 1st quarter of 2022. In the period indicated above, the Engineer found occasional shortcomings consisting of the lack of appropriate marking of: servicing sites for vehicles, machines, and devices, hazardous materials storage sites, and hazardous waste storage sites within the site facilities. Each time the Contractor followed the Engineer’s recommendation and implemented an improvement to the execution of mitigation measures related to the marking of the above-mentioned zones. The above shortcoming has no actual impact on the environment.</p>
71.	<p>Assuring the availability of absorbents close to locations under risk of diesel substances’ emission In places under risk of uncontrolled emission of diesel derivatives to the subbase and to water (including e.g. servicing sites for vehicles, machines, and devices; equipment bases; parking lots; etc.) one shall provide access to the proper volume of absorbents used for removal of leaks and spills of diesel substances.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 3rd quarter of 2021 to the 4th quarter of 2021. In the periods indicated above, the Engineer found occasional shortcomings consisting of the lack of equipping all the site facilities with access to absorbent. The Engineer recommended that all site facilities be provided with absorbent containers. The Contractor implemented actions to provide the site facilities with access to absorbents as well as ensuring that staff are properly trained in the use of absorbent in the event of spills of petroleum derivatives to the ground. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
72.	<p>Ensuring access to sanitary facilities The construction site facilities will be equipped with portable sanitary facilities, with the provision of sewage collection. All employees will be trained in maintaining proper sanitary conditions within the construction site and its immediate surroundings.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. In the indicated period, the Engineer identified an occasional shortcoming consisting of the short-term lack of one of site facilities where access to sanitary equipment was required. The Engineer instructed to immediately ensure that the site facilities are properly organized and that access to sanitary equipment is provided, including the completion of the missing site facilities. The Contractor took appropriate actions resulting in the preparation of the missing site facilities and access to the above-mentioned equipment. The above shortcoming has no actual impact on the environment.</p>
73.	<p>Inspection of the subbase condition at work and stoppage locations for vehicles, machines, and devices Locations of operations and stoppage of vehicles, machines, and devices should be regularly inspected (especially after longer time of operation or stoppage in a given location) to identify potential leaks of substances that may pollute the ground subbase. In case of identifying the leaks one shall undertake relevant measures, in accordance with conditions described under item 74.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
74.	<p>Proceedings in the case of emission of petroleum derivatives In the event of any events associated with emission of diesel derivatives into the environment (including subbase and water), one shall: a) take immediate action to prevent the spread of contamination, by means of available resources (e.g. absorbents); b) immediately remove contaminated layers of soil, according to the currently binding regulations; c) in case of major failures, use the procedures for notification of crisis situation (described in item 78).</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the period of the 3rd quarter of 2021. In the indicated period, the Engineer identified an occasional shortcoming consisting of delay in removing an oil stain from a site machine's spillage. The Engineer instructed the Contractor to urgently remove the oil stain. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>
75.	<p>Prevention of erosion Once the embankment has been constructed, it should be sown with grass in such a way that surface erosion is kept to a minimum and the fractions that form suspensions do not get into the water.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2022 and was continued until the end period of execution of works.</p>
76.	<p>Limiting air pollution with exhaust fumes In order to reduce the negative impact on the condition of the air: a) it is necessary to eliminate the idling time of engines and follow the instructions on turning the machines and equipment off during stoppage and breaks in operation; b) the works shall be planned and performed in a way allowing for minimization of use in case of the construction equipment and the means of transportation; c) only technically efficient vehicles, machines and equipment should be used, with the required approvals to reduce the emission of gaseous and particulate substances into the air; d) a place should be provided for free manoeuvres of vehicles, such as yards; e) it is necessary to limit the traffic of vehicles, machines and devices to the necessary minimum, as well as to limit the speed of traffic on the construction site.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
77.	<p>Dust control from construction site and roads When carrying out construction works, dusting should be limited by maintaining a high work culture, in particular by:</p> <ul style="list-style-type: none"> a) regular cleaning of the construction site; b) applying the necessary technical and organizational measures to limit the emission of dust from the construction site, including storage places for building materials and dusting from wheels of vehicles and machines; c) storage of loose materials in places protected from the wind and (if possible) in factory packaging, and if necessary covering the above-mentioned materials with tarpaulins, etc.; d) suspension of works or spraying water on roads, squares and other surfaces causing dusting during dry and windy periods; e) limiting the speed of vehicles on dusting roads (especially in dry periods); f) using sealed tarpaulins on cars carrying materials that can cause dusting during transport; g) storage of materials that may cause dusting, in a way that prevents them from being washed away by water and dispersed by the wind; h) cleaning vehicle wheels before entering access roads to the <i>Contract Area</i>; i) removing dirt using mechanical devices. 	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: the 3rd quarter of 2021, from the 1st quarter of 2022 to the 3rd quarter of 2022. In the periods indicated above, the Engineer found occasional shortcomings consisting of lack of the Contractor's sufficient actions related to dust control during movement of construction vehicles. The dusting problem was intensified by periods of drought in the Contract implementation period. Each time, the Contractor followed the Engineer's recommendation and, as far as possible, sprayed the surface of the service roads during periods of increased dust. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>
78.	<p>Prohibition to burn fires and burn materials, wastes, litter, etc. It is prohibited to burn fires and burn materials, wastes and litter, etc. in the <i>Contract execution area</i>.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
79.	<p>Reducing time of works to daytime In the surroundings of areas and buildings subject to acoustic protection, construction works and transport of building materials should be carried out in a daytime, i.e. from 6:00 am to 10:00 pm.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
80.	<p>Use of acoustic screens In order to reduce noise emission to the environment during construction works carried out close to existing residential buildings, a portable full fence should be used as an acoustic screen.</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works. Sources of noise emissions in the vicinity of residential buildings (only a few structures in the entire Contract implementation area) mainly concerned the movement of vehicles from the construction site. The technical possibilities of placing the screens were limited due to the small available space between the embankment and the permanently used embankment road. At the same time, the structure of the existing embankment screened the propagation of noise towards the buildings generated by the works on the upstream side. The Contractor undertook technological solutions to reduce nuisance related to the emission of noise – in particular minimised the operating time of noise-emitting equipment in the vicinity of buildings as well as used the technology of pressing the sheet piles instead of driving them. For the whole construction period, there were no comments from nearby residents in terms of noise nuisance.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
81.	<p>Reducing noise of vehicles, machines and equipment During the <i>Contract Implementation Period</i> only technically efficient vehicles, machines and equipment shall be used, with noise emission (acoustic power) compliant with the binding regulations and which does not result in exceeding the environmental quality standards in the scope of permissible noise levels. In case any inefficient vehicles, machines and equipment are found which can generate a higher noise level in their neighbourhood, they should be immediately replaced with the efficient ones.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
82.	<p>Reducing noise of pump sets In the case of carrying out works in the acoustically protected areas or in their vicinity, in order to reduce their inconvenience to residents, only such pump sets should be used which are equipped with soundproof housing which ensures the reduction of the noise levels to be compliant with the applicable regulations and standards (regarding permissible noise levels in the environment).</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works.</p>
83.	<p>Control of noise level in acoustically protected areas In the case of works carried out in acoustically protected areas or in their vicinity, the noise level should be constantly monitored and, depending on the needs, appropriate technical and organisational measures ensuring noise reduction to be compliant with applicable regulations and standards (regarding permissible noise levels in the environment) should be applied.</p>	<p>NOT IMPLEMENTED No need to undertake measures was determined during the execution of works.</p>
84.	<p>Preparation of Waste Management Plan (WMP) Prior to the commencement of works the Contractor will prepare and submit for the Engineer's approval a Waste Management Plan, specifying the way of handling waste expected to be generated when conducting the works and taking into account, in particular, conditions for waste management included in the EMP.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 2nd quarter of 2021 to the 3rd quarter of 2021. At the initial stage of Contract implementation, the Contractor submitted an incomplete Waste Management Plan. The Contractor implemented the Engineer's comments to the WMP document and supplemented the same immediately. The above shortcoming has no actual impact on the environment.</p>
85.	<p>General guidelines for waste management Waste produced during implementation of the Contract shall be segregated and stored selectively in sealed containers or in separate and properly organized roof – covered places, on a paved surface, in conditions protecting against dusting and blowing light fractions out, and their adverse impact on the environment. Waste shall be successively taken over by units having proper permits for their treatment.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end period of execution of works. Problems occurred with the implementation of the measure in the periods of: from the 3rd quarter of 2021 to the 1st quarter of 2022, the 3rd quarter of 2022 and in the 2nd quarter of 2023. In the periods indicated above, the Engineer found short-term shortcomings consisting of: insufficient preparation of proper waste segregation and storage rules. Each time, the Contractor followed the Engineer's recommendations and took efforts to improve proper waste management in the Contract area, including the implementation of proper waste segregation and storage. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
86.	<p>Rules for handling hazardous waste Hazardous waste should be segregated and stored separately in special sealed containers placed in the sealed, hardened area that is marked and secured against access by third parties, until it is handed over to entities authorised to handle it.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the 1st quarter of 2023. No need to implement the measure was determined in the next quarterly periods. Problems occurred with the implementation of the measure in the periods of: from the 3rd quarter of 2021 to the 4th quarter of 2021. In the periods indicated above, the Engineer found short-term shortcomings consisting of: inappropriate preparation of site facilities for providing zones for the temporary storage of wastes, including hazardous waste. The Contractor followed the Engineer's recommendations - took efforts to improve proper waste management in the Contract area, including supplementing the site facilities with marking and preparation of zones for storage of hazardous wastes. No significant negative impact of the shortcomings on the surrounding environment was identified.</p>
87.	<p>Principles of handling social and domestic sewage Social and domestic sewage should be collected on the hardened area on the site facilities, in sealed holding tanks, content of which will be handed over to entities authorised to handle it.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
88.	<p>Preventing illegal dumping of litter and waste Prior to the commencement of works the Contractor will investigate the Contract execution area for the presence of possible illegal landfills of litter and waste. In case of identifying an illegal landfill, the Contractor will clear such sites by removing the waste and transporting it away to the treatment site. In the <i>Contract implementation period</i>, the Contractor will secure the <i>Contract execution area</i> against possible formation of such landfills.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
89.	<p>Development of documents related to safety in the Contract execution area In the <i>Contract area</i> it is necessary to maintain order and ensure proper organization of works. Prior to the commencement of works, the Contractor will develop and then obtain the Engineer's approval for the following documents related to safety on the construction site (description in Chapter 6.14 of the EMP):</p> <ul style="list-style-type: none"> a) Construction site organization plan; b) Waste management plan (Waste MP – see also item 84); c) Quality assurance plans (general and detailed ones for particular types of works); d) Flood protection plan for the site for the performance time (see also item 96); e) Health and safety plan (BIOZ Plan). 	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end of Contract execution. Problems occurred with the implementation of the measure in the period of the 1st quarter of 2022. In the period indicated, the Engineer found a single shortcoming consisting of lack of presentation of the IBWR and DQAP documents for some of the works carried out within the reporting period. The Engineer recommended to supplement the documents urgently, the shortcomings of which implied partial completion of the task. The incomplete documents were supplemented by the Contractor within the reporting period. The above shortcoming has no actual impact on the environment.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
90.	<p>Sapper supervision on the Contract implementation area In order to minimise the risk related to the possible occurrence of dangerous objects of military origin in the Contract execution area, the Contractor will ensure:</p> <p>a) during the works – sapper supervision of works (carried out by the team of sappers discussed under item 106), consisting in the ongoing checking and clearing of the <i>Contract Area</i> of dangerous objects of military origin along with their treatment;</p> <p>b) in the case of finding dangerous objects of military origin in the <i>Contract Area</i> - implementation of procedures described in item 99.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
91.	<p>Documentation and monitoring of the technical condition of buildings exposed to tremor and vibrations Before starting works during which tremors and vibrations threatening the local residents as well as nearby buildings and infrastructure facilities may occur, the Contractor will carry out an inventory of existing buildings and facilities located in the zone of potential impact of vibration and vibration, with particular reference to cracks and damages. During the performance of the above-mentioned works, the Contractor will monitor the condition of these buildings and facilities on a regular basis.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
92.	<p>Implementation of guidelines on work safety requirements The Contractor will ensure the implementation of detailed guidelines on work safety requirements, including in terms of:</p> <p>a) development of the construction site, including hazardous areas;</p> <p>b) storage and transport;</p> <p>c) electrical installations and devices;</p> <p>d) machines and technical equipment;</p> <p>e) work at heights;</p> <p>f) earthworks;</p> <p>g) selected renovation and demolition works;</p> <p>contained in applicable legal regulations and/or required by the Engineer.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
93.	<p>Safe performing of works on flood embankments Operations of machines, devices, and other equipment on the flood embankments shall be done in a way not posing hazard to the safety of people and assets, avoiding toppling, slipping or rolling them down the embankment's slope.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the end of Contract implementation. Problems occurred with the implementation of the measure in the period of the 4th quarter of 2021. In the mentioned quarterly period, the Engineer found incidental shortcomings consisting in the failure of the Contractor's personnel to comply with H&S requirements. The Engineer recommended that the conditions of conducting the works be brought into line with the provisions of the contract documents specifying the health and safety conditions for the execution of works. The Contractor followed the Engineer's recommendation. The above shortcoming has no actual impact on the environment.</p>
94.	<p>Conditions for the safe storage of construction materials Storing materials used during construction works in the manner securing them against damage and in the manner not posing a risk to the human and property safety, excluding falling over, sliding down or falling down of products, devices, machines and other equipment.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
95.	<p>Ensuring the hygienic conditions In the Contract execution area, it is necessary to ensure the necessary number of portable toilets and ensure their use by employees, as well as ensure the training of all employees in maintaining appropriate hygiene conditions within the construction site and its immediate neighbourhood.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
96.	<p>Development and implementation of the Flood protection plan for the site In connection with the flood risk, the Contractor will prepare and submit to the Engineer's approval a document entitled: "Flood Protection Plan for the Construction Site", taking into account local hydrological and meteorological conditions in the vicinity of the construction site, and determining a dependence between the time of commencing the evacuation and/or protection of construction equipment and the occurrence of a particular hydro-meteorological situation. This document should include, inter alia, the conditions described in item 97. In the event of a flood, the Contractor will follow the procedures described in the above-mentioned document.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
97.	<p>Rules of procedure in connection with the flood risk Construction works should be carried out outside the periods of warning and alarm levels in the Vistula River in the vicinity of the construction site. During the flood wave transition, vehicles, machinery, building materials and other mobile objects and elements used during construction should be located in areas beyond the reach of flood waters.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
98.	<p>Guidelines on notifying of emergency In the event of emergency situations (other than a flood), accident, major failure, etc., the Contractor is obliged to take the following actions: a) Immediately notify relevant services (Fire Brigade, Ambulance Service, Police, etc.); b) until the arrival of the relevant services, take the necessary actions to reduce the risk of loss of personnel, property and environment (as agreed with the relevant services, if possible); c) notify the Engineer and the Employer; d) after the arrival of the relevant services, act strictly according to their guidelines and instructions.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the 1st quarter of 2023. No need to implement the measure was determined in the next quarterly periods.</p>
99.	<p>Guidelines for handling unexploded ordnance or live bombs In the case of finding unexploded shells the Contractor shall: a) immediately stop works on the particular site; b) assure evacuation of the employees from the explosion risk area; c) immediately notify the sapper supervision team (discussed under item 106) and the Police, and then follow the guidelines obtained from them; d) notify the Engineer and the Employer. For the discovered unexploded shells, it is absolutely prohibited to raise them, excavate them, bury them, transfer them or throw them to the fire or water, etc.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was made in the 3rd quarter of 2021. No need to implement the measure was determined in the next quarterly periods.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
100.	<p>Providing archaeological supervision for the earthworks The earthworks in the <i>Contract Area</i> shall be performed under archaeological supervision assuring protection of cultural heritage. For this purpose, the Contractor shall:</p> <ul style="list-style-type: none"> a) ensure the participation of a team of archaeologists (discussed under item 105) who conduct ongoing supervision of earthworks; b) prepare a relevant action plan for the archaeological supervision team in the <i>Contract Implementation Period</i>, and present it for the Engineer's acceptance; c) if necessary, obtain the permission required by law to conduct archaeological research from the competent heritage conservation office. 	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
101.	<p>Guidelines on the conduct in the case of uncovering mobile monuments or archaeological sites If an object is uncovered when conducting the works which may be or certainly is a historic monument or has a historical value, the Contractor is obliged to:</p> <ul style="list-style-type: none"> a) immediately stop any works that may damage or destroy uncovered objects in a given place; b) secure (by means of available sources) uncovered objects and the place where they were found against being destroyed, damaged or stolen; c) immediately notify the team of archaeologists (discussed under item 105) and the Engineer; d) take further security measures, agreed with the team of archaeologists and the Engineer; e) facilitate and ensure carrying out documentary activities, archaeological research and other necessary activities indicated by an expert team of archaeologists and/or administrative authorities responsible for preserving the historic substance; f) after completing the activities and research listed in items d) and e), uncovered mobile monuments should be relocated to appropriate institutions indicated by a team of archaeological experts and/or administrative authorities responsible for protecting the historic substance (in accordance with the applicable regulations and the content of the Permit referred to in item 100, letter c); g) in the case of immobile monuments, after completing the activities and research listed in items d) and e) the guidelines should be implemented regarding further treatment of the uncovered historic substance, established by a team of archaeological experts and/or administrative authorities responsible for protecting the historic substance (in accordance with applicable regulations and the content of the Permit referred to in item 100, letter c). 	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued until the 1st quarter of 2023. No need to implement the measure was determined in the next quarterly periods.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
102.	<p>Appointment of the EMP coordinator in the Contractor's team A person shall be appointed in the Contractor's team coordinating and supervising the measures related to EMP implementation. The responsibilities of such person shall be, in particular:</p> <ul style="list-style-type: none"> a) supervising the implementation of individual EMP terms in the subsequent stages of the Contract implementation; b) ongoing monitoring of the status of implementation of individual terms of Appendix 1 and Appendix 2 to the EMP in the <i>Contract Area</i>; c) informing the management of the Contractor's team on a current basis about the obligations resulting from the EMP at a given stage of works, as well as about problems in the implementation of the EMP; d) co-operation with the rest of the Contractor's team (including a team of environmental experts, a team of archaeologists, a team of sapper supervision, and H&S supervisor) in the scope of ensuring the implementation of the EMP; e) preparation of commentaries and reports for the Engineer (e.g. kick-off, monthly, quarterly, ad-hoc, final report); f) development of memos and reports for RDOŚ Rzeszów and/or for GDOŚ (to the extent resulting from the relevant administrative decisions obtained at the Contract implementation stage [e.g. permits on departure from bans related to the protected species, as discussed under item 38], if the Contractor would obtain such decisions); g) co-operation with people responsible for the implementation of the EMP from the Engineer's team and the Employer's team. <p>The Engineer's approval is required for the person appointed to perform the above-mentioned function.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
103.	<p>Providing a team of environmental experts Throughout the whole <i>Contract Implementation Period</i> the Contractor shall provide a team of environmental experts. The environmental team shall be composed of the representatives of the following specializations:</p> <ul style="list-style-type: none"> a) botanist – phytosociologist (natural habitats and protected plant species); b) zoologist – entomologist (invertebrates); c) zoologist – herpetologist (amphibians and reptiles); d) zoologist – ornithologist (birds); e) zoologist – chiropterologist (bats); f) water protection expert. <p>The personnel composition of the team of environmental experts requires the Engineer's approval. It is possible to combine the functions listed in point a-e by one person.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
104.	<p>Responsibilities of the team of environmental experts The team of environmental experts will be involved in the implementation of mitigating measures related to the protection of natural environment resources, as defined in this EMP. Environmental supervision during the investment implementation period should in particular:</p> <ul style="list-style-type: none"> a) checking the current status of habitats and populations of selected species in the investment zone and in the buffer after approx. 50 m on both sides of the delimited belt of flood protection embankments, b) monitor and determine the impact of the investment on the population status of protected species and their habitats - at a distance of about 500 m on both sides of the belt of flood protection embankments, c) verify the methodology of the construction works carried out and their impact on protected species and natural habitats, d) a chiropterologist will be present during felling of trees and shrubs, e) react immediately if an observed or highly probable negative impact of the works on the species and habitats to be protected is identified, f) indicate the necessity and means of carrying out activities to minimise environmental damage, g) monitor and determine the effectiveness of the minimisation measures taken, h) carry out herpetological monitoring on the whole area of the implemented investment including, among others: <ul style="list-style-type: none"> – to determine the location of temporary hurdles, to issue instructions for their correct installation and to examine the tightness of herpetological hurdles, – to keep a log of amphibians' observations, – habitat analysis of sites to which amphibians are transferred: the analysis is to include a description of dominant and characteristic plant species, composition of the herpetofauna, anthropopressure risks, characteristics of chemical factors determining good reproductive conditions for transferred amphibians. <p>Being involved in the work on other OVFM Project contracts or on any other Contracts cannot limit the availability of the experts for this Contract.</p> <p>Before the commencement of works, the Contractor will submit to the Engineer's approval a Quality Assurance Plan regarding the activities of the team of environmental experts.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
105.	<p>Providing a team of archaeological experts Throughout the whole <i>Contract Implementation Period</i> the Contractor shall provide a team of archaeological experts. These experts will be involved in the implementation of selected mitigation measures related to protection of cultural heritage, as specified in the EMP (see items: 100, 101). Monthly reports on actions of the archaeological supervision team shall be developed and attached to the Contractor's reports (as discussed under item 109).</p> <p>Depending on the needs, a team of archaeological experts can consist of one or more people with the appropriate professional licenses. The personnel composition of the team of archaeologists requires the approval of the Engineer.</p> <p>Being involved in the work on other OVFM Project contracts or on any other Contracts cannot limit the availability of the experts for this Contract.</p> <p>Before the commencement of works, the Contractor will submit to the Engineer's approval a Quality Assurance Plan regarding the activities of the team of archaeological experts.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
106.	<p>Ensuring the team of sapper archaeologists For the entire <i>Contract implementation period</i>, the Contractor will ensure the participation of a team of sapper supervision. This team will be involved in the implementation of selected mitigation measures to protect health and safety of people, as specified in the EMP (see items: 90, 99). Depending on the needs, a team of sapper supervision can consist of one or more people with the appropriate professional licenses. The Engineer's approval is required for personal composition of the team of sapper supervision. Being involved in the work on other OVFMP Project contracts or on any other Contracts cannot limit the availability of the experts for this Contract. Prior to the commencement of works, the Contractor will submit to the Engineer for approval a Quality Assurance Plan for the sapper supervision team.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
107.	<p>Training of the Contractor's staff for EMP implementation The Contractor is obliged to train their managerial and engineering and technical staff on the rules and methods of implementation of these EMP conditions which, in accordance with Appendix 1 and Appendix 2 of the EMP, are assigned to the Contractor. Such training should be concluded with a test of participants' knowledge. The Contractor, in monthly reports submitted to the Engineer, will provide information on the status of training for the Contractor's personnel within EMP conditions in the current reporting period.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
108.	<p>Discussing the EMP implementation during working meetings and at Site Councils In the Contract implementation period, monthly meetings will be held between representatives of the PIO, Engineer and Contractor to discuss and control the implementation of the mitigation and monitoring measures specified in the EMP. Meeting memos / protocols shall be developed for the purpose of those meetings, and they shall be attached to monthly reports discussed under item 109. Notwithstanding the above, updated requirements and problems related to the implementation of the EMP will be discussed at all Site Meetings and included in Site Meeting memos / protocols.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works. An agreement with the Contractor for Contract OVFMP 3D.3 was signed on May 14, 2021. On May 14, 2021, the handover of the construction site took place. Due to the provisions of the Decision of environmental conditions, no substantial construction works were performed for the Contract between the handover of the construction site and the end of July 2021. During this period, the Contractor prepared the documentation and carried out selected preparatory works in accordance with the recommendations of the EMP and the Decision on Environmental Conditions. The works up to 08/18/2021 were supervised by the Investor himself. On 08/19/2021, a Contract Engineer was appointed to start supervising the implementation.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
109.	<p>Reporting the implementation status of the EMP During the <i>Contract Implementation Period</i>, the Contractor will submit monthly reports to the Engineer on the implementation of the conditions specified in the EMP (in the form of a checklist together with the necessary attachments, including reports on the implementation of environmental supervision and archaeological supervision) and shall include a description of the EMP implementation status in monthly Progress Reports. A template of the above-mentioned reports (checklist) will be developed by the Contractor and submitted to the Engineer for approval. Depending on the circumstances, the Engineer may request the Contractor to submit additional reports regarding, among others, emerging critical situations, accidents, implementation of selected EMP items, and others. Within six months after the completion of the works, a report on the conducted nature supervision together with photographic documentation should be submitted to the Regional Director for Environmental Protection in Rzeszów.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works. An agreement with the Contractor for Contract OVFMP 3D.3 was signed on May 14, 2021. On May 14, 2021, the handover of the construction site took place. Due to the provisions of the Decision of environmental conditions, no substantial construction works were performed for the Contract between the handover of the construction site and the end of July 2021. During this period, the Contractor prepared the documentation and carried out selected preparatory works in accordance with the recommendations of the EMP and the Decision on Environmental Conditions. The works up to 08/18/2021 were supervised by the Investor himself. On 08/19/2021, a Contract Engineer was appointed to start supervising the implementation.</p>
110.	<p>Obligation to observe ES requirements and conditions The Contractor shall be obliged to apply and observe all ES policies' requirements and conditions (i.e. the ones related to environmental, social and health and safety issues) as determined in the Contract documents, in the Operational Policies and Procedures of the World Bank concerning protection of health and environment, as well as safeguard policies (see: description in Chapter 6 of the EMP), in the WBG's Environmental, Health and Safety (EHS) Guidelines (see: description in Chapter 6 of the EMP), in the ES Code of Conduct developed on the stage of filing a bid (see: description in Chapter 6 of the EMP), in documents of the Contractor listed in item 89 (above), and as results from the legislation valid in Poland (including the Labor Code, the Construction Law, and others). The ES requirements and conditions determined in reference to the Contractor and its personnel in the aforementioned sources (regardless of the legal cooperation form) are also valid in the scope relevant for a given case for Contractor's subcontractors and their personnel and their subcontractors.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
111.	<p>Assurance of safety in case of accidents at work The Contractor is obliged to assure such conditions for implementation of the Contract (including performance conditions) to avoid accidents engaging any people associated with implementation of the Contract (including the staff of e.g.: the Contractor, the Engineer, the Investor, the PCU, subcontractors, suppliers, and others) and third parties. In case an accident happens, the Contractor shall immediately assure proper treatment for injured people, notify relevant services and provide them with access to the site, and secure the place in a way assuring safety to the above-mentioned services and other people, who may be present in the area of the event. Regardless of the above-mentioned actions the Contractor shall immediately inform the Engineer about all accidents and near misses related to implementation of the Contract (both: on site, as well as in any other location), in accordance with binding procedures determined in the Contract documents (see also: item no. 118).</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
112.	<p>Provision of H&S Expert in the Contractor's team The Contractor is obliged to assure a permanent H&S supervision throughout the Contract implementation period, and the supervisor shall take care for observing the H&S rules determined in the Contract documents and in the binding provisions of national law. Members and qualifications of the H&S supervising team need to be in compliance with Polish provisions of the labour law.</p>	<p>IMPLEMENTED Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end of Contract execution. Problems occurred with the implementation of the measure in the period of the 1st quarter of 2022. In February 2022, there were sudden changes to the Contractor's personnel in the Health and Safety position – there was a need to complete documents resulting from staff changes. The Contractor delayed the transmission of the documents. The documents were completed in future reporting periods. The above shortcoming has no actual impact on the environment.</p>
113.	<p>Educational actions related to H&S rules and regulations The H&S Supervising team will conduct training and implement an awareness enhancement programme for the Contractor's staff in reference to the H&S rules and regulations on site. Those actions will be implemented for the entire period of the performance of works, at least once per 6 months. They shall take a form of informational, educational and awareness campaigns related to H&S issues in the scope corresponding with the current stage of Contract implementation.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
114.	<p>Assurance of safety for people in case of sexual harassment and mobbing The Contractor is obliged to assure such conditions of Contract implementation to avoid cases of sexual harassment or mobbing towards the Contractor's personnel and subcontractors, any other people associated with implementation of the Contract, and any third parties. If above-mentioned cases of sexual harassment or mobbing occur, the Contractor will undertake measures to immediately stop the above-mentioned behaviour, and subsequently it shall immediately take disciplinary measures determined by the law and internal regulations of the company in relation to perpetrators, and shall provide the victims of such behaviour with any necessary help and support in the scope corresponding with the case. Regardless of the above-mentioned actions the Contractor shall immediately inform the Engineer about any cases of sexual harassment or mobbing, in accordance with binding procedures determined in the Contract documents (see also: item no. 118).</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
115.	<p>Educational actions to prevent cases of sexual harassment and/or mobbing The Contractor will conduct training and implement an awareness enhancement programme for the Contractor's staff in reference to the prevention of cases of sexual harassment and mobbing. Those actions will be implemented for the entire period of the performance of works, at least once per 12 months. They shall take a form of informational, educational and awareness campaigns related to sexual harassment and mobbing. The measures will be conducted by an expert having proper substantive qualifications in that scope, who would remain a member of the Contractor's team.</p>	<p>IMPLEMENTED No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
116.	<p>Ensuring the appropriate conditions of work and pay for the personnel</p> <p>The Contractor is obliged to ensure the appropriate conditions of work and pay for the personnel in connection with the implementation of the Contract, fully in accordance with provisions of the labour law binding in Poland (and especially with the Labour Code), including notably:</p> <ul style="list-style-type: none"> • the Contractor shall assure equal treatment in case of payment for the employees performing the same work, without consideration of sex, sexual orientation, and age; • people employed at the Contract shall not be harassed due to sex, sexual orientation and age; • the Contractor may employ only such a young employee, who is 15 years old, completed at least 8-years of primary school, and provided a medical statement confirming that a work of a given type is not risky to his/her health; • the Contractor shall ensure that juvenile employees (persons under the age of 18) will not perform work that is forbidden for juvenile employees¹, including in particular works that create an accident hazard, including construction and demolition work; • the Contractor – adequately to the potential and conditions, and in accordance with Polish provisions of the Labor Code – shall secure the living and social needs of the employees on the work site; • the Contractor shall be obliged to facilitate the employees in improving their professional qualifications. 	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
117.	<p>Educational actions related to the filing of claims referring to the conditions of work and pay</p> <p>The Contractor will inform all people employed in connection with the implementation of the Contract about a possibility of providing claims related to the conditions of work and pay, and will develop an information leaflet with necessary data on provision of claims and applications, in which it would assure about e.g. the absence of repercussion for a person notifying about an issue. Proceeding rules described in the aforementioned leaflet cannot be against the guidelines given in the document titled “<i>Grievance Redress Mechanisms</i>”, as published on the website of the World Bank². Contents of the above-mentioned leaflet will be agreed with the Engineer.</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>
118.	<p>Development and implementation of procedures related to the ongoing provision of information on ES issues</p> <p>In the period not longer than 30 days from the commencement date of the Contract, the Engineer will create and provide the Contractor with a set of procedures related to the regular provision of information related to the following:</p> <ul style="list-style-type: none"> • exceptional hazards (i.e. emergency and crisis situations discussed in section 5.12 of the EMP); • accidents and near misses; • cases of sexual harassment and mobbing; • claims of the personnel related to the conditions of work and payment. <p>The Contractor will immediately inform the Engineer about any issues in that scope, in accordance with the conditions determined under the valid contractual procedures.</p>	<p>IMPLEMENTED</p> <p>Implementation of the measure was started in the 2nd quarter of 2021 and was continued until the end of Contract execution. Problems occurred with the implementation of the measure in the period of the 2nd quarter of 2021. The procedures required were not presented in the quarterly period mentioned. Development and implementation of procedures related to the ongoing provision of information on ES issues took place in the period from the 3rd quarter of 2021, i.e. during the period of the Engineer’s appointment. The above shortcoming has no actual impact on the environment.</p>

¹ In accordance with provisions set out in the *Regulation on works prohibited for juveniles*
https://miip.geomalopolska.pl/mapa/glebowo_rolnicza.html

² At <http://documents.worldbank.org/curated/en/145491521090890782/Grievance-redress-mechanisms>
https://miip.geomalopolska.pl/mapa/glebowo_rolnicza.html

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
119.	<p>Guidelines on prevention of infectious diseases (including HIV/AIDS type diseases and diseases caused by corona viruses)</p> <p>The Contractor shall, via an approved service provider, implement an awareness-raising programme (including an appropriate training) on the prevention of sexually transmitted diseases (among others HIV/AIDS) and other infectious diseases (including those caused by coronaviruses) and shall take all other measures to reduce the risk of transmission of infectious diseases among the Contractor's personnel and the local community. These activities should be performed in accordance with the detailed guidelines set out in the Bidding Documents.</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2021 and was continued for the entire period of execution of works.</p>
120.	<p>Rules of conduct in the event of an epidemic state or an epidemic risk state</p> <p>In the event that an epidemic state or an epidemic risk state is in force during the <i>Contract Implementation Period</i>, the Contractor is obliged to:</p> <p>a) to provide the persons on the construction site with all necessary precautions to maintain the health and safety of persons related to the Contract implementation, to the extent described in the Terms and Conditions of the Contract, in particular to introduce appropriate measures to avoid or minimize the spread of infectious diseases, including measures aimed at avoiding or minimizing the transmission of infectious diseases that may be associated with the inflow of temporary or permanent labor, related to the Contract implementation, in the manner specified in the applicable Law (e.g. in regulations issued pursuant to the Act of 5 December 2008 on preventing and combating infections and infectious diseases in humans, and others);</p> <p>b) designate a person responsible under the Contract for matters relating to the health and safety at work during an epidemic state or an epidemic risk state;</p> <p>c) implement relevant recommendations of the World Bank and sanitary services in the Republic of Poland;</p> <p>d) cooperate with the Engineer and the Investor, in particular provide current information on the precautions taken or planned, (including the appropriate protection of the construction site against unauthorized access, the procedures introduced and the appropriate updating of the documents described in item 6.14, in particular the Health and Safety Plan);</p> <p>e) organize information action (e.g. in the form of posters and instructions on the construction site) on the symptoms and signs of infection, virus spread, protection measures (including among others regular hand washing);</p> <p>f) organize training for the Contractor's personnel who is related to the Contract implementation, at least in the scope of:</p> <ul style="list-style-type: none"> • updated procedures and documents, • symptoms and signs of COVID-19 (or any other infectious disease connected with an established epidemic state or epidemic risk state), including self-monitoring of symptoms, spread of the virus, available protection measures, • procedures in case of noticing symptoms of the disease in oneself and others, • regulations in force concerning the quarantine of workers and their families, remuneration for the period of illness, isolation or quarantine, the provision of health care, including sanitary transport carried out in connection with the prevention of infection, • applicable procedures for signaling infringements or reporting complaints by employees, • waste handling (e.g. masks, gloves, disinfectants and cleaning products). <p>In the course of an epidemic state or an epidemic risk</p>	<p>IMPLEMENTED</p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2021 and was continued for the entire period of execution of works.</p>

Item	Mitigation measures acc. to Appendix 1 of EMP	Implementation status in reporting period
(1)	(2)	(3)
	state, within the scope of the law, training should be provided by electronic means of communication or in the form of selfeducation.	

Developed by: Sylwia Salach

signature:

place and date: Rzeszów,

Verification: Rafał Salach

signature:

place and date: Rzeszów,

Approval: Adrianna Siemionek - Ryszkowska

signature:

place and date: Rzeszów,

Part II. Checklist for implementation of the monitoring measures listed in Appendix 2 to the EMP for contract 3D.3

Explanations for the checklist presented in Part II

The measures listed in Appendix 2 to the EMP for Contract 3D.3 are grouped in 19 thematic categories (marked with letters A.-S.):

Cat.	Category Name	Item on the list
A-S)	Monitoring of implementation of the mitigation measures in Appendix 2 to the EMP	items no. 1-120

The numbers in the column “Item” – from 1) to 120) – stand for the numbers of relevant monitoring measures, according to the numbering in Appendix 2 of the EMP.

The following is given for each of monitoring measures:

- description of the measure
(marked with ***bold and italicised font*** together with number in the column “Item”);
- the content of the measure presented in the wording of Appendix 2 of the EMP (together with detailed implementation guidelines of a given monitoring measure given in Appendix 2 of the EMP);
- description of the implementation status of the measure in the reporting period.

Table 2. Checklist for implementation of the monitoring measures listed in Appendix 2 to the EMP for Contract 3D.3

Item	Monitoring measure according to Appendix 2 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
A) – T) MONITORING OF IMPLEMENTATION OF THE MEASURES IN APPENDIX 2 TO THE EMP		
1-124)	Monitoring of the implementation of mitigation measures from items no. 1-120 in Appendix 1 to EMP. <i>Detailed guidelines for the implementation of the above-mentioned measure, given in item 1-120 of Appendix 2 of the EMP:</i> <u>Subject of monitoring</u> In accordance with the descriptions given in item 1-120 in Appendix 2 of the EMP. <u>Place of monitoring</u> In accordance with the descriptions given in item 1-120 in Appendix 2 of the EMP. <u>Method of monitoring</u> In accordance with the descriptions given in item 1-120 in Appendix 2 of the EMP. <u>Period and frequency of monitoring</u> In accordance with the descriptions given in item 1-120 in Appendix 2 of the EMP. <u>Monitoring unit</u> Investor, Engineer and Contractor (in accordance with the descriptions given in item 1-120 in Appendix 2 of the EMP).	IMPLEMENTED Implementation of the measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period. No problems were identified with the implementation of the measures.

Developed by: Sylwia Salach

signature:

place and date: Rzeszów,

Verification: Rafał Salach

signature:

place and date: Rzeszów,

Approval: Adrianna Siemionek - Ryszkowska

signature:

place and date: Rzeszów,

Part III. Quantitative list of implementation of the measures listed in Appendix 1 and 2 to the EMP for contract 3D.3

The table below presents a quantitative list of the implementation of the measures listed in Appendix 1 and 2 of the Environmental Protection Plant (EMP) for the contract 3D.3 within the reporting period.

Category	Mitigation measures (items nos. 11-20 in Appendix 1 of EMP)		Monitoring measures (items nos. 1-120 in Appendix 2 of EMP)	
	N	Item No.	N	Item No.
The measures implemented and completed in the reporting period	104	items no. 1-2, 4-15, 19-21, 24, 26-29, 31, 33, 35-38, 41-60, 62-79, 81, 84-120	120	items no. 1-120
The measures not implemented in the reporting period (considered as not related to the reporting period (there was no need to implement them))	16	items no. 3, 16-18, 22-23, 25, 30, 32, 34, 39-40, 61, 80, 82-83	0	item no. –