

## CHECKLIST FOR IMPLEMENTATION OF THE MEASURES LISTED UNDER APPENDIX 1 AND APPENDIX 2 TO THE ENVIRONMENTAL MANAGEMENT PLAN

Appendix no. 1

to the Final report on the implementation of the measures listed under the EMP  
for Contract 3D.2/2

Odra-Vistula Flood Management Project

OVFMP Subcomponent	3D Passive and active protection in San basin
Contract Task	<b>Expansion of the left and right embankment of the Biala River in the Tarnow Municipality and the City of Tarnow</b>
Investor / Project Implementation Unit	State Water Holding Polish Waters Regional Water Management Authority in Cracow 22. Marszałka J. Piłsudskiego Street, 31-109 Cracow, Poland
Project Implementation Office (PIO)	Project Implementation Office in Cracow 22. Marszałka J. Piłsudskiego Street, 31-109 Cracow, Poland
Works Contractor	SKANSKA S.A. 173. "Solidarności" Alley, 00-877 Warsaw, Poland
Engineer	AECOM Polska Sp. z o.o. Project Office: 1. Pokoju Alley, 31-548 Cracow, Poland

This document – constituting **Appendix no. 1** to the *Final Report on the implementation of the measures listed under the Environmental Management Plan for Contract 3D.2/2* (reporting period: August 3, 2021 - October 16, 2023), consists of the following parts:

- Part I. Checklist for implementation of mitigation measures listed under Appendix 1 to the Environmental Management Plan (EMP).
- Part II. Checklist for implementation of monitoring measures listed under Appendix 2 to the EMP,
- Part III. Quantitative list of implementation of measures listed under Appendix 1 and 2 to the EMP, within the reporting period.

## Part I. Checklist for implementation of mitigation measures listed under Appendix 1 to the EMP for Contract 3D.2/2

This part of Appendix no. 1 to the *Final Report on the implementation of the measures listed under the Environmental Management Plan* for Contract 3D.2/2 presents a checklist for implementation of mitigation measures listed under Appendix 1 to the EMP within the reporting period.

### Explanations for the checklist presented in table 1

The mitigation measures listed under Appendix 1 to the EMP are grouped in 20 thematic categories (marked with letters A.-T.):

Cat.	Category Name	Item on the list
A.	Requirements on schedule of works	items no. 1-2
B.	Requirements on road access to the Contract execution area	items no. 3-12
C.	Requirements on locations of site facilities and technological roads and yards	items no. 13-21
D.	Requirements on the quality and management of soils	items no. 22-23
E.	Requirements for works in the embanked area and in channels	items no. 24-25
F.	Requirements on proceeding with topsoil/mineral soil	items no. 26-31
G.	Requirements on removing (felling) trees and shrubs	items no. 32-33
H.	Requirements on protecting trees and shrubs not intended for removal (felling)	items no. 34-41
I.	Requirements on securing protected natural resources	items no. 42-55
J.	Requirements for demolition	items no. 56-58
K.	Requirements on recreation of the site after the completion of construction works	items no. 59-62
L.	Requirements on the prevention of the environmental pollution	items no. 63-86
M.	Requirements on waste management	items no. 87-91
N.	Requirements on health and safety protection	items no. 92-98
O.	Requirements on extraordinary threats to the environment	items no. 99-101
P.	Requirements on conservation of historic monuments	items no. 102-104
Q.	Requirements for the contractor's personnel involved in the implementation of the EMP	items no. 105-110
R.	Requirements on reporting on the implementation of the EMP	item no. 111
S.	Requirements after completion of works	items no. 112-114
T.	Remaining ESHS requirements	items no. 115-124

The numbers in the column “Item” – from 1. to 124. – 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 mitigation measures listed under Appendix 1 to the EMP for Contract 3D.2/2

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
1	<p><b>EMP conditions on the schedule of works</b></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 works should be taken into account, described in detail in the consecutive items of the table, including, in particular:</p> <p>(a) acceptable hours of works (see item 78);</p> <p>(b) acceptable dates for removing (felling) trees and bushes (see item 32);</p> <p>(c) dates of environmental inspection before removal (felling) of trees (see item 33);</p> <p>(d) optimum date for conducting works within the root volumes of trees and shrubs (see item 38);</p> <p>(e) dates of inspections related to ensuring the protection of small animals on the site (see items 44 and 45);</p> <p>(f) dates of inspection for the Contract execution area by the team of environmental experts (see item 51);</p> <p>(g) agreeing deadlines for carrying out land reclamation works (see item 60);</p> <p>(h) deadlines for reporting the implementation of the EMP (see item 111).</p>	<p><b>Implementation status for particular elements:</b></p> <p>a) <u>acceptable hours of works</u> See: description under item no. 78.</p> <p>b) <u>acceptable time of removing (felling) trees and shrubs</u> See: description under item no. 32.</p> <p>c) <u>dates of environmental inspection before removal (felling)</u> See: description under item no. 33.</p> <p>d) <u>the optimal date for conducting works within the root volumes of trees and shrubs</u> See: description under item no. 38.</p> <p>e) <u>dates of inspections related to ensuring the protection of small animals on the site</u> See: description under items no. 44 and 45.</p> <p>f) <u>dates of inspection for the Contract area by the team of environmental experts</u> See: description under item no. 51.</p> <p>g) <u>agreeing deadlines for carrying out land reclamation works</u> See: description under item no. 60.</p> <p>h) <u>deadlines for reporting the implementation of the EMP</u> See: description under item no. 111.</p>

2	<p><b>EMP conditions concerning the activities to be carried out before or at the initial stage of works</b></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:</p> <p>(a) conditions for building and equipping the construction site facilities, service roads and sites (see items 13-16, 65, 67-73, 87-91).;</p> <p>(b) conditions for the road access to the construction site (see items 3-12, 114);</p> <p>(c) the condition for removing and securing the layer of topsoil/mineral soil (see items 26 - 31);</p> <p>(d) the condition for securing trees and shrubs unintended for removal (felling) (see item 34);</p> <p>(e) conditions for the implementation of environmental inventories (see item 42);</p> <p>(f) the condition for securing the building site against the entry of small animals (see item 45);</p> <p>(g) the condition for obtaining decisions authorising exceptions to the principles of species protection of plants, fungi and animals (see items 52, 53);</p> <p>(h) the condition for the conducted demolition (see items 56, 57, 58);</p> <p>(i) conditions for the development of selected documents (see items 52, 53, 87, 92, 99, 111);</p> <p>(j) conditions for documentation of technical condition of buildings and infrastructure facilities (see items 9, 94);</p> <p>(k) the condition for explosive ordnance survey of the site (see item 93);</p> <p>(l) the condition for inventory of illegal landfills and waste disposal (see item 91);</p> <p>(m) the condition on heritage protection (see items 102 - 104);</p> <p>(n) the condition for obtaining the Engineer's approval for 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 106-109).</p> <p>(o) the condition for training on the guidelines of the EMP implementation (see item 105).</p>	<p><b>Implementation status for particular elements:</b></p> <p>a) <u>conditions for building and equipping the construction site facilities, as well as technological roads and yards</u> See: description under items no. 13-16, 65, 67-73, 87-91</p> <p>b) <u>conditions for the road access to the construction site</u> See: description under items no. 3-12, 114</p> <p>c) <u>the condition for removing and securing the topsoil/mineral soil</u> See: description under items no. 26-31.</p> <p>d) <u>the condition for securing trees and shrubs unintended for removal (felling)</u> See: description under item no. 34.</p> <p>e) <u>conditions for the implementation of environmental inventories</u> See: description under item no. 4.</p> <p>f) <u>the condition for securing the building site against the entry of small animals</u> See: description under item no. 45.</p> <p>g) <u>the condition for obtaining decisions authorising exceptions to the principles of species protection of plants, fungi and animals</u> See: description under items no. 52, 53.</p> <p>h) <u>conditions for the conducted demolition</u> See: description under items no. 56, 57, 58</p> <p>i) <u>conditions for the development of selected documents</u> See: description under items no. 52, 53, 87, 92, 99, 111</p> <p>j) <u>conditions for documentation of technical condition of buildings and infrastructure facilities</u> See: description under items no. 9, 94.</p> <p>k) <u>the condition for explosive ordnance survey of the site</u> See: description under item no. 93.</p> <p>l) <u>the condition for inventory of illegal landfills and waste disposal</u> See: description under item no. 91.</p> <p>m) <u>the condition on heritage protection</u> See: description under items no. 102-104.</p> <p>n) <u>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</u> See: description under items no. 106-109.</p>
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Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
		o) <u>the condition for training on the guidelines of the EMP implementation</u> See: description under item no. 105.
3	<b>Conditions of use of access roads to the Contract execution area</b> The Contractor shall ensure proper marking of all access roads to the <i>Contract execution area</i> , in accordance with applicable law and arrangements with relevant Road Managers. These markings will be regularly inspected, and in the event of their destruction or theft, the Contractor will immediately take action to restore or supplement them.	<b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.  In the 3rd quarter of 2021, problems were identified with the implementation of the measure, as described in chapter 4.4 of this <i>Report</i> .
4	<b>Conditions of use of access roads to the Contract execution area</b> The Contractor will ensure the protection of people against increased vehicular traffic on roads used during the construction works. In the <i>Contract implementation period</i> , the Contractor will provide, install and operate all temporary safety devices (e.g. traffic lights, information boards, safety barriers), thus ensuring the safety of vehicles and pedestrians.	<b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.
5	<b>Conditions of use of access roads to the Contract execution area</b> Delivery routes for the construction equipment and for the means transporting building material to the Contract area should be set out within the existing network of traffic routes and limited to the necessary minimum. The Contractor will take into account the location of the monuments described in chapter 4.9 of the EMP when setting out the routes.	<b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.
6	<b>Conditions of use of access roads to the Contract execution area</b> Hardened surfaces (e.g. technological and access roads) and related facilities applied for their proper application, used by the cars transporting building materials and aggregate, should be kept in a proper technical condition.	<b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.
7	<b>Conditions of use of access roads to the Contract execution area</b> The Contractor shall comply with statutory restrictions for the axle load for the transport of materials and equipment to and from the <i>Contract execution area</i> . The Contractor shall obtain all necessary permits for the transport of atypical loads and continuously notify the Engineer of any such carriage.	<b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.
8	<b>Conditions of use of access roads to the Contract execution area</b> 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 during the implementation of the Contract. The Contractor is also responsible for restoring the flow capacity of ditches and drainage installations in the area of the works being conducted and the transport routes being used in the event of damages caused by the execution of works and transport related to the management of works. The Contractor shall immediately repair, at its own expense, all damages arisen and – when necessary – shall carry out other works ordered by the Engineer.	<b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
9	<p><b>Conditions of use of access roads to the Contract execution area</b></p> <p>a) The Contractor is obliged to prepare photographic documentation of the entire <i>Contract execution 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. The completed documentation should be described with the place and the date of development thereof.</p> <p>b) prior to the works, the Contractor shall carry out the site inspections in the presence of Road managers, which shall be followed by protocols on the condition of access roads to the Contract execution area. Based on the protocols, the Contractor will be obliged to restore the technical condition of the roads.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period from the 3rd quarter of 2021 until the 4th quarter of 2021 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
10	<p><b>Conditions of use of access roads to the Contract execution area</b></p> <p>a) The Contractor is obliged to agree with Road managers the traffic management plan and works protection plan. The Contractor is obliged to carry out the traffic management according to agreed designs (marking and securing of the Contract execution area, marking of detours and recommended marking of roads, related to the change in traffic management, etc.).</p> <p>b) prior to the commencement of works, the Contractor shall submit to the Engineer for approval the traffic management plan and works protection plan as agreed upon with Road managers and traffic authorities as well as the traffic management schedule. Depending on the needs and Works progress, the traffic management plans shall be updated by the Contractor on a regular basis.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period from the 3rd quarter of 2021 until the 4th quarter of 2021 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
11	<p><b>Conditions of use of access roads to the Contract execution area</b></p> <p>The Contractor will ensure access routes for rescue teams (ambulance, fire brigade, etc.) for the entire time of the works carried out, marking out roads, exits, passages for pedestrians and parking for vehicles used in the construction site.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
12	<p><b>Setting out new access roads to the Contract implementation area</b></p> <p>When necessary to make additional temporary access roads (technical lanes) to the Contract execution area, it should be outlined as the shortest possible section, outside the areas of high natural value.</p> <p>A temporary course shall be arranged - within their routes – using reinforced-concrete slabs having a width of up to 3.0 m, and those shall be removed after the completion.</p> <p>Temporary access roads / technical lanes shall be set out to avoid felling of trees or shrubs.</p> <p>The planned location of access roads should be agreed with the team of environmental experts (including e.g. phytosociologist) and presented for the Engineer's approval along with the above-mentioned establishments.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period</p> <p>(a need of developing new access roads to the <i>Contract execution area</i> was not identified in the <i>Contract implementation period</i> beyond the existing system of public and non-public roads).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
13	<p><b>Obligation to build construction site facilities, technological roads and yards</b></p> <p>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.</p> <p>Equipment for site facilities should meet, among others, conditions provided for in items 44, 65, 68 – 73, 88 – 90, 96.</p> <p>When planning the above components of the construction site, it is needed to ensure limitation of their area to a necessary minimum.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
14	<p><b>Conditions for location of site facilities, backyards, storage sites etc.</b></p> <p>Site facilities in the form of reloading/storage/construction yards shall be fenced and hardened using concrete road slabs. One should designate a sealed place on the site for refuelling and for minor repairs to the construction equipment (the sealing should include placement of a geo-membrane – foil underneath the concrete slabs).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
15	<p><b>Conditions for location of site facilities, backyards, storage sites etc.</b></p> <p>Materials storage place, social facilities and parking lots for machines and equipment should be located:</p> <ol style="list-style-type: none"> <li>in the greatest distance from residential houses,</li> <li>in the areas with the lowest natural values, taking into account the principle of minimizing land acquisition and transformation of its area and the obligation of land reclamation after completion of works,</li> <li>outside the immediate vicinity of flood waters of the river and outside the areas where water may be contaminated,</li> <li>outside the embanked area,</li> <li>at a distance of not less than 100 m from existing water courses, reservoirs and wetland sites;</li> <li>in the areas ensuring no impact of noise on acoustically protected areas.</li> </ol> <p>The locations intended for site facilities and the above-mentioned components of the construction site, as well as the Site Facilities Plan should be agreed with a team of environmental experts (including a phytosociologist and zoologists) and presented for the Engineer's approval together with expert agreements.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period of the 3rd quarter of 2021, from the 1st quarter of 2022 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
16	<p><b>Conditions for location of technological roads</b></p> <p>Technological roads should be located:</p> <ol style="list-style-type: none"> <li>outside the areas with the highest natural values; if the condition cannot be met in a given location, technological roads should be located in the immediate vicinity of works, taking up minimum necessary space of the areas;</li> <li>at the maximum possible distance from existing watercourses, water reservoirs and wetlands;</li> <li>in the first place on existing roads, including existing roads located next to and on the embankments;</li> <li>in a way avoiding felling of trees and shrubs.</li> </ol> <p>The locations intended for technological roads should be agreed with a team of environmental experts (including a phytosociologist in particular) and presented for the Engineer's approval together with expert agreements.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period of the 3rd quarter of 2021 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>



Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
17	<p><b>Performance conditions</b></p> <p>Organisation of and technical conditions for the performance of works associated with the construction of the project shall eliminate the possibility of disturbing water conditions.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
18	<p><b>Economical use of the site and limitation of works on the embanked area</b></p> <p>Organisation of the construction site shall include protection of the land surface comprising especially inclusion of the minimising rule for land acquisition and transformation. One should adopt the minimum width of work zone to damage the smallest possible area of vegetation.</p> <p>All works related to the implementation of the Contract should be carried out to the maximum extent possible outside the areas of the existing embanked area.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
19	<p><b>Economical use of the site - materials storage place</b></p> <p>When outlining storage spaces, their number and area should be limited to the extent necessary for the current works or activities. In the case the areas intended for storage of materials become empty, such areas should be reused as far as possible for further storage of materials.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
20	<p><b>Buy-outs and compensation</b></p> <p>Buy-outs and compensation as well as assistance for Project Affected Persons (pursuant to Land Acquisition and Resettlement Action Plan).</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (the measure was implemented and completed before the start of works). Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
21	<p><b>Payment of compensation</b></p> <p>Payment of compensation by the Contractor for temporary acquisition prior to the commencement of works (in accordance with the Land Acquisition and Resettlement Action Plan).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started and finished in the 2nd quarter of 2022.</p> <p>No problems were identified with the implementation of the measure.</p>
22	<p><b>Management of soils coming from the construction site</b></p> <p>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. The procedure for dealing with soil constituting waste should be presented in the Waste Management Plan prepared by the Contractor and submitted to the Engineer for approval prior to the commencement of works (in accordance with item 87 – preparation of a Waste Management Plan (WMP)).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
23	<p><b>Conditions for the use of soil applied for construction of the embankment</b></p> <p>An embankment for the extension of dams should be made of natural soil assuring proper parameters – strength and condensation. Materials delivered and used for construction shall be supervised, and the source of soil material origin shall especially be checked. The applied material cannot contain substances, which may be washed out, and especially substances, which are particularly harmful to the water environment, occurring in a form of soluble compounds.</p> <p>Relevant condensation of slopes shall be obtained through placement and compaction of soil in layers of about 20 cm to reach the proper condensation rate <math>I_s &gt; 0.92</math>.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the 3rd quarter of 2023.</p> <p>No problems were identified with the implementation of the measure.</p>
24	<p><b>Prohibition to obtain soil from the embanked area</b></p> <p>It is not allowed to extract soil from the embanked area.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 3rd quarter of 2023.</p> <p>No problems were identified with the implementation of the measure.</p>
25	<p><b>Prohibition to interfere with watercourse beds and riverside zone</b></p> <p>Within the Contract implementation period no interfering is allowed in channels and banks of water-courses, which includes:</p> <ul style="list-style-type: none"> <li>a) prohibited traffic of vehicles, machines, and devices;</li> <li>b) prohibited extraction of aggregate from the riverbed for construction purposes;</li> <li>c) prohibited intake of water from the riverbed;</li> <li>d) prohibition to pollute and litter the Biała riverbed and the embanked area, especially with diesel derivatives, storage of materials, etc. – the construction works cannot result in deterioration of the cleanliness of surface water and of groundwater.</li> </ul>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
26	<p><b>Removal of topsoil layer</b></p> <p>In order to protect the layer of topsoil from the Contract execution area:</p> <ul style="list-style-type: none"> <li>(a) prior to the commencement of works, approx. 15 cm thick top layer of soil should be removed from the works area, and it should be stored in piles in vicinity of the work zone;</li> <li>(b) one should not perform the works associated with the removal of the top layer of soil during intensive rainfall or just afterwards.</li> </ul> <p>Earthworks should be carried out under the supervision of a naturalist.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 3rd quarter of 2022.</p> <p>No problems were identified with the implementation of the measure.</p>
27	<p><b>Storage of topsoil</b></p> <p>The removed layer of the topsoil should be stored in the following way:</p> <ul style="list-style-type: none"> <li>a) the removed topsoil should be stored beyond the area of earthworks in piles;</li> <li>b) the precise location of topsoil piles should be pre-arranged with a team of environmental experts (including phytosociologist and zoologist expert), so that the topsoil storage does not degrade natural habitats and protected species, nor does it adversely affect the condition of trees and shrubs;</li> <li>c) stored topsoil heaps should be protected from damage, running over, thickening, storage of building materials, etc.;</li> <li>d) storage piles of topsoil, until they are reused for final shaping of the embankment and adjacent areas, should be kept in adequate humidity, in a manner allowing for its reuse – they should be systematically sprinkled, with a frequency depending on the weather.</li> </ul>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 3rd quarter of 2023.</p> <p>In the period from the 3rd quarter of 2021 until the 3rd quarter of 2022 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
28	<b>Use of topsoil</b> After finishing the construction works, the topsoil should be entirely used to reinstate the area.	<b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 2nd quarter of 2022 and was conducted until the 3rd quarter of 2023. No problems were identified with the implementation of the measure.
29	<b>Collecting the mineral soil layer</b> About 40 cm thick layer of mineral soil should be removed after removing the topsoil (locally more due to placement of the bentonite mat).	<b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the 3rd quarter of 2022. No problems were identified with the implementation of the measure.
30	<b>Storing the mineral soil</b> The removed layer of mineral soil should be stored in the following way: a) removed mineral soil should be stored beyond the area of earthworks in piles; b) the precise location of mineral soil piles should be pre-arranged with a team of environmental experts (including phytosociologist and zoologist expert), so that mineral soil storing does not degrade natural habitats and protected species, nor does it adversely affect the condition of trees and shrubs; c) storage piles of mineral soil should be secured against: contamination, being driven over by vehicles, compaction, storage of building materials, etc.; d) storage piles of mineral soil, until they are reused for final shaping of the embankment and adjacent areas, should be kept in adequate humidity, in a manner allowing for its reuse – they should be systematically sprinkled, with a frequency depending on the weather.	<b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the 3rd quarter of 2023. In the period of the 1st quarter of 2022 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.
31	<b>Use of mineral soil</b> The stored mineral soil should be used at later stages of construction.	<b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 2nd quarter of 2022 and was conducted until the 3rd quarter of 2023. No problems were identified with the implementation of the measure.
32	<b>Permissible date of removing (felling) trees and shrubs</b> The removal of trees and bushes should be limited to the necessary minimum. The felling should be performed beyond the hatching season of birds – from October the 16th until the end of February. Occasional felling may be done during the hatching season of birds under environmental supervision – only after an ornithologist stated that nests and hollows are not occupied, there are no nestlings, and trees or shrubs to be removed are not inhabited by other animals under protection. In case of trees with identified presence of bats, the optimal time of felling is from September the 1st to October the 31st.	<b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 4th quarter of 2021 and performed additionally from the 1st quarter of 2023 to the 2nd quarter of 2023. No problems were identified with the implementation of the measure.

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
33	<p><b>Environmental supervision before and during the removal (felling) of trees with diameter of over 40 cm at breast height</b></p> <p>In the case of removing trees with diameter of over 40 cm at breast height, the following rules apply:</p> <p>(a) the removal (felling) of trees with diameter of over 40 cm at breast height should be preceded with inspection for those trees in terms of identifying protected species of invertebrates and bats, done by expert entomologist and expert chiropterologist, not later than 1 week before the felling of a given tree;</p> <p>(b) in case of identifying the occurrence of protected species of invertebrates and/or bats in trees to be removed (felled), the above-mentioned experts shall indicate acceptable time and methods for the removal and shall determine proceeding methods for wood inhabited by species of protected animals.</p> <p>(c) time of the removal (felling) established with the above-mentioned experts cannot violate the conditions determined under item 32 - Acceptable time of removing (felling) trees and shrubs.</p> <p>(d) in case of identifying the presence of protected species of invertebrates and/or bats in trees planned to be removed (felled) and/or in trees to be removed (felled), one should obtain an administrative decision required by law, which would allow for departure from the prohibitions applying to protected species of animals (if required in a given case).</p> <p>(e) transfer of specimens of protected species of invertebrates and/or bats in trees planned to be removed (felled) and/or in trees to be removed (felled) may be done under a direct supervision of the above-mentioned expert entomologist and expert chiropterologist only.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 4th quarter of 2021.</p> <p>No problems were identified with the implementation of the measure.</p>
34	<p><b>Protection of tree trunks not intended for removal (felling)</b></p> <p>Prior to the commencement of construction works, the tree trunks not intended to be felled should be protected against mechanical damage for the time of works (e.g. through application of fencing, trunk covers made of straw mats or jute, sheets made of planks or OSB panels – up to the level not lower than 150 cm).</p> <p>In case of applying plank covers, the planking should be attached to the trunk (e.g. with wire bands or steel tape) in a way that does not harm the tree.</p> <p>Within the Contract implementation period, the condition of protection for tree trunks exposed to damage should be monitored on an ongoing basis and the protection should be maintained in a proper condition providing efficient protection against mechanical damage.</p> <p>The above-mentioned trunk protections should be removed after finishing the works.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 3rd quarter of 2023.</p> <p>In the period from the 3rd quarter of 2021 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
35	<p><b>Protection of areas below tree and shrub crowns</b></p> <p>Construction works should be carried out in a way that does not harm trees and shrubs that have not been intended for removal (felling).</p> <p>At a distance of less than 1 m from the limit of projection of the crown of trees and shrubs not intended for removal (felling), it is prohibited to:</p> <ol style="list-style-type: none"> <li>establishing technological roads, yards, parking spots, and other elements that could affect soil compaction and change in aeration</li> <li>allow for traffic, stopover and parking of vehicles, machines and equipment;</li> <li>store earth masses (including topsoil) and building materials (in particular bulk materials);</li> <li>condensate the ground;</li> <li>smoke or use fire, use equipment or machines producing high temperature that can cause drying of the crown of trees.</li> </ol> <p>The storage of cement, aggregates, oils, fuels and binders is prohibited at a distance of less than 10 m from trunks of trees and shrubs not intended for removal.</p> <p>The method of forming and compacting the embankments in the vicinity of trees and shrubs not intended for removal should be agreed with an expert dendrologist, and the results of the findings should be submitted to the Engineer for approval.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period from the 3rd quarter of 2021 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
36	<p><b>Protection of tree branches exposed to damage</b></p> <p>Tree boughs should be secured by e.g. tying them to the lowest branches (boughs) or to ones placed at small height, to the ones placed above, or to support them with a prop to avoid damages to bark.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the 3rd quarter of 2023.</p> <p>In the period from the 4th quarter of 2021 until the 3rd quarter of 2022 and from the 1st quarter of 2023 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
37	<p><b>Preventive cuts of tree branches exposed to damage</b></p> <p>In the case of boughs and branches exposed to mechanical damage by working or moving vehicles, machinery and devices, preventive cuts of tree branches exposed to breakage should be performed.</p> <p>These cuts – performed under the supervision of an expert dendrologist - cannot disturb the natural habit of trees (they cannot cover more than 1/3 of the green mass), they should ensure stability and statics of trees (pruning must be even on each side of the crown).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 3rd quarter of 2023.</p> <p>In the period from the 4th quarter of 2021 until the 3rd quarter of 2022 and from the 1st quarter of 2023 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
38	<p><b>Works within tree and shrub root mass</b></p> <p>Earthworks and works related to the use of mechanical equipment carried out within the root balls of trees or shrubs not intended for removal (felling) should be carried out in a way that causes as little damage as possible to trees and shrubs, only by hand, subject to the following conditions:</p> <p>(a) skeletal roots (with a diameter of over 4 cm) should not be cut off;</p> <p>(b) excavations should be carried out no closer than 2 m from the trunk;</p> <p>(c) the time of root exposure to drying should be shortened to the minimum (while maintaining the conditions referred to in item 39 - Securing of exposed roots of trees and shrubs);</p> <p>(d) the suitable period for carrying out the work in question is from October to April.</p> <p>(e) The duration of excavations in the immediate vicinity of trees should be kept to a minimum.</p> <p>The above-mentioned activities should be performed in consultation with the team of environmental experts – expert dendrologist, and after they have been completed, the Engineer should be presented with an opinion on the above-mentioned team concerning the correct performance of the activities.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the 3rd quarter of 2023.</p> <p>No problems were identified with the implementation of the measure.</p>
39	<p><b>Securing of exposed roots of trees and shrubs</b></p> <p>Exposed roots of trees and shrubs not intended for removal (felling) should be covered with straw or jute mats.</p> <p>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 straw mats covering the roots).</p> <p>At negative temperatures, the mats should be kept dry (to prevent root frost penetration).</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period</p> <p>(a need to protect exposed tree and shrub roots was not identified during the Contract period).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
40	<p><b>Securing of damaged trees and shrubs</b></p> <p>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.</p> <p>If roots are damaged, they should be cut flush with the trench wall with a sharp tool and treated with a suitable preparation (against soil microorganisms).</p> <p>The above-mentioned activities should be performed in consultation with the team of environmental experts – expert dendrologist, and after they have been completed, the Engineer should be presented with an opinion on the above-mentioned team concerning the correct performance of the activities.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the 2nd quarter of 2023.</p> <p>In the period from the 1st quarter of 2023 until the 2nd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
41	<p><b>Protection of vegetation growing beyond the work area</b></p> <p>The work area should be clearly marked in a way visible for operators of heavy equipment in order to avoid damage to vegetation located beyond the set-out work area.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period from the 1st quarter of 2023 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
42	<p><b>One-time environmental inventory within the works area before works commencement</b></p> <p>Prior to the commencement of works, a one-time environmental inventory of the Contract execution area should be performed, executed by a team of environmental experts, referred to in item 107 - Providing a team of environmental experts.</p> <p>The purpose of the inventory is to determine the current 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 Environmental Impact Report (drawn up in 2015, together with later updates). If the presence of natural habitats and habitats or protected sites of plant and animal species in the Contract execution area has been confirmed, it is necessary to act as follows:</p> <p>(a) if a threat to protected species is identified as a result of the works, the measures provided for in the Nature Protection Act of 04/16/2004 must be taken.</p> <p>(b) in the case of natural habitats - further actions should be agreed with a competent environmental team's expert, and the results of the findings should be submitted to the Engineer for approval;</p> <p>(c) in the case of habitats or sites of protected species - perform the actions referred to in item 52 (Obtaining a decision allowing for derogations to the principles of species protection of plants, fungi and animals for the habitats and sites of protected species indicated in the EIA Report) and item 53 (Obtaining a decision allowing for derogations to the principles of species protection of plants, fungi and animals for newly discovered habitats and sites of protected species);</p> <p>(d) identified individuals of protected species (e.g. amphibians, reptiles, birds) should be relocated outside the investment area to a place with similar habitat conditions, far away enough from the Contract area, so that animals cannot return to this area until the works have been finished. All works will require an appropriate administrative decision in accordance with the procedure indicated in the above item - b). (Before relocating amphibians, one needs to obtain the permit of the owner or manager of the reservoir, watercourse or site to which they will be transferred).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started and finished in the 3rd quarter of 2021.</p> <p>No problems were identified with the implementation of the measure.</p>
43	<p><b>Limiting the time of the Contract completion</b></p> <p>The Contractor should ensure such organisation of works as to shorten the <i>Contract execution time</i> as much as possible and in this way minimise the adverse impact of works on animals living in the <i>Contract execution area</i> and its surroundings.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
44	<p><b>Securing the Contract execution area against small animals entering the site</b></p> <p>Works should be performed in such a way as to avoid killing animals.</p> <p>Secure the <i>Contract execution area</i> against small animals entering the site, and in particular:</p> <ul style="list-style-type: none"> <li>• the site of the works currently being carried out;</li> <li>• construction site facilities, storage yards, etc.;</li> <li>• land cavities where water can accumulate</li> </ul> <p>If seasonal migrations of amphibians are reported to take place on the investment site, the investment area should be secured so that the amphibians cannot get to the site where they would be at risk - for this purpose, one should properly fence the area of works with a fencing having a minimum height of 0.5 m, including 10 cm overhang on the outside (e.g. foil, agro-textile). In the bottom part, the fencing material should be driven into the ground – fences shall tightly adjoin the ground and they need to be anchored. Amphibians should be caught and moved outside the investment site under environmental supervision done by an expert naturalist experienced in field works, having know-how and abilities to recognise species and habitats in a wide range and should be relocated outside the investment area to a place with similar habitat conditions, far away enough from the investment area, so that animals cannot return to this area until the works have been finished.</p> <p>Determining the precise location of the fencing securing the Contract execution area against animals entering the site and installation of the above-mentioned fencing should be carried out under the supervision of an expert herpetologist and an expert theriologist.</p> <p>During the entire period of the Contract implementation, in case of applying the above-mentioned measures, the condition of the above-mentioned fencing should be inspected on regular basis and any possible gaps should be immediately removed, including:</p> <p>(a) from March the 1st to August the 31st these inspections should be carried out at least once every 3 days;</p> <p>(b) from September the 1st to the end of February - not less than once every 10 days.</p> <p>Fencing inspections should be carried out with the participation of the above-mentioned experts.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period</p> <p>(securing the Contract execution area against small animals entering the site was not identified in the Contract implementation period).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>



Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
45	<p><b>Inspection of places that could be traps for small animals</b></p> <p>The Construction site, and especially the opened excavations, should be properly protected against forming of traps for animals. In the end of each working day one should protect such sites through filling, covering with stiff materials (e.g. planks, chipboards), or through tight fencing.</p> <p>The excavations should be left opened for the shortest possible time.</p> <p>Prior to the commencement of works on each working day one should inspect the construction site in terms of animal presence, and similarly inspect the bottom and walls of excavations prior to their removal (filling, embedding). If necessary, one should allow the animals to leave the excavations or – eventually – catch the animals in a safe way and release them beyond the investment area.</p> <p>In the periods from March the 1st to May the 15th and from September the 15th to October the 15th, a second inspection should also be carried out every day in the late afternoon.</p> <p>The last inspection for the presence of animals in the excavations should be carried out immediately before backfilling the excavations.</p> <p>Inspections should be carried out under the guidance and in accordance with the guidelines of an expert herpetologist and expert theriologist, who will also coordinate and indicate the places of release of caught animal species.</p> <p>All wells, excavations and other anthropogenic structures which may be a trap for amphibians and small mammals should be secured according to the guidelines and under the guidance of the above-mentioned expert herpetologist and expert theriologist.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period from the 1st quarter of 2023 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
46	<p><b>Ongoing liquidation of marginal water deposits in the Contract area</b></p> <p>In the <i>Contract implementation period</i>, one should avoid forming of ruts and other land pits, where water may stay, in order to avoid provision of potentially unstable breeding habitats for amphibians. It is necessary to permanently eliminate stagnant water in places which may interfere with the current or scheduled works as well as in places where current or scheduled traffic of vehicles, machines and equipment.</p> <p>This measure aims to prevent the settlement of protected amphibian species in the <i>Contract execution area</i> during the performance of works. This measure should be conducted in consultation with an expert herpetologist who will also supervise if it is implemented correctly.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 1st quarter of 2022 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
47	<p><b>Ensuring the possibility of safe migration of amphibians</b></p> <p>Works should be carried out in a manner that ensures the safe migration of amphibians, including the migration through the planned internal roads within the Contract execution area.</p> <p>Detailed rules for meeting this condition should be agreed with a herpetologist, who will also supervise if it is implemented correctly.</p> <p>The above-mentioned agreement with a herpetologist should be submitted to the Engineer for approval.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (securing the Contract execution area against small animals entering the site was not identified in the Contract implementation period).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
48	<p><b>Trapping and relocating small animals from the Contract execution area</b></p> <p>If small animals are reported to inhabit the <i>Contract execution area</i> (amphibians, reptiles, small non-flying mammals, bats), in places where works may pose a threat to their life or health, they should be trapped and relocated from the <i>Contract execution area</i> to the appropriate habitats, located outside the impact of the works.</p> <p>These actions should be performed under the supervision of a competent environmental expert (herpetologist, theriologist and/or chiropterologist).</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (no need for trapping or relocation of animals from the Contract execution area was identified during the Contract implementation period).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
49	<p><b>Prevention of creating the bird breeding sites in the area where the works are carried out</b></p> <p>From the beginning of March until the start of construction of the project, carry out systematic mowing of the strip of land where the construction work will be conducted in order to rid the area of vegetation in which bird nesting sites could be established.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (no need to prevent bird nesting sites in the works area was identified during the Contract execution period).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
50	<p><b>Fighting alien invasive plant species</b></p> <p>When conducting the works, alien invasive plant species should be removed (at least twice a year, in the entire Contract execution area), until they disappear and are replaced with local plants. Removal of alien invasive plant species should be done by pulling out the plants (along with the root ball), transporting and then disposing of them.</p> <p>The actions should be carried out in accordance with detailed instructions specified by an expert phytosociologist.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period from the 2nd quarter of 2023 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
51	<p><b>Regular inspections of the team of environmental experts within the Contract implementation period</b></p> <p>Works and other works performed within the <i>Contract implementation period</i> should be carried out under the regular supervision of a team of environmental experts (referred to in item 107).</p> <p>These experts should, in particular, carry out regular inspections of the entire <i>Contract execution area</i> (at least once a month) and submit their comments and recommendations to the Contractor's staff responsible for carrying out works in accordance with the EMP conditions.</p> <p>The notes from the inspections should be made in writing, attached to the monthly reports on the implementation of the EMP conditions (referred to in item 111 - Reporting the implementation status of the EMP).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
52	<p><b>Obtaining a decision allowing for derogations to the principles of species protection of animals for the habitats and sites of protected species listed in EIA Report</b></p> <p>In respect of the resources of protected species and animals, as listed in the Environmental Impact Report along with subsequent updates, following actions should be performed before the commencement of construction works:</p> <p>(a) The Contractor shall obtain and submit to the Engineer for approval a written opinion of the team of environmental experts including, inter alia, the specification of:</p> <ul style="list-style-type: none"> <li>the extent of the possible impact of the works on the identified natural resources, and</li> <li>the necessity to obtain the decision referred to in point b), and then, if it proves necessary in the light of the above opinion, will perform the activities referred to in points b-d (below);</li> </ul> <p>(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;</p> <p>(c) the Engineer should be notified of the decision obtained;</p> <p>(d) the Contractor is obliged to precisely and timely implement the conditions contained in the above-mentioned decision.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 1st quarter of 2023.</p> <p>No problems were identified with the implementation of the measure.</p>
53	<p><b>Obtaining a decision allowing for derogations to the principles of species protection of plants, fungi and animals for the newly discovered habitats and sites of protected species</b></p> <p>If, prior to the commencement or during the performance of construction works in the Contract execution area, the presence of habitats or sites of protected species of flora and fauna has been reported (other than the sites referred to in item 52), then the Contractor will undertake measures listed in item 52.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the 4th quarter of 2022.</p> <p>No problems were identified with the implementation of the measure.</p>
54	<p><b>Relocation of protected species</b></p> <p>Prepare a report and photographic documentation on the activities related to the relocation/destruction of existing plant or animal species, in accordance with the guidelines provided in the obtained administrative decision.</p> <p>The report should state at least the type and quantity of relocated species, indicate the places from which and to which they will be relocated, the manner of relocation and the time.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (no need for relocation of protected species was identified during the Contract implementation period).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
55	<p><b>Fossil remnants of plants and animals</b></p> <p>In case of discovering fossil remnants of plants or animals, one should notify the regional director for environmental protection about it immediately.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (no fossil remains of vegetation and animals were discovered during the Contract implementation period).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
56	<p><b>Environmental protection within the works performance area</b></p> <p>The Contractor is obliged to provide environmental protection within the area of performing the works, and especially the protection of the land surface, greenery, natural lay of land, and water conditions.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 4th quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
57	<p><b>Limitation in using and transforming the environmental elements</b></p> <p>When conducting construction works, it is allowed to use and transform the natural components only to the extent in which it is necessary due to implementation of demolition of structures.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (no cases of the use and transformation of natural components during the demolition of structures were found during the Contract implementation period). Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
58	<p><b>Removal of damages</b></p> <p>If the protection of natural components is not possible, the Contractor is obliged to repair the caused damages.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (no need to repair damages within the limits of natural components was found during the Contract implementation period). Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
59	<p><b>Protecting slopes against erosion</b></p> <p>After the construction of embankments, it is advisable to reinforce the slopes and to sow them with grass (native species) as soon as possible in such a way as to reduce surface erosion.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2023 and was conducted until the end of the reporting period. No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
60	<p><b>Restoration of topsoil layer and green areas and tidying up the site after completion of works</b></p> <p>The following shall be performed after finishing the works:</p> <p>(a) construction facilities, technological roads and yards should be dismantled, whilst road slabs and sand collected from ballast should be transported outside the Contract execution area 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 Contract execution area), appropriate agrotechnical measures should be taken (soil loosening, fertilization, etc.), in order to prepare the restoration of the fertile soil layer;</p> <p>(c) in the areas acquired in connection with the implementation of the Contract (within the boundaries of the Contract execution area), the fertile soil layer should be restored (including the use of the topsoil collected from the area of works);</p> <p>(d) treatments facilitating the restoration of green areas should be performed – slopes of the flood embankment and any spots, from where the existing grass vegetation would be removed, should be formed using the priorly removed ground material (as a bank of seeds) and should be sown with such species of native grass species as: false oat-grass (<i>Arrhenatherum elatius</i>), orchard grass (<i>Dactylis glomerata</i>), Timothy-grass (<i>Phleum pratense</i>), meadow foxtail (<i>Alopecurus pratensis</i>);</p> <p>(e) proper care of the restored green areas should be ensured (until the end of the Defects Notification Period, Guarantee and Warranty Period);</p> <p>(f) tidy up the Contract execution area;</p> <p>(g) the area covered by the works as used by, in particular, machines, means of transport, and areas adjacent to the area of works should be restored to its original state.</p> <p>The measures described in items b, c, d, e (above) should be performed under the supervision of an expert phytosociologist and an expert dendrologist, including, notably:</p> <p>(a) agreement of the exact dates of works;</p> <p>(b) agreement of the composition and quantitative proportions of seed mixtures planned for sowing;</p> <p>(c) agreeing on conditions for soil preparation and seedlings;</p> <p>(d) agreement of the principles of caring for the recreated green areas;</p> <p>(e) submission of the results of the above agreements to the Engineer for approval;</p> <p>(f) 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> <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.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 2nd quarter of 2022 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
61	<p><b>Implementation of replacement planting</b></p> <p>The Contractor shall execute replacement planting.</p> <p>At the stage of proceeding to construction works, the Contractor will determine the quantity and type of planting. Design the replacement planting in the amount of not less than 1,000 trees, including species corresponding with the potential natural vegetation and adapted to local habitat conditions – species of trees and their quantity shall correspond with native species and with quantity of logged trees. Invasive alien species shall not be introduced.</p> <p>Apply at least 3-years old seedlings for the planned planting, with covered root system.</p> <p>The planting shall be protected against biting by deers and hares.</p> <p>The planting shall be done as close to the contract area as possible, on plots owned by the Municipality of Tarnów and/or Commune of Tarnów.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started and finished in the 4th quarter of 2022.</p> <p>No problems were identified with the implementation of the measure.</p>
62	<p><b>Caring for grasslands</b></p> <p>Caring for grasslands in the first growing season after planting consists in:</p> <ul style="list-style-type: none"> <li>fertilising, lawns should be supplied with mineral fertilizers as needed (no more than 3-5 kg of NPK/are/year). Mixtures of fertilizers should be prepared in such a way as to supply the grass with ingredients required in particular seasons: – in spring, the lawn requires a mixture with dominating nitrogen,</li> <li>starting from the half of summertime nitrogen should be reduced while increasing potassium and phosphorus doses,</li> <li>the final fertilisation should not contain nitrogen, but potassium and phosphorus.</li> <li>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,</li> <li>subsequent mowing should take place at such intervals so that the grass does not exceed 15 cm in height,</li> <li>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),</li> <li>after each mowing, cut grass should be removed from all surfaces and harvested hay should be stored outside the construction site,</li> </ul>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 2nd quarter of 2023 and was conducted until the 3rd quarter of 2023.</p> <p>In the period of the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
63	<p><b>The use of building materials in accordance with regulations and standards and harmless to the environment</b></p> <p>Materials delivered and used for construction shall be supervised, and the source of soil material origin shall especially be checked.</p> <p>Only building materials that are not harmful to the environment (natural, environmentally friendly or neutral) should be used for the implementation of the Contract. One should not apply substances, which would be lethal to the occurring animals, except for substances necessary for proper operations of the construction machines.</p> <p>Used materials, raw materials, fuels, fertilizers, cement and concrete mixes shall have relevant attestations and be allowed for use. The applied material cannot contain substances, which may be washed out, and especially substances, which are particularly harmful to the water environment, occurring in a form of soluble compounds.</p> <p>Material applied for the embankment should be made of natural materials, without the use of materials emitting hazardous substances to the ground-water environment.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
64	<p><b>Technical efficiency and inspections of vehicles, machines and equipment</b></p> <p>In order to prevent contamination of soil and water, only modern and fully technically efficient construction and transport equipment should be used to conduct the works.</p> <p>The Contractor should carry out regular inspections of the technical condition of the construction and transport equipment working, review the current condition of vehicles, machines and equipment, and eliminate with any resources available any permeating of contamination to soil and water, including in particular spilling of fuel, hydraulic oils and petroleum substances, both during operating, refuelling, transport, as well as the work of vehicles, machines and equipment.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
65	<p><b>Conditions for the location of the sites for collection and production of building materials</b></p> <p>Building materials, in particular bulk materials, should be collected only on hardened surfaces within the construction site facilities.</p> <p>These materials cannot be collected at a distance of less than 100 m from existing watercourses.</p> <p>Analogous conditions apply to the places of production of building materials (cement mixes, prefabricates, aggregates, etc.).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period from the 1st quarter of 2022 until the 3rd quarter of 2023 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
66	<p><b>Reducing the time and number of drainage and prohibition to dispose of water from excavations directly to watercourses</b></p> <p>The time for carrying out drainage should be reduced to the minimum and such methods should be applied to reduce the amount of pumped water and ensure its protection against contamination.</p> <p>The water pumped out from the excavations cannot be directly disposed to watercourses due to high content of suspension.</p> <p>Before disposing to watercourses, the water should be purified of suspension, through the use of, e.g. sedimentation tanks.</p> <p>Suspensions after treatment should be managed in a manner consistent with their qualifications eliminating the possibility of entering the watercourse or storage in places where flooding or permeating may occur.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (in the Contract implementation period, the conditions for the formation of numerous stagnant and stagnant areas requiring long-term drainage did not arise). Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
67	<p><b>Conditions for movement of vehicles, machines and equipment in the Contract execution area</b></p> <p>Movement of vehicles, machines and equipment should be conducted only:</p> <ul style="list-style-type: none"> <li>(a) within the area of construction site facilities;</li> <li>(b) on existing roads;</li> <li>(c) on service roads and yards;</li> <li>(d) on internal roads (after they have been built).</li> </ul>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
68	<p><b>Parking place for machines and vehicles after finishing work</b></p> <p>Machines and vehicles should be parked, every day after finishing the work, in places intended for parking in the construction site facilities' area.</p> <p>After stay over periods of the vehicles parked during the break in operation, the parking lot should be inspected for the presence of any leak of operational substances prior to the start-up.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
69	<p><b>Sealing of the ground intended for movement of vehicles, machines and equipment at the construction site facilities</b></p> <p>The construction site facilities' area intended for movement of vehicles, machines and equipment should be sealed from the ground using insulating materials to guarantee the soil protection.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
70	<p><b>Prohibition to carry out maintenance activities and repairs of vehicles, machines and equipment outside the construction site facilities' area</b></p> <p>Maintenance of vehicles, machines and equipment (including notably change of oils, liquids, etc.) may be carried out only in designated places on the construction site facilities' area, meeting the conditions specified in item 71 - Designation and sealing of places of garaging and maintenance of vehicles, machines and equipment.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
71	<p><b>Designation and sealing of places of garaging and maintenance of vehicles, machines and equipment</b></p> <p>Places intended for maintenance of vehicles, machines and equipment (including garaging, refuelling and technical service yards, etc.) should be designated and properly marked on the site facilities.</p> <p>The above-mentioned places intended for maintenance of vehicles, machines and equipment should be periodically (until completion of the construction) lined with impermeable insulating materials, protecting the subsoil against penetration of solid or liquid contaminants.</p> <p>When determining the location of the places, safe distance from flowing and standing water courses should be taken into account, in particular.</p> <p>The detailed location of the above places should be agreed in advance with a team of environmental experts (including an expert phytosociologist and an expert zoologist).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
72	<p><b>Ensuring the outflow of water from parking lots and roads to sewage systems</b></p> <p>Parking yards for equipment and access roads should be made with a slope ensuring outflow of rainwater and snowmelt and wastewater to sewage devices or to other receivers in a way that prevents any contamination from entering the ground or surface water.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
73	<p><b>A stand with a sorbent near the service and parking lots for vehicles, machines and equipment</b></p> <p>Site facilities should be provided with sorbents for neutralising the potential failure leak of hazardous substances (including diesel derivatives) from construction machines and equipment and from trucks. In the vicinity of the places intended for servicing vehicles, machines and equipment (including garaging, refuelling and technical service yards, etc.) it is necessary to ensure adequate quantities of sorbent.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
74	<p><b>Guidelines for refuelling vehicles, machines and equipment</b></p> <p>Refuelling of vehicles working for the extension of embankments should be carried out outside the investment area, in places ensuring that the ground and water environment are protected against the possibility of contamination with petroleum substances.</p> <p>If it is necessary to refuel on site, a site with a sealed base, shaped to prevent any spillage from reaching beyond the refuelling site, must be prepared for this purpose. The site must be equipped with sorbents in case of fuel spillage. .</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
75	<p><b>Guidelines for washing and cleaning vehicles, machines and equipment</b></p> <p>It is prohibited to designate places or wash vehicles near watercourses, i.e. at a distance of less than 100 m, water reservoirs, as well as places where water stagnation has formed (conditions specified in item 14 - Conditions for the location of construction site facilities, yards, storage/disposal sites, etc.).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>



Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
76	<b>Prevention of leaks from vehicles, machines and equipment</b> Maintenance of vehicles, machines and equipment used in the <i>Contract execution area</i> (including, in particular, cleaning the equipment after concreting works) are allowed only in designated places on the site facilities, adequately secured against the possibility of contamination of the ground and waters and equipped in such way as to enable the immediate removal of any contamination.	<b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.
77	<b>Proceedings in the case of emission of petroleum derivatives</b> In the event of a failure contaminating the ground, the following measures should be taken: (a) take immediate actions to prevent the spread of contamination, by means of available resources (e.g. sorbents); (b) immediately remove contaminated layers of soil and transfer them to a specialised company having a relevant permit for conducting the activity related to hazardous waste treatment; (c) in case of major failures, use the procedures described in item 100 – Emergency notification rules.	<b>NOT IMPLEMENTED</b> It was not necessary to implement the mitigation measure within the reporting period (no cases of incidents of oil contamination of the ground due to accidents were found during the Contract implementation period). Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.
78	<b>Reducing time of works to daytime</b> Construction works should be carried out in a daytime, i.e. from 6:00 a.m. to 10:00 p.m.	<b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.
79	<b>Reducing noise of vehicles, machines and equipment</b> Within the <i>Contract implementation period</i> only technically efficient vehicles, machines and equipment should 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 removed from the site and replaced with the efficient ones.	<b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.
80	<b>Reducing noise of pump sets</b> 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).	<b>NOT IMPLEMENTED</b> It was not necessary to implement the mitigation measure within the reporting period (within the Contract implementation period, works were mostly conducted outside and near acoustically protected areas). In the sections in close proximity to the above-mentioned areas, no equipment emitting noise nuisance to the surroundings was used; the works were mostly carried out on the side of the embanked area, which provided a natural barrier to the embankment against noise emissions. For the whole construction period, there were no comments from residents in terms of noise nuisance. Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
81	<p><b>Control of noise level in acoustically protected areas</b> 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><b>NOT IMPLEMENTED</b> It was not necessary to implement the mitigation measure within the reporting period (within the Contract implementation period, works were mostly conducted outside and near acoustically protected areas). In the sections in close proximity to the above-mentioned areas, no equipment emitting noise nuisance to the surroundings was used; the works were mostly carried out on the side of the embanked area, which provided a natural barrier to the embankment against noise emissions. For the whole construction period, there were no comments from residents in terms of noise nuisance. Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
82	<p><b>Limiting the power consumption of vehicles, machines and equipment</b> Vehicles, machines and equipment should be used with low power consumption and switch off power/engines during the break in operation. Operating time of vehicles, machines and equipment should be reduced to the necessary minimum.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
83	<p><b>Limiting air pollution with exhaust fumes</b> In order to reduce the negative impact on the condition of the air: (a) 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; (b) a place should be provided for free manoeuvres of vehicles, such as yards; (c) it is necessary to limit the movement of vehicles, machines and devices to the necessary minimum, as well as to limit the speed of traffic on the construction site; (d) it is necessary to minimise the idling time of engines and follow the instructions on shutting down the machines and equipment during breaks in operation; (e) it is necessary to minimise the number of truck deliveries for building materials; (f) unnecessary, excessive concentration of works using heavy construction equipment shall be avoided (g) vehicles should be parked with the engine turned off.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
84	<p><b>Limiting dusting from the construction site</b> When carrying out construction works, the effects of secondary dusting should be limited by maintaining a high work culture, in particular by: (a) regular cleaning of the construction site; (b) applying the necessary technical and organisational measures to limit the emission of dust from the construction site, including storage places for building materials causing dusting; (c) spraying dusty road surfaces within the construction site in dry periods, during deliveries.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
85	<p><b>Keeping the roads clean</b> In order to keep the roads clean and prevent dusting on the roads the following steps should be taken:</p> <p>(a) the Contractor shall apply all available technical means and organise works to minimise the dusting and pollution of access roads to the <i>Contract execution area</i>;</p> <p>(b) the Contractor shall apply protection on trucks delivering bulk materials that may cause dusting in transport or materials emitting gases (tarpaulins, cover sheets, and other types of covers);</p> <p>(c) in places of departure of heavy equipment from the construction site, the Contractor will install stands where initial removal of soil or mud from vehicle wheels will take place;</p> <p>(d) the Contractor shall clean lanes of public roads off of pollutions brought from the construction site due to the traffic of vehicles, machines and equipment related to the implementation of the Contract, in order to prevent secondary dusting by soil brought by wheels of vehicles providing services to the site.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
86	<p><b>Prohibition to burn fires and burn materials, wastes, litter, etc.</b> It is prohibited to burn fires and burn materials, wastes and litter, etc. in the <i>Contract execution area</i>.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
87	<p><b>Preparation of Waste Management Plan (WMP)</b> 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><b>IMPLEMENTED</b> Implementation of the mitigation measure was started and finished in the 3rd quarter of 2021. No problems were identified with the implementation of the measure.</p>
88	<p><b>Waste management principles</b> Waste shall be properly managed:</p> <p>a) minimise the volume of produced waste;</p> <p>b) collect the waste selectively in marked containers, in separate and properly organised places, in conditions protecting against the impact of weather and the access of third parties and animals;</p> <p>c) hand over to units having proper permits – for taking over, transportation, recovery or treatment of waste, respectively.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
89	<p><b>Rules for handling hazardous waste</b> 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><b>NOT IMPLEMENTED</b> It was not necessary to implement the mitigation measure within the reporting period (no hazardous waste was generated in the Contract Implementation Period requiring the measures as described in item 89). Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
90	<p><b>Principles of handling social and domestic sewage</b> 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><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
91	<p><b>Preventing illegal dumping of litter and waste</b> Prior to the commencement of works the Contractor will investigate the <i>Contract execution area</i> 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><b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period. In the period from the 3rd quarter of 2021 until the 3rd quarter of 2022 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
92	<p><b>Development of documents related to safety in the Contract execution area</b> In the <i>Contract execution area</i>, it is necessary to maintain order and ensure proper organisation 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: a) Health and Safety Plan (HASP); b) Construction Site Organisation Plan.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period. In the period from the 3rd quarter of 2021 until the 4th quarter of 2021 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
93	<p><b>Sapper reconnaissance and supervision in the Contract execution area</b> In order to minimise the risk related to the possible occurrence of dangerous objects of military origin in the <i>Contract execution area</i>, the Contractor will ensure: (a) prior to the start of works – reconnaissance at the Contract execution area to verify the presence of unexploded shells and misfires (a report with results of the above-mentioned sapper reconnaissance should be submitted to the Engineer for acceptance); (b) when conducting the works – sapper supervision of works (carried out by the team of sappers), consisting in the regular checking and clearing of the <i>Contract execution area</i> of dangerous objects of military origin along with their disposal; (c) in the case of finding dangerous objects of military origin in the <i>Contract area</i> - implementation of procedures described in item 101 - Rules of procedure for unexploded shells.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
94	<p><b>Documentation and monitoring of the technical condition of buildings exposed to tremor and vibrations</b> Before starting works during which tremors and vibrations threatening the local residents and nearby buildings and infrastructure facilities may occur, the Contractor will take an inventory of existing buildings and facilities, 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><b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period (with a break between the 4th quarter of 2021 and the 3rd quarter of 2022). No problems were identified with the implementation of the measure.</p>
95	<p><b>Implementation of guidelines on work safety requirements</b> The Contractor will ensure the implementation of detailed guidelines on work safety requirements, including in terms of: (a) development of the construction site, including hazardous areas; (b) storage and transport; (c) electrical installations and devices; (d) machines and technical equipment; (e) work at heights; (f) earthworks; (g) selected renovation and demolition works; contained in applicable legal regulations.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
96	<p><b>Ensuring the hygienic conditions</b></p> <p>In the <i>Contract execution area</i>, 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><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
97	<p><b>Limiting the impact of deliveries on the inhabitants</b></p> <p>Transport routes for building materials and equipment should be established to minimise the impact of transport on people – avoiding developed areas. .</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
98	<p><b>Limiting the impact of works on residents</b></p> <p>The implementation time of the entire investment will be limited to minimum.</p> <p>Such organisation of works should be ensured to allow for elimination of the impact of accumulation for the extension of embankment sections on the residents living nearby. The smallest possible number of construction equipment should work near buildings.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
99	<p><b>Rules of procedure in connection with the flood risk</b></p> <p>Works should be performed beyond the flood risk occurrence period.</p> <p>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". The document shall contain e.g. a manual for procedure for the time of the potential occurrence of flood after commencing the works.</p> <p>In case of flood, the Contractor will act in accordance with the procedures described in the above-mentioned document.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
100	<p><b>Guidelines on notifying of emergency</b></p> <p>In the event of emergency situations (other than a flood), accident, major failure, etc., the Contractor is obliged to take the following actions:</p> <ul style="list-style-type: none"> <li>(a) Immediately notify relevant services (Fire Brigade, Ambulance Service, Police, etc.);</li> <li>(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);</li> <li>(c) notify the Engineer and the Employer;</li> <li>(d) after the arrival of the relevant services, act strictly according to their guidelines and instructions.</li> </ul>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 1st quarter of 2023 and was conducted until the 3rd quarter of 2023.</p> <p>No problems were identified with the implementation of the measure.</p>
101	<p><b>Rules of procedure for unexploded shells</b></p> <p>In the case of finding unexploded shells the Contractor shall:</p> <ul style="list-style-type: none"> <li>(a) immediately stop works on the particular site;</li> <li>(b) assure evacuation of the employees from the explosion risk area;</li> <li>(c) immediately notify the sapper supervision team and the Police, and then follow the guidelines obtained from them;</li> <li>(d) notify the Engineer and the Employer.</li> </ul> <p>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><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period</p> <p>(no cases of discovering unexploded shells were identified in the Contract implementation period).</p> <p>Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
102	<p><b>Ensuring the archaeological supervision</b></p> <p>The Contractor is obliged to provide constant archaeological supervision for the time of conducting the earthworks. For this purpose, the Contractor shall:</p> <p>(a) prepare a relevant action plan in this regard;</p> <p>(b) ensure the participation of a team of archaeologists who conduct ongoing supervision of earthworks;</p> <p>(c) if necessary, obtain the Permission required by law to conduct archaeological research from the competent heritage conservation office.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period of the 3rd quarter of 2021 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
103	<p><b>Rules for handling monuments</b></p> <p>During the implementation of the investment, special attention should be paid to the protection of the railway watchtower (Kassali Street) at the railway bridge over the Biała River as an object under conservatory protection, and the remains of the old bridge (abutments) located at Kwiatkowskiego Street in Tarnów should be preserved.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (during the Contract execution period, no interference was made with the objects listed in item 103 - i.e. the railway watchtower (Kassali Street) at the railway bridge over the river and the remains of the old bridge (abutments) located at Kwiatkowskiego Street in Tarnów). Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>
104	<p><b>Procedures in case of discovering movable historical objects or archaeological sites</b></p> <p>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> <p>(a) immediately stop any works that may damage or destroy uncovered objects in a given place;</p> <p>(b) secure (by means of available sources) uncovered objects and the place where they were found against being destroyed, damaged or stolen;</p> <p>(c) immediately notify the team of archaeologists and the Engineer;</p> <p>(d) immediately notify relevant conservatory services;</p> <p>(e) take further security measures, agreed with the team of expert archaeologists and the Engineer;</p> <p>(f) 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;</p> <p>(g) after completing the activities and research listed in items d) and e), the 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 102, letter c) – Providing archaeological supervision)</p> <p>(h) 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 102, letter c) - Providing archaeological supervision).</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (no cases of discovering movable historical objects or archaeological sites were identified in the Contract implementation period). Lack of implementation of the measure did not form a deviation from the conditions determined under the EMP.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
105	<p><b>Training of the Contractor's staff for EMP implementation</b></p> <p>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.</p> <p>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><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
106	<p><b>Appointment of the EMP coordinator in the Contractor's team</b></p> <p>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"> <li>(a) supervising the implementation of individual EMP terms in the subsequent stages of the Contract implementation;</li> <li>(b) ongoing monitoring of the status of implementation of individual terms of Appendix 1 and Appendix 2 to the EMP in the <i>Contract execution area</i>;</li> <li>(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;</li> <li>(d) co-operation with the rest of the Contractor's team (including a team of environmental experts, a team of archaeologists and a team of sapper supervision) in the scope of ensuring the implementation of the EMP;</li> <li>(e) preparation of commentaries and reports (initial, monthly, quarterly, ad-hoc, final report, reports to RDOŚ in Cracow - only to the extent resulting from the decisions obtained at the implementation stage, e.g. derogations, if they result in the need to report the activities in question to the Authorities);</li> <li>(f) cooperation with persons responsible for the implementation of the EMP in the Engineer's and Employer's team.</li> </ul> <p>The Engineer's approval is required for the person appointed to perform the above-mentioned function.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
107	<p><b>Providing a team of environmental experts</b></p> <p>Throughout the whole <i>Contract implementation period</i>, the Contractor shall provide the team of environmental experts, composed of the representatives of the following specialisations:</p> <ul style="list-style-type: none"> <li>(a) botanist-phytosociologist (natural habitats and protected plant species);</li> <li>(b) dendrologist (rules for tree care and protection);</li> <li>(c) zoologist - an expert in the field of invertebrates;</li> <li>(d) zoologist-herpetologist (amphibians and reptiles);</li> <li>(e) zoologist-ornithologist (birds);</li> <li>(f) zoologist-chiropterologist (bats);</li> <li>(g) zoologist-theriologist (non-flying mammals).</li> </ul> <p>Each specialist shall have carried out at least two natural supervisions in their professional carrier.</p> <p>Monthly and quarterly reports shall be prepared on the activities performed by the Environmental Team of the Contractor as part of their environmental supervision.</p> <p>The Environmental Team of the Contractor will be required over the entire duration of the implementation phase to supervise the proper performance of works in the context of their potential adverse impact on protected natural habitats and protected species, the proper place of conducting works for the protected habitats and species, proper implementation of preventive measures to fauna (trapping, relocation) and all other activities in the field of environmental protection.</p> <p>These experts will be involved in the implementation of selected mitigation and monitoring measures identified in the EMP.</p> <p>The Engineer's approval is required for personal composition of the team of environmental experts.</p> <p>One member of the team of environmental experts may combine at most two specialisations listed above in points a-g.</p> <p>Being involved in the work on other OVFMP contracts or on any other projects cannot limit the availability of the experts for this Contract.</p> <p>Before the commencement of works, the Contractor will present for the Engineer's approval the Quality assurance plan in scope of activities of the team of environmental experts.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
108	<p><b>Ensuring the team of expert archaeologists</b></p> <p>For the entire <i>Contract implementation period</i>, the Contractor will ensure the participation of a team of expert archaeologists.</p> <p>These experts will be involved in the implementation of selected mitigation measures specified in the EMP.</p> <p>Depending on the needs, a team of archaeological experts 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 expert archaeologists. Being involved in the work on other OVFMP contracts or on any other projects cannot limit the availability of the experts for this Contract.</p> <p>Before the commencement of works, the Contractor shall present for the Engineer's approval the Quality assurance plan in scope of activities of the team of expert archaeologists.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period of the 3rd quarter of 2021 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>



Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
109	<p><b>Ensuring the team of sapper archaeologists</b></p> <p>For the whole <i>period of Contract performance</i>, the Contractor shall ensure the participation of a team of sapper supervision. This team will be involved in the implementation of selected mitigation measures specified in the EMP.</p> <p>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 OVFM Project contracts or on any other Contracts cannot limit the availability of the experts for this Contract.</p> <p>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><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
110	<p><b>Discussing the EMP implementation during working meetings and at Site Councils</b></p> <p>In the <i>Contract implementation period</i>, 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.</p> <p>Regardless the above, current requirements and problems relating to EMP implementation will be discussed at all Site Councils.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
111	<p><b>Reporting the implementation status of the EMP</b></p> <p>In 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).</p> <p>A template of the above-mentioned report (checklist) will be developed by the Contractor and submitted to the Engineer for approval.</p> <p>Depending on the circumstances, the Engineer may request the Contractor to present additional reports, concerning, among other things, the emergence of emergency situations, implementation of selected items of EMP and others.</p> <p>In addition, the Contractor is obliged to make a kick-off report, quarterly, ad-hoc, final reports and reports to RDOŚ in Cracow - only to the extent resulting from the decisions obtained at the implementation stage, e.g. exceptions, if they result in the need to make the report to the authorities.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
112	<p><b>Cleaning works, restoration of the area to the initial state</b></p> <p>After finishing each constructed section of the extended embankment, areas damaged during construction works should be restored and any temporary site elements should be removed, including site facilities and technical roads and lanes and the area restored to its initial state.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 1st quarter of 2023 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
113	<p><b>Topsoiling, sowing, mowing the grass</b></p> <p>After completing the construction works, all of the earth surface will be topsoiled and sown with grass in accordance with the measures detailed in item 60 - Restoration of topsoil layer and green areas and tidying up the site after completion of works, and in items 61 – Implementation of replacement planting, and 62 - Caring for grasslands.</p> <p>During the performance of works and during the project's operational phase, places sown with grass mixes should be cured of by means of e.g.: twofold mowing of flood embankments during the year, and removal of hard lichens. This measure includes the performance period of construction works, as well as the Defects Notification Period and the Guarantee and Warranty Period.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 2nd quarter of 2022 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
114	<p><b>Management, maintenance, repairs of roads</b> The Contractor is obliged to remove defects/damages to roads constructed under this Contract within the Contract implementation period. During the operating period, roads and technological lanes should be properly maintained/managed through appropriate winter road maintenance in accordance with the existing weather conditions. Gravel/ground roads - unevenness should be levelled, if necessary.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation measure was started in the 3rd quarter of 2023 and was conducted until the 4th quarter of 2023. No problems were identified with the implementation of the measure.</p>
115	<p><b>Obligation to observe ESHS requirements and conditions</b> The Contractor is obliged to apply and observe all ESHS policies' requirements and conditions (i.e. the ones related to environmental, social and health and safety issues) as determined in the Contract documents and in the ESHS Code of Procedure, and in Implementation Plans and in the Environmental, Social and Health and Safety (ESHS) Risk Management Strategy (as developed by the Contractor in accordance with the Construction Works Agreement), and as results from the legislation valid in Poland (including the Labour Code, the Construction Law, and others). The ESHS requirements and conditions determined in reference to the Contractor and its personnel in the above-mentioned 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><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
116	<p><b>Assurance of safety in case of accidents at work</b> 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. 123).</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
117	<p><b>Provision of H&amp;S Expert in the Contractor's team</b> The Contractor is obliged to assure a permanent H&amp;S supervision throughout the Contract implementation period, and the supervisor shall take care for observing the H&amp;S rules determined in the Contract documents and in the binding provisions of national law. Members and qualifications of the H&amp;S supervising team need to be in compliance with Polish provisions of the labour law.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>
118	<p><b>Educational actions related to H&amp;S rules and regulations</b> The H&amp;S Supervising team will conduct training and implement an awareness enhancement programme for the Contractor's staff in reference to the H&amp;S rules and regulations on site. 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 H&amp;S issues in the scope corresponding with the current stage of Contract implementation.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation 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 measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
119	<p><b>Assurance of safety for people in case of sexual harassment and mobbing</b></p> <p>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.</p> <p>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. 123).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
120	<p><b>Educational actions to prevent cases of sexual harassment and/or mobbing</b></p> <p>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><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
121	<p><b>Ensuring the appropriate conditions of work and pay for the personnel</b></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"> <li>– the Contractor will ensure equal treatment in case of pay for the employees performing the same work, without consideration of sex, sexual orientation, and age;</li> <li>– people employed at the Contract will not be harassed due to sex, sexual orientation and age;</li> <li>– the Contractor may employ only such a juvenile employee who is at least 15 years old, has completed at least eight years of primary school and has presented a medical certificate stating that the work of a given type does not threaten his/her health;</li> <li>– the Contractor, in accordance with the possibilities and conditions and the Polish provisions of the Labour Code, satisfies the living and social needs of employees in the workplace;</li> </ul> <p>the Contractor is obliged to facilitate the improvement of professional qualifications of employees.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

Item	Mitigation measures listed under Appendix 1 to the EMP	Implementation status in reporting period
122	<p><b>Educational actions related to the filing of claims referring to the conditions of work and pay</b></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. Contents of the above-mentioned leaflet will be agreed with the Engineer.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>In the period from the 3rd quarter of 2021 until the 4th quarter of 2021 problems were identified with the implementation of the measure, as described in chapter 4.4 of this Report.</p>
123	<p><b>Preparation and implementation of procedures related to the regular provision of information on ESHS issues</b></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"> <li>– exceptional hazards (i.e. emergency and crisis situations discussed in section 5.12 of the EMP);</li> <li>– accidents and near misses;</li> <li>– cases of sexual harassment and mobbing;</li> <li>– claims of the personnel related to the conditions of work and pay.</li> </ul> <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><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>
124	<p><b>Guidelines on HIV – AIDS prevention</b></p> <p>The Contractor shall, via an approved service provider, implement a program to raise awareness of HIV-AIDS type diseases (including appropriate training) and will take all other measures to reduce the risk of HIV spreading 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><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measure.</p>

## Part II. Checklist for implementation of the monitoring measures listed under Appendix 2 to the EMP for Contract 3D.2/2

This part of Appendix no. 1 to the *Final Report on the implementation of the measures listed under the Environmental Management Plan (EMP)* for Contract 3D.2/2 presents a checklist for implementation of monitoring measures listed under Appendix 2 to the EMP within the reporting period.

For the Contract 3D.2/2, the monitoring measures from Appendix 2 of the EMP relate only to the monitoring of implementation of individual 124 mitigation measures under Appendix 1 to the EMP.

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

Item	Monitoring measure according to Appendix 2 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
1.-124.	<p><b>Monitoring of implementation of the mitigation measures in Appendix 1 to the EMP</b></p> <p>Monitoring of the implementation of mitigation measures from items no. 1-124 in Appendix 1 to EMP.</p> <p><i>Detailed guidelines for the implementation of the above-mentioned measure, given in item 1-124 of Appendix 2 of the EMP:</i></p> <p><u>Subject of monitoring</u>                      In accordance with the descriptions given in item 1-124 in Appendix 2 of the EMP.</p> <p><u>Place of monitoring</u>                      In accordance with the descriptions given in item 1-124 in Appendix 2 of the EMP.</p> <p><u>Method of monitoring</u>                      In accordance with the descriptions given in item 1-124 in Appendix 2 of the EMP</p> <p><u>Period and frequency of monitoring</u>                      In accordance with the descriptions given in item 1-124 in Appendix 2 of the EMP</p> <p><u>Monitoring performed by</u>                      In accordance with the descriptions given in item 1-124 in Appendix 2 of the EMP.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of monitoring measures was started in the 3rd quarter of 2021 and was conducted until the end of the reporting period.</p> <p>No problems were identified with the implementation of the measures.</p>

### Part III. Quantitative list of implementation of measures listed under Appendix 1 and Appendix 2 to the EMP for Contract 3D.2/2.

This part of Appendix no. 1 to the *Final Report on the implementation of the measures listed under the Environmental Management Plan (EMP)* for Contract 3D.2/2 presents a quantitative list of implementation of monitoring measures listed under Appendix no. 1 and 2 to the EMP within the reporting period.

Table 3. Quantitative list of implementation of measures listed under Appendix 1 and Appendix 2 to the EMP for Contract 3D.2/2.

Category	Mitigation measures (items nos. 1-124 in Appendix 1 of EMP)		Monitoring measures (items nos. 1-124 in Appendix 2 of EMP)	
	N	Item No.	N	Item No.
The measures implemented in the reporting period	105	items no. 1-11, 13-19, 21-38, 40-43, 45-46, 50-53, 56, 59-65, 67-76, 78-79, 82-88, 90-100, 102, 105-124	124	items no. 1-124
The measures not implemented in the reporting period (no need to implement)	19	items no. 12, 20, 39, 44, 47-49, 54-55, 57-58, 66, 77, 80-81, 89, 101, 103-104	0	–