

## 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 specified in the EMP  
for Contract 2A.2/1

### Odra-Vistula Flood Management Project

Subcomponent	2.A: Active protection
Contract	<b>2A.2/1 – Construction of “Szalejów Górny” – a dry flood control reservoir on Bystrzyca Dusznicka River</b>
Employer / Project Implementation Unit	State Water Holding Polish Waters Regional Water Management Authority in Wrocław
Project Implementation Office (PIO)	Odra-Vistula Flood Management Project Implementation Office
Works Contractor	Power Construction Corporation of China, Limited. No. 22 Chegongzhuang West Road, Haidian District, Beijing 100048, P.R. China  <u>Construction Site Office:</u>  Szalejów Górny 47D 57-314 Szalejów Górny
Contract Engineer	SWECO Polska Sp. z o.o. – Leader 22. Franklina Roosevelta St., 60-829 Poznań SWECO Nederland B.V. – Partner De Bilt, De Holle Bilt 22  <u>Correspondence address:</u>  SWECO Polska sp. z o.o. 61. Armii Krajowej Al. (Building C), 50-541 Wrocław

This document – constituting **Appendix no. 1** to the *Final Report on the implementation of the measures listed under the Environmental Management Plan for Contract 2A.2/1* (reporting period: April 16, 2018 – July 31, 2025), elaborated by the Engineer/Consultant – consists of the following 3 parts:

- Part I. Checklist for implementation of mitigation measures listed under Appendix 1 to the EMP for Contract 2A.2/1
- Part II. Checklist for implementation of monitoring measures listed under Appendix 2 to the EMP for Contract 2A.2/1
- 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 2A.2/1

Explanation for the checklist presented in Part I

The measures listed under Appendix 1 to the EMP for Contract 2A.2/1 are grouped into 23 thematic categories (designated with letters A.-X.):

Cat.	Category Name	Item in the table
A.	Requirements on schedule of works	1-2
B.	Requirements on traffic system of the Task implementation area	3-4
C.	Requirements on locations of site facilities and service roads and yards	5-6
D.	Requirements on the quality and management of soils	7-12
E.	Requirements on handling of topsoil	13
F.	Requirements on felling of trees and bushes	14-19
G.	Requirements on protection of trees and bushes not intended for felling	20-26
H.	Requirements on securing protected natural resources	27-40
I.	Detailed requirements on works in beds of watercourses	41-59
J.	Detailed requirements on works when relocating power lines	60
K.	Detailed requirements for ensuring geological safety	61-62
L.	Requirements on recreation of the site after completion of construction works	63
M.	Requirements on rules for the use of constructed facilities	64-76
N.	Requirements on prevention of environmental pollution	77-100
O.	Requirements on waste management	101-105
P.	Requirements on health and safety protection	106-111
R.	Requirements on extraordinary threats to the environment	112-114
S.	Requirements on conservation of historic monuments	115-117
T.	Measures related to the restoration of natural environment resources	118-124
U.	Implementation of the measures specified in RDOŚ decisions permitting derogations from prohibitions on protection of species of plants and animals	125-126
V.	Requirements on verification of geodetic division used in the EMP	127
W.	Requirements on the Contractor's personnel implementing the EMP	128-134
X.	Requirements on reporting of EMP implementation	135-137

The numbers in the column "*Item on the EMP checklist*" – from 1 to 137 – stand for the numbers of relevant mitigation measures, according to the numbering in Appendix 1 of the EMP.

The following is given for each of mitigation measures:

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

Table 1. Checklist for implementation of the mitigation measures listed under Appendix 1 to the EMP for Contract 2A.2/1.

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
1.	<p><b>EMP conditions on the time 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 work should be taken into account:</p> <ul style="list-style-type: none"> <li>a) dates for notification and site visits of the fishing user (see item 41);</li> <li>b) the permitted dates of works in water channels (see item 44);</li> <li>c) acceptable dates for first passing of water through the tunnel in the reservoir dam (see item 59);</li> <li>d) acceptable hours of works (see item 93);</li> <li>e) dates for removal of the topsoil layer (see item 13 point b);</li> <li>f) acceptable date of felling trees and bushes (see items 14 and 17);</li> <li>g) acceptable dates for grubbing the felled trees and bushes on slopes of watercourse channels (see item 18);</li> <li>h) dates of environmental inspection before felling of trees (see item 17);</li> <li>i) end dates for felling trees and bushes (see item 19);</li> <li>j) dates of environmental supervision inspections before demolition of building structures (see item 31);</li> <li>k) dates of inspections related to ensuring the protection of small animals on the site (see items 33 and 34);</li> <li>l) deadlines for carrying out land reclamation works (see item 63);</li> <li>m) dates of conducting maintenance works in the reservoir bowl (see items 72 and 73);</li> <li>n) permitted time for holding water in the reservoir (see item 65);</li> <li>o) period of holding water in the rubble trap (see item 68);</li> <li>p) dates for mowing of meadows in the reservoir dam (see item 76);</li> <li>r) dates for planting tree- and bush-based vegetation (see items 118, 119, 120);</li> <li>s) dates for hanging nesting boxes and platforms for birds (see items 121, 122, 123);</li> <li>t) dates for hanging nesting boxes and platforms for birds (see item 124);</li> <li>u) expiry dates of RDOŚ decisions authorising derogations from the bans on protection of species of plants and animals (see items 125 and 126);</li> <li>v) dates of reporting the implementation of the EMP (see items 135, 136, 137).</li> </ul>	<p><b>Implementation status for particular elements:</b></p> <p><u>a. dates for notification and site visits of the fishing user</u></p> <p>See: description under item no. 41.</p> <p><u>b. permitted dates of works in water channels</u></p> <p>See: description under item no. 44.</p> <p><u>c. acceptable dates for first passing of water through the tunnel in the reservoir dam</u></p> <p>See: description under item no. 59.</p> <p><u>d. acceptable hours of works</u></p> <p>See: description under item no. 93.</p> <p><u>e. dates for removal of the topsoil layer</u></p> <p>See: description under item no. 13(b)</p> <p><u>f. acceptable dates of felling trees and bushes</u></p> <p>See: description under items no. 14 and 17.</p> <p><u>g. acceptable dates for grubbing the felled trees and bushes on slopes of watercourse channels</u></p> <p>See: description under item no. 18.</p> <p><u>h. dates of environmental inspection before felling of trees</u></p> <p>See: description under item no. 17.</p> <p><u>i. end dates for felling trees and bushes</u></p> <p>See: description under item no. 19.</p> <p><u>j. dates of environmental supervision inspections before demolition of building structures</u></p> <p>See: description under item no. 31.</p> <p><u>k. dates of inspections related to ensuring the protection of small animals on the site</u></p> <p>See: description under items no. 33 and 34.</p> <p><u>l. agreeing on the dates for carrying out land works</u></p> <p>See: description under item no. 63.</p> <p><u>m. dates of conducting maintenance works in the reservoir bowl</u></p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
		<p>See: description under items no. 72 and 73.</p> <p><u>n. permitted time for holding water in the reservoir</u></p> <p>See: description under item no. 65.</p> <p><u>o. period of holding water in the rubble trap</u></p> <p>See: description under item no. 68.</p> <p><u>p. dates for mowing of meadows in the reservoir bowl</u></p> <p>See: description under item no. 76.</p> <p><u>r. dates for planting tree- and bush-based vegetation</u></p> <p>See: description under items no. 118, 119, 120</p> <p><u>s. dates for hanging nesting boxes and platforms for birds</u></p> <p>See: description under items no. 121, 122, 123</p> <p><u>t. dates for hanging boxes for bats</u></p> <p>See: description under item no. 124.</p> <p><u>u. expiry dates of RDOŚ decisions authorising derogations from the bans on protection of species of plants and animals</u></p> <p>See: description under items no. 125 and 126.</p> <p><u>v. dates of reporting the implementation of the EMP</u></p> <p>See: description under items no. 135, 136, 137</p>
2.	<p><b>EMP conditions on 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, including:</p> <ul style="list-style-type: none"> <li>a) conditions for development and furnishing of the site facilities, as well as technological roads and yards (see item 5, and also items 79, 82, 83, 84, 85, 86, 88, 89, 90, 99, 102, 103, 104, 109, 110);</li> <li>b) conditions for the road access to the construction site (see items 3 and 4);</li> <li>c) conditions concerning quality (pollution) tests of land and river sediments (see item 7);</li> <li>d) the condition for removing and securing the topsoil (see item 13);</li> </ul>	<p><b>Implementation status for particular elements:</b></p> <p><u>a. development and furnishing of the site facilities, as well as technological roads and yards</u></p> <p>See: description under items no. 5, 79, 82, 83, 84, 85, 86, 88, 89, 90, 99, 102, 103, 104, 109, 110.</p> <p><u>b. conditions for the road access to the construction site</u></p> <p>See: description under items no. 3 and 4.</p> <p><u>c. conditions concerning quality (pollution) tests of land and river sediments</u></p> <p>See: description under item no. 7.</p> <p><u>d. the condition for removing and securing the topsoil</u></p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>e) the condition for securing trees and bushes unintended for removal (felling) (see item 20);</p> <p>f) conditions for the implementation of environmental inventories (see items 27 and 28);</p> <p>g) the condition concerning the protection of natural habitat boundaries (see item 29);</p> <p>h) the condition concerning the replanting of protected plant specimens (see item 30);</p> <p>i) the condition for securing the building site against the entry of small animals (see item 33);</p> <p>j) the condition for notification and site visits of the fishing user (see item 41);</p> <p>k) conditions for the development of selected documents (see items 8, 63, 101, 106, 112, 116, 118, 119, 120, 121, 122, 123, 124, 130, 131, 132, 133, 135);</p> <p>l) conditions for documentation of technical condition of buildings and infrastructure facilities (see items 3 and 108);</p> <p>m) the condition for explosive ordnance survey of the site (see item 107);</p> <p>n) the condition for inventory of illegal landfills for garbage and waste (see item 105);</p> <p>o) the condition for obtaining the opinion of the conservator of monuments (see item 115);</p> <p>p) the condition for the Engineer's approval obtained for the EMP coordinator and for the composition of the team of environmental experts, the team of archaeological experts, the team of geological experts and the team of sapper supervision (see items 129, 130, 131, 132 and 133).</p> <p>r) the condition for training on the guidelines of the EMP implementation (see item 128).</p>	<p>See: description under item no. 13.</p> <p><u>e. the condition for securing trees and bushes unintended for removal (felling)</u></p> <p>See: description under item no. 20.</p> <p><u>f. conditions for the implementation of environmental inventories</u></p> <p>See: description under items no. 27 and 28.</p> <p><u>g. the condition concerning the protection of natural habitat boundaries</u></p> <p>See: description under item no. 29.</p> <p><u>h. the condition concerning the replanting of protected plant specimens</u></p> <p>See: description under item no. 30.</p> <p><u>i. the condition for securing the building site against the entry of small animals</u></p> <p>See: description under item no. 33.</p> <p><u>j. the condition for notification and site visits of the fishing user</u></p> <p>See: description under item no. 41.</p> <p><u>k. conditions for the development of selected documents</u></p> <p>See: description under items no. 8, 63, 101, 106, 112, 116, 118, 119, 120, 121, 122, 123, 124, 130, 131, 132, 133, 135.</p> <p><u>l. conditions for documentation of technical condition of buildings and infrastructure facilities</u></p> <p>See: description under items no. 3 and 108.</p> <p><u>m. the condition for explosive ordnance survey of the site</u></p> <p>See: description under item no. 107.</p> <p><u>n. the condition for inventory of illegal landfills for garbage and waste</u></p> <p>See: description under item no. 105.</p> <p><u>o. the condition for obtaining the opinion of the conservator of monuments</u></p> <p>See: description under item no. 115.</p> <p><u>p. the condition for the Engineer's approval obtained for the EMP coordinator and for the composition of the team of environmental experts, the team of archaeological experts, the team of geological experts and the team of sapper supervision</u></p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
		<p>See: description under items no. 129, 130, 131, 132, 133.</p> <p><u>r. the condition for training on the guidelines of the EMP implementation</u></p> <p>See: description under item no. 128.</p>
3.	<p><b><i>Conditions of use of access roads to the Task implementation area</i></b></p> <p>The following conditions apply to the use of access roads to the <i>Task implementation area</i>:</p> <ul style="list-style-type: none"> <li>a) Access to the <i>Task implementation area</i> should be determined on the basis of existing roads;</li> <li>b) The Contractor shall ensure proper markings of all access roads to the <i>Task implementation area</i> in accordance with applicable law and as agreed with the relevant Road Authorities. These markings will be monitored regularly, and in the case of damage or theft, the Contractor shall immediately restore or supplement these markings;</li> <li>c) The Contractor shall ensure the protection of people against increased vehicular traffic on roads used during the construction work. During the <i>Task implementation period</i>, the Contractor shall supply, install and operate all temporary safety devices, ensuring the safety of vehicles and pedestrians;</li> <li>d) Paved surfaces (e.g. access roads) used for vehicle transportation of aggregate and building materials should be maintained in good technical condition;</li> <li>e) The Contractor shall apply to statutory restrictions for the axle load at the transport of materials to and from the <i>Task implementation area</i>. The Contractor shall obtain all necessary permits for the transport of atypical loads and continuously notify the Engineer of any such carriage;</li> <li>f) The Contractor shall be responsible for all damage to buildings and structures, roads, drainage ditches, culverts, water and gas pipes, poles and power lines, cables, points of geodetic control network and installation of any kind, and objects of another kind as horizontal and vertical marking, navigation marking, signage, cultural objects, etc., caused by him or his Subcontractors within the <i>Task implementation period</i>. 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.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 3rd quarter of 2018 and was continued for the entire period of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>The Contractor shall immediately repair, at its own expense, all damages arisen and – when necessary – shall carry out other works ordered by the Engineer;</p> <p>g) The Contractor is required to prepare the photographic documentation of the whole <i>Task implementation area</i> and access roads, with particular emphasis on the technical condition of the roads and buildings located near the roads for transport of construction materials;</p> <p>h) Before commencing the works, the Contractor will carry out local site inspections in the presence of the Road Administrators, which will result in drawing up protocols on the condition of access roads to the <i>Task implementation area</i>. On this basis, the Contractor shall be obliged to reconstruct the technical condition of the roads prior to the <i>Task implementation period</i>;</p> <p>i) The Contractor is obliged to agree with the Road Administrators of the traffic arrangement and works security plan. The Contractor is obliged to carry out the traffic organisation according to the agreed designs (marking and securing the <i>Task implementation area</i> and marking detours and recommended road marking connected with a change of traffic organization, etc.);</p> <p>j) Prior to the commencement of works, the Contractor shall submit to the Engineer for approval the traffic organisation plan and works protection plan as agreed upon with Road Administrators and traffic authorities as well as the traffic management schedule. Depending on the needs and progress of works, the traffic organisation plans shall be updated by the Contractor on a regular basis.</p>	
4.	<p><b>Additional conditions for access roads to the Task implementation area</b></p> <p>Transport of materials and traffic of vehicles, machines and devices supporting the construction process should be carried out, in the first place, on existing public roads, forest roads or dirt roads.</p> <p>If it is necessary to execute an additional access road to the <i>Task implementation area</i>, it should be designated in the form of as short a section as possible and outside environmental habitats referred to in item 29.</p> <p>A temporary course of slabs or wooden boards is to be laid on the course of the above-mentioned access road, which is to be removed on completion of the works (see also item 63 p. 1).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 3rd quarter of 2018 and was continued for the entire period of execution of works.</p>



Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
5.	<p><b><i>Obligation to build construction site facilities, technological roads and yards</i></b></p> <p>Before starting the construction works, it is necessary to build construction site facilities, technological roads and yards.</p> <p>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 of site facilities should meet, among others, the conditions specified in items 79, 82, 83, 84, 85, 86, 88, 89, 90, 99, 102, 103, 104, 109, 110.</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 AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 1st quarter of 2019 and was continued for the entire period of execution of works.</p>
6.	<p><b><i>Conditions for locations of site facilities and technological roads and yards</i></b></p> <p>The construction site facilities and technological roads and yards should be located:</p> <ul style="list-style-type: none"> <li>a) outside areas covered by tall greenery (trees, bushes), which are to be left in accordance with the design documentation,</li> <li>b) outside the area of identified natural habitats (see also item 29) and outside the area of habitats and places of occurrence of protected species intended to be preserved in the construction design;</li> <li>c) beyond the reach of the flood waters;</li> <li>d) beyond the protective zone of groundwater in-takes;</li> <li>e) in the areas ensuring no impact of noise on acoustically protected areas;</li> <li>f) at a distance of not less than 100 m from existing water courses, reservoirs and wetland sites (applies to construction site facilities);</li> <li>g) on plot no. 804/8 (adjacent to plots 770 and 840/7), Szalejów Górny precinct.</li> </ul> <p>Designed locations of site facilities as well as technological roads and yards should be agreed with a team of environmental experts, referred to in item 130 (including i.a. a phytosociologist expert) and submitted, together with the above arrangements, to the Engineer for approval.</p> <p>Note!</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 4th quarter of 2018 and was continued for the entire period of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	Before commencing the implementation of this measure, one shall identify the current location of the boundaries of the areas described using numbers of register plots (see clause e), according to the conditions defined in item 127.	
7.	<p><b>Quality tests (state of pollution) of land on the Task implementation area</b></p> <p>Prior to the commencement of earthworks, it is necessary to perform quality tests (state of pollution) of land on the <i>Task implementation area</i> (including earth mass outside the riverbeds of watercourses and sedimentation in riverbeds of watercourses), planned for:</p> <ul style="list-style-type: none"> <li>a) management within the boundaries of the construction site (including use for construction purposes) or</li> <li>b) removal outside the boundaries of the construction site.</li> </ul> <p>The purpose of the tests is to:</p> <ul style="list-style-type: none"> <li>a) determine the possibilities of these land use within the boundaries of the construction site, in accordance with applicable regulations, and</li> <li>b) establish an acceptable method of dealing with the land not usable within the construction site boundaries.</li> </ul> <p>The tests should be performed in accordance with current regulations, including the <i>Waste Act</i>, <i>Environmental Protection Law</i> and implementing acts to the above laws.</p> <p>The tests should be carried out by an accredited laboratory, approved by the Engineer.</p> <p>Before starting the tests, the Contractor shall submit the methodology of planned examination to the Engineer for approval.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 1st quarter of 2019 and was finished in 2nd quarter of 2019.</p>
8.	<p><b>Management of soils coming from the construction site</b></p> <p>Soils located on the construction site (including the earth mass outside the watercourse riverbeds and the sediments of watercourse riverbeds) should be used at the construction site in the first place. The remaining excess land should be used in accordance with the applicable regulations and the design documentation (see also: item no. 12). The procedure for the waste land should be presented in the <i>Plan of waste management</i>, developed by the Contractor and submitted to the Engineer for approval before the commencement of works (according to item 101).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 1st quarter of 2019 and was continued for the entire period of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
9.	<p><b>Requirements concerning soils or aggregates from outside of the construction site</b></p> <p>Soils (including the earth masses) and aggregates used for construction works, and coming from outside the construction site, shall meet the requirements for soil quality standards and earth quality standards (in accordance with the Environmental Protection Law and its implementing acts), as well as in all other applicable regulations and standards (including the conditions of item 77 of appendix 1 of the EMP).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2019 and was continued for the entire period of execution of works.</p>
10.	<p><b>Requirements concerning excavation of earth masses from the Task implementation area</b></p> <p>The amount of earth mass collected should be limited to that necessary for the construction of the dam and associated structures, with the following order of material collection:</p> <ul style="list-style-type: none"> <li>a) first use the soil excavated during the construction of the rubble trap;;</li> <li>b) then use the earth material in the area closer to the dam in the reservoir bowl (after clearing the bowl of trees in an area with a probability of flooding of <math>Q_p=10\%</math>);</li> <li>c) when this is not sufficient for the construction of the dam, use the remaining land, preferably previously used for agriculture, without trees and bushes.</li> </ul> <p>The detailed locations of earth mass extraction places from the <i>Task implementation area</i> should be agreed with a team of environmental experts, referred to in item 130 (including i.a. a phytosociologist expert) and submitted, together with the above arrangements, to the Engineer for approval.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2019 and was continued for the entire period of execution of works.</p>
11.	<p><b>Requirements concerning protection of flowing waters after excavation of earth masses from the Task implementation area</b></p> <p>Earth masses shall be collected at a distance of not less than 50 m from the river (this condition does not apply to the rubble trap and the dam excavation), using water-side protection (fences, band ditches, etc.).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2019 and was continued for the entire period of execution of works.</p>
12.	<p><b>Management of unused soil masses</b></p> <p>The soil masses not incorporated into the dam and other structures (e.g. roads) should be used to grade the site, including the area from which the soil masses were extracted (except for the rubble trap and other areas provided to be left in the design documentation). [see also item 63 p. 2]</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2019 and was continued for the entire period of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
13.	<p><b>Removal, storage, and use of topsoil</b></p> <p>In order to protect topsoil in <i>the Task implementation area</i>:</p> <ul style="list-style-type: none"> <li>a) remove at least 0.2 m of fertile soil (referred to as topsoil) prior to commencement of any construction works in individual parts of the <i>Task implementation area</i> (this condition applies to all locations in the Task implementation area where the existing topsoil layer could become degraded in relation to works, movement, and maintenance of machinery and devices, storage of materials etc.);</li> <li>b) works connected with topsoil removal should be performed in the period between the beginning of September and the end of February;</li> <li>c) the removed topsoil should be stored in heaps not wider than 3 m and not higher than 1.5 m;</li> <li>d) the removed topsoil should be stored within the boundaries of the <i>Task implementation area</i> (optimum - within the area of site facilities). The detailed location of topsoil heaps should be agreed in advance with the team of environmental experts referred to in item 130 (including a phytosociologist expert) so that storage of topsoil does not result in degradation of natural habitats and natural conservation sites for protected species and does not have a negative impact on health of trees and bushes (see the condition in item 21);</li> <li>e) stored topsoil heaps should be protected from contamination, running over, thickening, storage of building materials, etc.;</li> <li>f) stored topsoil heaps should be regularly sprinkled with water depending on the weather (never allow the heaps to become dry for over 5 days) and protected against freezing (e.g. using straw mats for this purpose);</li> <li>g) after completion of construction works, stored topsoil should be used to restore the layer of fertile soil as per the conditions specified in item 63 of the table.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>Implementation of the measure was started in the 1st quarter of 2019 and was continued until the end of execution of works.</p> <p>Problems occurred with the implementation of the measure in the period of the 4th quarter of 2021. One of the topsoil piles was found to be briefly covered with the construction material. The Contractor took steps to clean up the construction material from the topsoil pile. The default had no actual impact on the environment.</p>
14.	<p><b>Acceptable date of felling trees and bushes</b></p> <p>The felling of trees and bushes should only be performed in the period from September 1st to February 28th.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 4th quarter of 2018 and was continued until the end of 2019.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
15.	<p><b>Acceptable places of felling trees and bushes</b></p> <p>Trees and bushes removal should be conducted only in the zone of probability of flooding of <math>Q_p=10\%</math> and under the structures planned for construction (i.a. dam, new channels, bank revetments, infrastructure).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 4th quarter of 2018 and was continued until the end of 2019.</p>
16.	<p><b>Environmental supervision in determining trees for felling</b></p> <p>Determination of trees for felling in the <i>Task implementation area</i> should be carried out under the supervision of the phytosociologist expert (referred to in item 130) in order to preserve as much of individual patches of natural habitats as possible.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 4th quarter of 2018 and was continued until the end of 2019.</p>
17.	<p><b>Environmental supervision prior to and during clearance of trees of circumference at breast height above 40 cm</b></p> <p>In the case of removing trees with diameter of over 40 cm at breast height, the following rules apply:</p> <ul style="list-style-type: none"> <li>a) clearance of trees of circumference at breast height above 40 cm should be preceded by an inspection of the trees for the presence of protected bats and invertebrates carried out by an entomologist expert and chiropterologist expert (referred to in item 130), not longer than 1 week prior to removal of a given tree;</li> <li>b) in case of identifying the occurrence of protected species of invertebrates and/or bats in trees to be 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.</li> </ul> <p>Felling dates agreed with the above-mentioned experts should not violate the conditions specified in item 14 (for trees in which the presence of bats was found, the optimum felling period is from September 1st to October 31st);</p> <ul style="list-style-type: none"> <li>c) trees of circumference at breast height above 40 cm will be felled under direct supervision of the above-mentioned entomologist expert and chiropterologist expert;</li> <li>d) should any presence of individuals of protected invertebrate and/or bat species be confirmed in trees subject to felling, the above-mentioned experts shall specify procedures for handling wood inhabited by the protected animal species and procedures to limit mortality rate of any found individuals of protected animal;</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 4th quarter of 2018 and was continued until the end of 2019.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>e) transfer of specimens of protected species of invertebrates and/or bats in trees planned to be felled and/or in trees to be felled may be done under a direct supervision of the above-mentioned entomologist expert and chiropterologist expert only;</p> <p>f) should any presence of protected invertebrate and/or bat species be confirmed in trees to be felled and/or in trees being felled, obtain a legally required administrative decision for derogation from prohibitions regarding protected animal species (if required in each case).</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in items 136 and 137.</p> <p>[see also item 126 p. 6]</p>	
18.	<p><b><i>Acceptable date and conditions for grubbing of roots of the felled trees and bushes on slopes of the river channel</i></b></p> <p>The grubbing of roots of the felled trees and bushes growing on slopes of the river channel should take place in September.</p> <p>If reasonably necessary, the deadline for carrying out such works may be extended until the end of February.</p> <p>The above-mentioned works should be carried out under the supervision of an ichthyologist expert (referred to in item 130).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 4th quarter of 2018 and was continued until the end of 2019.</p>
19.	<p><b><i>Completion date for felling of trees and bushes</i></b></p> <p>All works related to felling of trees and bushes in the <i>Task implementation area</i> (including extraction of stumps and removal of wood) should be completed within the first 12 months following commencement of the Part of Contract involving implementation of the Task (within periods referred to in items 14 and 18).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 4th quarter of 2018 and was continued until the end of 2019.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
20.	<p><b>Protection of stumps of trees not intended for felling</b></p> <p>Prior to commencement of any construction works, the trunks of the trees exposed to mechanical damage should be protected with wooden boards to a height of 2-3 m from the ground level (bottom of the boards is to be based on the substrate).</p> <p>Between the boards and the surface of the tree trunk, place the flexible material (e.g. thick straw mats), protecting the trunk against abrasion by boards.</p> <p>Boards must be attached to the trunk (e.g. with the bands of wire or steel tape), in a manner that does not damage the tree.</p> <p>In the <i>Task implementation period</i>, the condition of protection of tree trunks exposed to damage should be controlled on regular basis and the protections should be kept in proper condition.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 2nd quarter of 2019 and was continued until the end of execution of works.</p>
21.	<p><b>Protection of areas below tree and bush crowns</b></p> <p>Construction works should be carried out in a way that does not harm trees and bushes that have not been intended for felling.</p> <p>The following are forbidden within 1 meter from the projection of tree or bush crown not intended for felling:</p> <ul style="list-style-type: none"> <li>a) designate roads and technological yards, parking places and other elements that may increase compaction and change soil aeration;</li> <li>b) vehicles, machinery and devices traffic, stopping, and parking;</li> <li>c) storage of earth masses (including topsoil) and building materials (in particular bulk materials);</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 2nd quarter of 2019 and was continued until the end of execution of works.</p>
22.	<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 a dendrologist expert (referred to in item 130) – cannot disturb the natural habit of the trees (they cannot cover more than 1/3 of the green mass of trees), maintaining stability and statics of trees (range of cuts must be uniform at each side of the crown).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 3rd quarter of 2019 and was continued until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
23.	<p><b>Maintaining the ground level in the direct vicinity of trees</b></p> <p>When performing earthworks in the immediate vicinity of trees, the works shall be done in a way not to change the ground level within a radius of at least 1.5-2.0 m from the trunk.</p> <p>Any difference in the ground level created further away from the trunk to be secured with a local retaining wall or a reinforced slope with a larger downfall.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2019 and was continued until the end of execution of works.</p>
24.	<p><b>Works within tree and bush root mass</b></p> <p>Works in the vicinity of root mass of trees and bushes should only be carried out manually, subject to the following conditions:</p> <ul style="list-style-type: none"> <li>a) skeletal roots (with a diameter of over 4 cm) should not be cut off;</li> <li>b) excavations should be carried out no closer than 2 m from the trunk;</li> <li>c) minimise the time of exposure of roots to drying (under the conditions referred to in item 25).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2019 and was continued until the end of execution of works.</p>
25.	<p><b>Securing of exposed roots of trees and bushes</b></p> <p>Exposed roots of trees and bushes should be covered, for example with straw or jute mats.</p> <p>At positive temperatures, these mats should be abundantly moistened with water (to prevent drying of the roots), while at negative temperatures these mats should be dry (to avoid freezing of the roots).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 3rd quarter of 2019 and was continued until the end of execution of works.</p>
26.	<p><b>Securing of damaged trees and bushes</b></p> <p>In case aboveground parts of trees and bushes 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>In case of root damage, the damaged ends should be trimmed off and the roots secured with a fungicide.</p> <p>The above-mentioned actions should be performed in agreement with a team of environmental experts (referred to in item 130), and after they are performed, an opinion of the above team as regards correctness of the actions should be presented to the Engineer for acceptance.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was executed in the 3rd quarter of 2019 and was continued until the end of execution of works.</p>



Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
27.	<p><b><i>One-time environmental inventory within the works area before works commencement</i></b></p> <p>Before the works begin, a one-time environmental inventory within the <i>Task implementation area</i> shall be carried out (at least within the boundaries of the area of total and partial tree felling, according to the design documentation, and in other areas possibly planned to be occupied for the purposes of construction implementation), executed by a team of environmental experts, referred to in item 130.</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 <i>Environmental Impact Report</i> drawn up in 2014 (together with later updates).</p> <p>In the case of detecting natural habitats, habitats or sites of protected fauna and flora species within the <i>Task implementation area</i> the following actions should be executed:</p> <ul style="list-style-type: none"> <li>a) in the case of environmental habitats – further actions should be agreed with a competent environmental team’s expert (discussed under item 130), and the results of the findings should be submitted to the Engineer for approval;</li> <li>b) in case of habitats or sites of protected species – execute actions referred to in item 40.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was executed in the 4th quarter of 2018.</p>
28.	<p><b><i>Inspection of Task implementation area for the presence of otter and beaver shelters</i></b></p> <p>Before the commencement of works, the reconnaissance of the <i>Task implementation area</i> should be made in terms of the presence of otter and beaver shelters (including burrows) (discussed under item 130).</p> <p>If shelters (including burrows) of the above animal species are found in use during the <i>Task implementation period</i>, the following should be done:</p> <ul style="list-style-type: none"> <li>a) mark and protect identified shelters of the above animal species in a manner agreed with the above-mentioned theriologist expert (results of agreements to be submitted to the Engineer for approval);</li> <li>b) the manner of conducting further works in the vicinity of the identified shelters of the above-mentioned animal species be agreed with the above-mentioned theriologist expert (results of the agreement to be submitted to the Engineer for approval).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 4th quarter of 2018 and was continued until the end of 2022.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
29.	<p><b>Marking the boundaries of the patches containing natural habitats</b></p> <p>Before the works begin, boundaries of patches containing natural habitats to be left intact, located at the <i>Task implementation area</i> and within its near vicinity (according to the information contained in the <i>Environmental Impact Report</i> and results of the one-time environmental stock-taking referred to in item 27) should be set down and marked on site (in the manner visible to the works contractors) under the supervision of a phytosociologist expert referred to in item 130, including in particular:</p> <ul style="list-style-type: none"> <li>a) *91E0 – willow-poplar-alder-ash forests (<i>Salicetum albo-fragilis</i>, <i>Populetum albae</i>, <i>Alnenion glutinoso-incanae</i>) and large bittercress,</li> <li>b) *9180 – javorins and maple-lime forests on slopes (<i>Tilio platyphyllis-Acerion pseudoplatani</i>),</li> <li>c) 9170 – Central-European and subcontinental oak-hornbeam forests (<i>Galio-Carpinetum</i>, <i>Tilio-Carpinetum</i>).</li> </ul> <p>Within the above-mentioned patches of natural habitats, site facilities, technological roads or yards cannot be located and materials cannot be stored there (see also item 6). Within the <i>Task implementation period</i>, these patches shall be effectively secured against destruction, damage, contamination, traffic of vehicles, machinery and devices, and free access of persons in connection with the works (e.g. by establishing marked fences).</p> <p>Throughout the whole <i>Task implementation period</i>, the condition of the protective measures of the patches containing the habitats should be inspected on a regular basis (at least once a month) and possible damages should be removed. These inspections should be carried out with the participation of the above-mentioned phytosociologist expert.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>Implementation of the measure was started in the 1st quarter of 2019 and was continued until the end of execution of works. Problems occurred with the implementation of the measure in the period of the 1st and 4th quarter of 2019 and in the 4th quarter of 2020. The irregularities identified during the above period concerned the lack of marking or damage to the protection of nature habitats.</p> <p>The above defaults were remedied by the Contractor and had no actual impact on the environment.</p>
30.	<p><b>Replanting of specimens of 5 protected plant species listed in the decision of RDOŚ in Wrocław of 08/26/2016.</b></p> <p>Before starting works in the areas listed below:</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2018 and was finished in the 2nd quarter of 2019.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>➤ in the valley of the Bystrzyca Dusznicka (river kilometre from km 8+300 to km 12+500), in the area between the towns of Szalejów Górny, Szalejów Dolny [to the north and west], Siemków [to the east] and the ridge line separating Szalejów Górny and Szalejów Dolny from Stary Wielisław [to the south], the following 5 protected plant species specimens should be replanted in habitat-appropriate locations and out of reach of the works:</p> <p>a) Martagon Lily <i>Lilium martagon</i> – up to 50% of the 30 specimens growing on 1 site in the areas mentioned above, in areas exposed to damage as a result of the Task implementation;</p> <p>b) Oxlip Primula <i>Primula elatior</i> – up to 50% of the 100 specimens growing on 5 sites in the areas mentioned above, in areas exposed to damage as a result of the Task implementation;</p> <p>c) Common Snowdrop <i>Galanthus nivalis</i> – up to 50% of the 1500 specimens growing on 5 sites in the areas mentioned above, in areas exposed to damage as a result of the Task implementation;</p> <p>d) Wild Garlic <i>Allium ursinum</i> – up to 50% of the 2000 specimens growing on 6 sites in the areas mentioned above, in areas exposed to damage as a result of the Task implementation;</p> <p>e) Autumn Crocus <i>Colchicum autumnale</i> – up to 50% of the 200 specimens growing on 6 sites in the areas mentioned above, in areas exposed to damage as a result of the Task implementation;</p> <p>The above-mentioned plant species shall be replanted no later than December 31, 2020.</p> <p>In the period not longer than 30 days from the <i>Commencement Date</i>, the Contractor shall submit for the approval of the Engineer a <i>Quality Assurance Plan</i> for replanting specimens of 5 protected plant species listed above, agreed with a phytosociologist expert (referred to in item 130) and including, in particular, a planned timetable for the implementation of the above-mentioned activities and a list of the planned places for replanting the plants.</p> <p>The replanting of the above-mentioned specimens of the 5 protected plant species should be carried out under the supervision of the above-mentioned phytosociologist expert.</p> <p>Information on the scope of implementation of the above-mentioned conditions should be submitted as per the conditions defined in item 137.</p> <p>[see also: item 125]</p>	

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
31.	<p><b><i>Environmental supervision inspections before and during demolition of building structures</i></b></p> <p>The following rules apply to the demolition of building structures:</p> <ul style="list-style-type: none"> <li>a) demolition of building structures shall be preceded by an inspection of these structures for the presence of protected bats, carried out by a chiropterologist expert (referred to in item 130), not longer than 1 week prior to removal of a given structure;</li> <li>b) in case of identifying the occurrence of protected species of bats in the structures planned to be demolished, the above-mentioned expert shall indicate acceptable time and methods for performing the demolition, ensure the protection of the identified bats;</li> <li>c) demolition of building structures shall be performed under direct supervision of the above-mentioned chiropterologist expert;</li> <li>d) in case individuals of protected species of bats are found in the structures subject to demolition, the above-mentioned expert shall determine the procedures to limit mortality rate of any found protected animal specimen;</li> <li>e) should any presence of protected bat species be confirmed in structures planned to be demolished and/or in structures subject to demolition, obtain a legally required administrative decision for derogation from prohibitions regarding protected animal species (if required in each case).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>Implementation of the measure was executed in the 3rd quarter of 2019 and was continued until the 4th quarter of 2020.</p>
32.	<p><b><i>Limiting the Task implementation time</i></b></p> <p>The Contractor is obliged to organise the works in a way that would help reduce the <i>Task implementation time</i> to the minimum and limit the negative impact of works on the animals living within the <i>Task implementation area</i> and in its surrounding.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>Implementation of the measure was started in the 4th quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
33.	<p><b><i>Securing the Task implementation area against small animals entering the site</i></b></p> <p>Works should be performed in such a way as to avoid killing animals.</p> <p>The <i>Task implementation area</i>, in particular places where works are currently performed, all site facilities, storage yards etc., should be secured against access of small animals (amphibians, reptiles, small mammals), by fencing off these areas with a metal fence with eyes no larger than 0.5 x 0.5 cm and with a height of not less than 0.6 m above the ground surface. The fence should be buried in ground to the depth of not less than 30 cm.</p> <p>The mesh should be fitted with a so-called overhang, i.e. a bend (minimum 5 cm) of the material in the upper part outwards (i.e. towards the surrounding area), at an angle of 45-90°.</p> <p>Determining the precise location of the fencing securing the <i>Task implementation area</i> against small animals entering the site and installation of the above-mentioned fencing should be carried out under the supervision of an herpetologist expert and an theriologist expert (referred to in item 130).</p> <p>Throughout the entire <i>Task implementation period</i>, the condition of the above-mentioned fencing should be inspected on regular basis and any possible gaps should be immediately removed, including:</p> <ul style="list-style-type: none"> <li>a) from March the 1st to August the 31st these inspections should be carried out at least once every 3 days;</li> <li>b) from September the 1st to the end of February – not less than once every 10 days.</li> </ul> <p>Fencing inspections should be carried out with the participation of the above-mentioned experts.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 2nd quarter of 2019 until the end of execution of works.</p> <p>Problems occurred with the implementation of the measure in the period of the 3rd and 4th quarter of 2019 and in the 1st quarter of 2022. At the dates indicated, damage to the mesh protecting the construction site from the encroachment of small animals was found. The Engineer requested the Contractor to rectify the default identified. The Contractor implemented a corrective action.</p> <p>The above default had no actual impact on the environment.</p>
34.	<p><b><i>Inspection of places that could be traps for small animals</i></b></p> <p>Every day in the morning inspect excavations and other places that can be traps for animals: amphibians, reptiles, small mammals.</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>Trapped animals should be collected and released outside the <i>Task implementation area</i>, to the place appropriate for a given species.</p> <p>The last inspection for the presence of animals in the excavations should be carried out immediately before backfilling the excavations.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started in the 2nd quarter of 2019 and was continued until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>Inspections should be carried out under the guidance and in accordance with the guidelines of an herpetologist expert and theriologist expert (referred to in item 130), 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 herpetologist expert and theriologist expert.</p>	
35.	<p><b><i>Ongoing liquidation of marginal water deposits in the Task implementation area</i></b></p> <p>During the <i>Task implementation period</i>, it is necessary to permanently eliminate marginal water deposits in places which may interfere with ongoing or scheduled works as well as in places where ongoing or scheduled traffic of vehicles, machines and equipment is to be run.</p> <p>This measure aims to prevent the settlement of protected amphibian species in the <i>Task implementation area</i> during the performance of works. This measure should be conducted in consultation with an herpetologist expert (referred to in item 130) who will also supervise if it is implemented correctly.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>Implementation of the measure was started in the 2nd quarter of 2019 and was continued until the end of execution of works.</p>
36.	<p><b><i>Ensuring the possibility of safe migration of amphibians</i></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 <i>Task implementation area</i>.</p> <p>Detailed rules for meeting this condition should be agreed with an herpetologist expert (as referred to in item no. 130), who will also supervise if it is implemented correctly.</p> <p>The above-mentioned agreement with an herpetologist expert should be submitted to the Engineer for approval.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started in the 2nd quarter of 2019 and was continued until the end of execution of works.</p>
37.	<p><b><i>Catching and transfer of small animals from the Task implementation area</i></b></p> <p>If small animals (fish and lampreys, amphibians, reptiles, small non-flying mammals, bats) are reported to inhabit the <i>Task implementation area</i>, in places where works may pose a threat to their life or health, they should be trapped and relocated from the <i>Task implementation area</i> to the appropriate habitats, located outside the impact of the works.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 2nd quarter of 2019 until the end of execution of works.</p> <p>Problems occurred with the implementation of the measure in the period of the 2nd quarter of 2022.</p> <p>Amphibians were found to be present on the Construction Site at the above date. The Engineer provided his comments to the Contractor and recommended amphibian</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>These actions should be performed under the supervision of a competent environmental expert (ichthyologist, herpetologist, theriologist and/or chiropterologist, as referred to in item 130).</p> <p>Information on the implementation of this measure in respect of works performed in the areas referred to in item 126 (insofar as it relates to the species referred to in items 126 p. 1 to 4 and 6) shall be provided in accordance with the conditions of item 137.</p> <p>[see also item 34, 40 and 126]</p>	<p>trapping by an herpetologist expert. The Contractor's expert trapped the amphibian specimens and relocated them to a habitat-appropriate location outside of the impact range of the works.</p> <p>The above default had no actual impact on the environment.</p>
38.	<p><b><i>Fighting alien invasive plant species</i></b></p> <p>When conducting the works, alien invasive plant species should be removed (at least twice a year, in the entire <i>Task implementation area</i>), until they disappear and are replaced with local plants.</p> <p>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 above actions should be carried out in accordance with detailed instructions specified by a phytosociologist expert (as referred to in item 130).</p>	<p><b>IMPLEMENTED</b></p> <p>The measure was implemented from the 2nd quarter of 2019 and was continued until the end of the Defects Notification Period.</p> <p>The Engineer requested the Contractor in the third quarter of 2020 and the fourth quarter of 2023 to implement a measure to remove the invasive plants present on the Construction Site. The measure will be continued by the Investor.</p>
39.	<p><b><i>Regular inspections of the team of environmental experts within the Task implementation period</i></b></p> <p>The works and other works performed during the <i>Task implementation period</i> should be carried out under current supervision of the team of environmental experts (referred to in item 130).</p> <p>These experts should, in particular, carry out regular inspections of the entire <i>Task implementation area</i> (at least once a month) and continuously submit their comments and recommendations to the Contractor's staff responsible for carrying out works in accordance with the EMP conditions.</p> <p>Written memos should be drawn up from the inspections, attached to monthly reports on the implementation of the conditions of the EMP (referred to in item 135).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
40.	<p><b>Obtaining a decision authorizing derogations from the rules on the protection of species of plants, fungi and animals</b></p> <p>If, prior to the commencement or during the performance of construction works in the <i>Task implementation area</i>, the presence of habitats or sites of protected species of flora and fauna is reported (other than the sites referred to in item 125 and 126), then:</p> <p>a) The Contractor shall obtain and submit to the Engineer for approval a written opinion of the team of environmental experts (referred to in item 130), 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),</li> </ul> <p>and then, if it proves necessary in the light of the above opinion, will perform the activities referred to in points b-d (below);</p> <p>b) before taking any actions, which may lead to destruction of habitats and sites or frightening of individuals of protected species (according to the opinion referred to in point a), the Contractor is obliged to obtain administrative decisions required by law allowing for exceptions from the prohibitions applicable to protected plant, fungi and animal species;</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>[see also items 27 and 28]</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
41.	<p><b>Rules of cooperation with the fishing user of the watercourses in the Task implementation area</b></p> <p>The Contractor is obliged to co-operate with the fishing user of the watercourses in the <i>Task implementation area</i> (Polish Angling Association, Wałbrzych District), in the following scope:</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>



Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>a) The Contractor will inform the fishing user (Polish Angling Association, Wałbrzych Branch) 3 months in advance about the date of commencement of works in the watercourse beds;</p> <p>b) within the deadline indicated in point a (above), the Contractor will conduct a site inspection in the <i>Task implementation area</i> with the participation of a field representative of PZW Wałbrzych District, during which the planned scope of preparatory works and the planned scope of the main construction works connected with the execution of the Task will be presented;</p> <p>c) the ichthyologist expert supervising the works on behalf of the Contractor (see items 42 and 130) will cooperate with the ichthyologist employed at PZW Wałbrzych District, in particular with regard to the implementation of the measures listed in items 44-59 and 126 p. a;</p> <p>d) upon completion of the <i>Task implementation period</i>, the Contractor shall submit to PZW Wałbrzych District all documentation prepared by the ichthyologist expert supervising the works on behalf of the Contractor (e.g. in the form of a report on execution of ichthyological supervision of the works, describing e.g. actions taken to limit the negative impact of the works on ichthyofauna).</p>	
42.	<p><b><i>Ichthyological supervision of works in watercourse beds</i></b></p> <p>All works in watercourse beds should be carried out under the supervision of an ichthyologist expert (referred to in item 130).</p> <p>The above expert's task is to indicate the proper way of carrying out the works and then to control the correctness of their execution, as well as to observe the behaviour of ichthyofauna and ensure the implementation of adequate actions in situations threatening it.</p> <p>During periods of conducting works in watercourse beds, an ichthyologist expert should inspect the sites of such works on a regular basis (at least once every 3 days) and report their observations and recommendations on an ongoing basis to the Contractor's staff responsible for carrying out the works in accordance with the conditions of the EMP.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2019 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
43.	<p><b>Observations of fish behaviour during periods of work in watercourse beds</b></p> <p>During periods of conducting works in the watercourse beds, the behaviour of the ichthyofauna in the sections of the watercourses downstream of the conducted works (up to 500 m downstream of the works) should be observed on a regular basis. These observations should be carried out by an ichthyologist expert (as referred to in item 130) at a frequency of at least once every 3 days.</p> <p>The ichthyologist expert shall communicate the ongoing conclusions, observations and recommendations arising from the observations to the Contractor's staff responsible for carrying out the works in accordance with the conditions of the EMP</p> <p>If threats to the fish population are identified, in particular the possibility of fish death, works in the watercourse shall be stopped immediately and the recommendations of the above-mentioned ichthyologist expert must be absolutely followed in order to eliminate the danger to the local ichthyofauna.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
44.	<p><b>Permitted date of works in the watercourse beds</b></p> <p>Works in the watercourse beds and on the bank slopes of watercourses should be conducted only in the period of December 16th to the end of February and from July 1st to August 31st (an absolute prohibition of conducting such works in the period from March 1st to June 30th and from September 1st to December 15th).</p> <p>The optimal time for performing such works is the period from July 1st to August 31st (between December 16th and the end of February, the scope of the above works should be as limited as possible).</p> <p>The performance of such works in the period from December 16th to the end of February requires a prior favourable opinion of the ichthyologist expert (referred to in item 130), allowing their execution in a given location and establishing specific conditions for executing such works. The ichthyologist expert's opinion shall be submitted to the Engineer for approval.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
45.	<p><b>Maintaining water flow and migration conditions for aquatic organisms in watercourses in the Task implementation area</b></p> <p>For the entire <i>Task implementation period</i>, maintain the possibility of migration conditions for aquatic organisms in watercourse beds in the <i>Task implementation area</i> (the condition for maintaining water flow in watercourses).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>The following rules shall be observed for this purpose:</p> <ul style="list-style-type: none"> <li>a) for the entire <i>Task implementation period</i>, a minimum acceptable flow shall be maintained in the Bystrzyca Dusznicka (also at the section downstream of the dam);</li> <li>b) all works in the beds of watercourses shall be carried out on a one-sided basis, respecting the hydrological continuity of the watercourses, even at low water levels and maintaining appropriate depth for the existence of ichthyofauna (these depths are to be agreed with the ichthyologist expert referred to in item 130, and the results of the agreement are to be submitted to the Engineer for approval);</li> <li>c) If it is necessary to periodically reduce the flow of water in the riverbed in connection with the works conducted, detailed conditions for conducting the works should be agreed with the team of environmental experts referred to in Item 130 (including an ichthyologist expert) prior to the commencement of such works, so that the continuity of the migration corridors of aquatic organisms is not interrupted.</li> <li>d) the waters of watercourses shall be protected from pollution by temporarily separating them from the work site (e.g. with a fence made of local material or by routing the waters through a pipeline).</li> </ul> <p>The conditions in b-d do not apply to newly constructed sections of watercourses during their construction period.</p>	
46.	<p><b><i>Direction of conducting the works when regulating watercourse beds</i></b></p> <p>Construction and regulatory works in riverbeds and on bank slopes shall be carried out in stages in such a way that the front of the works moves with the river current (i.e. starting from the highest sections).</p> <p>The above condition does not apply to newly constructed sections of watercourses during their construction period.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
47.	<p><b><i>Rules of working with rip-rap</i></b></p> <p>The following rules shall be observed when reinforcing the bed or banks of existing watercourses with heavy stone rip-rap:</p> <ul style="list-style-type: none"> <li>a) stones from vehicles shall not be dumped directly into the riverbed;</li> <li>b) the stone delivered should be unloaded on the riverbank and then the individual blocks of stone should be carefully moved from the bank to the channel with an excavator;</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 4th quarter of 2019 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	c) stone blocks placed on the slopes should be adjusted and profiled manually (stone blocks must not be dropped from trucks directly into the water).	
48.	<p><b><i>Protection of watercourse beds from vehicle traffic</i></b></p> <p>The following prohibitions apply when working in the beds and on banks of watercourses:</p> <ul style="list-style-type: none"> <li>a) prohibition on the movement of vehicles on the bottom along the watercourse bed;</li> <li>b) prohibition on the movement of earth masses, gravel and stones by pushing the above-mentioned materials in watercourse beds;</li> <li>c) prohibition to designate service roads in watercourse beds (equipment to be brought in from the bank), except for places where lateral crossings will be designated, e.g. in the form of fords.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
49.	<p><b><i>Prohibition to extract material from the bottom of watercourse beds</i></b></p> <p>The extraction of stones, gravels or other materials constituting bottom material in the beds of watercourses (including the Bystrzyca Dusznicka ) is prohibited.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
50.	<p><b><i>Conditions for works on sections of riverbeds intended to be preserved</i></b></p> <p>Along the sections where the old riverbed will be preserved, the following conditions shall be observed:</p> <ul style="list-style-type: none"> <li>a) the bottom of the river should not be interfered with;</li> <li>b) the width of the riverbed should not be altered;</li> <li>c) the revetment should be limited solely to the construction of broken stone bands on the concave edges, laid on geotextile up to a maximum height of 2 m or up to a height of the river bank;</li> <li>d) all works to regulate existing sections of rivers shall be carried out under the guidance and in line with the recommendations of an ichthyologist expert and theriologist expert (referred to in item 130).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2021 to the 1st quarter of 2023.</p>
51.	<p><b><i>Prohibition to interfere with the beds and banks of watercourses not covered by works</i></b></p> <p>During the Task implementation period, it is not allowed to interfere with the beds and banks of the watercourses not covered by works (e.g. the ban of traffic of vehicles, machines and equipment, the ban to contaminate, devastate, store materials, etc.).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
52.	<p><b>Conditions for conduct of works and shaping new sections of rivers channels</b></p> <p>The following conditions shall be observed when constructing new sections of rivers channels:</p> <ul style="list-style-type: none"> <li>a) new sections of the river channels should be made in a way that allows for migration of lampreys and bullheads, among others by: <ul style="list-style-type: none"> <li>– through the selection of bottom substrate suitable for these species;</li> <li>– proper placement of stones (proper shape and size of stones);</li> <li>– ensuring adequate water velocity.</li> </ul> </li> <li>b) use natural or near-natural materials to form the bottom and bank slopes;</li> <li>c) the inclination of bank slopes must allow for the migration and movement of animals and should therefore not exceed 1:2.5;</li> <li>d) all works related to the formation of a new section of the river shall be carried out under the guidance and in line with the recommendations of an ichthyologist expert and theriologist expert (referred to in item 130).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 2nd quarter of 2020 and was continued until the 3rd quarter of 2021.</p>
53.	<p><b>Preservation of a section of the Bystrzyca Dusznicka riverbed above the historic bridge south of the planned dam</b></p> <p>During the <i>Task implementation period</i>, the section of the Bystrzyca Dusznicka riverbed marked in the design documentation as <i>B - B'</i> should be preserved (not backfilled), i.e. the section of the existing riverbed from the connection with the planned new section of the riverbed above the dam up to the historic bridge, marked in the design documentation as <i>N-9</i> (south of the eastern part of the planned reservoir dam).</p> <p>This section should be adapted to act as a breeding reservoir for amphibians, according to the guidelines and under the guidance of an herpetologist expert (referred to in item 130).</p> <p>During the operation period of the reservoir in this section, the rules of use given in item 67 shall be observed.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
54.	<p><b>Construction of the reservoir's sluice facilities and construction of new sections of the watercourse channels using "dry" technology</b></p> <p>The construction of the reservoir's sluice facilities and the construction of new sections of the riverbed should be carried out using "dry" technology (e.g. under the cover of a cofferdam).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2020 until the end of execution of works.</p>
55.	<p><b>Rules for the removal of old sections of the Bystrzyca Dusznicka channel</b></p> <p>After finishing the construction of the new sections of the Bystrzyca Dusznicka channel (including the section running through the sluice facilities in the dam body), carried out using "dry" technology (see item 54), the old channel sections are to be backfilled (as per the conditions defined in item 53), in each case using solutions that allow living organisms to get out in advance safely.</p> <p>The following needs to be done for this purpose:</p> <ul style="list-style-type: none"> <li>a) divert water from the old section of the channel (to be removed) to the newly constructed target bed;</li> <li>b) build a cofferdam to close off the upstream section of the old channel to be removed;</li> <li>c) wait until the water has drained from the section of the channel to be removed (measures should be taken to facilitate this, e.g. making additional ditches to allow the water to flow down the channel with aquatic organisms);</li> <li>d) in the event that stagnant water with trapped aquatic animals remains in the old channel after most of the water has drained away, these animals shall, under the supervision of an ichthyologist expert, referred to in item 130 – be trapped and relocated to sites suitable for habitat;</li> <li>e) the necessary permits under the provisions of the Nature Conservation Act and the Inland Fisheries Act shall be obtained before carrying out the activities referred to in (b-d) (above);</li> <li>f) build a cofferdam downstream of the section of the channel to be removed;</li> <li>g) backfill the section of the channel to be removed.</li> </ul> <p>All the work related to the removal of old sections of stream channels shall be conducted out under the guidance and in accordance with the indications of the above-mentioned ichthyologist expert.</p> <p>The actions described in this item of the EMP shall be carried out in accordance with the dates defined in items 44 and 59.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 3rd quarter of 2021.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
56.	<p><b>Conditions concerning the sluice channel</b></p> <p>A series of permanent sills, 0.1 m high, positioned perpendicular to the current and provided with a 0.9 - 0.95 m wide slot, should be constructed in the bottom of the sluice channel.</p> <p>Gaps in adjacent sluice gates should be located opposite.</p> <p>The water velocity in the sluice over part of its width is to be no more than 0.5 m/s.</p> <p>The fill rate shall be no less than 0.25 - 0.30 m.</p> <p>Works related to the execution of the above-mentioned conditions shall be carried out under the guidance and in line with the recommendations of an ichthyologist expert (referred to in item 130)</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented in the 3rd quarter of 2021.</p>
57.	<p><b>Conditions concerning the outlet from the sluice facilities</b></p> <p>An outlet from the sluice facilities should be terminated directly into the stilling basin, in such a way as to maintain the water table continuity.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 3rd quarter of 2021.</p>
58.	<p><b>Truss gaps at the inlet to the sluice facilities</b></p> <p>Truss gaps for supply of water to the sluice facilities from the headwater side should be not smaller than 0.40 m.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 3rd quarter of 2021.</p>
59.	<p><b>Acceptable dates for passing the water flow through the tunnel in the reservoir dam</b></p> <p>The first passage of construction water from the temporary channel into the inflow channel at the dam's bottom outlet should be carried out between July 1st and the end of February (optimally: between July 1st and August 31st).</p> <p>[see also: item 55]</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 3rd quarter of 2021.</p>
60.	<p><b>Conditions for the relocated medium voltage power line</b></p> <p>The reconstruction of power lines should be conducted under the direction and in accordance with the guidance of an ornithologist expert (referred to in item 130).</p> <p>If it is necessary to use insulators, suspended insulators shall be used and bridges shall be arranged in such a way that they cannot be touched by birds. The use of spark arrestors is prohibited.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 2nd quarter of 2020 and lasted until the 4th quarter of 2020.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
61.	<p><b>Conditions for the grading of slopes</b></p> <p>When excavating the valley slopes (including for the extraction of construction material), the slope inclination should be suitably profiled, preferably terraced, so that the slope angle does not exceed 30°.</p> <p>Grading works of this type should also take into account areas with a predisposition to mass movements (south-eastern part of the proposed reservoir).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 2nd quarter of 2021 until the end of execution of works.</p>
62.	<p><b>Geological supervision of earthworks</b></p> <p>All earthworks connected with the Task implementation shall be performed under the continuous supervision of a qualified and experienced geologist expert (as referred to in item 132).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2019 until the end of construction works.</p>
63.	<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> <ol style="list-style-type: none"> <li>1) construction site facilities, technological roads and yards should be dismantled, whilst road slabs and sand collected from ballast should be transported outside the <i>Task implementation area</i> to the place specified beforehand (accepted by the Engineer);</li> <li>2) backfill the area from which the soil masses were extracted (within the boundaries of the <i>Task implementation area</i>, except for the rubble trap and other areas provided to be left in the design documentation [see also item 12]);</li> <li>3) in the areas acquired in connection with the implementation of the Task (within the boundaries of the <i>Task implementation area</i>), appropriate agrotechnical measures should be taken (soil loosening, fertilization, etc.), in order to prepare the restoration of the fertile soil layer;</li> <li>4) in the areas acquired in connection with Task implementation (within the boundaries of the <i>Task implementation area</i>), the fertile soil layer should be restored (including the use of the topsoil collected from the area of works in accordance with condition given under item 13);</li> <li>5) treatments facilitating the restoration of green areas should be performed (including seeding and planting trees [in accordance with the design documentation], using only native plant species, compatible with local habitat conditions);</li> <li>6) proper care of the recreated green areas should be ensured (until the end of the Defects Notification Period);</li> </ol>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 2nd quarter of 2022 until the end of the Defects Notification Period.</p> <p>Problems occurred with the implementation of the measure in the period of the 1st and 2nd quarter of 2024.</p> <p>At the above date, it was found that the recreated green areas (lawns, compensation areas) were not being cared for correctly. The Engineer requested the Contractor to undertake maintenance works on these areas. The Contractor has complied with the Engineer's comments, and conducted activities under the supervision of relevant specialists.</p> <p>The above had no actual impact on the environment.</p>



Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>7) tidy up the <i>Task implementation area</i>.</p> <p>The actions described in items 3, 4, 5 and 6 (above) should be performed under the supervision of a botanist-phytosociologist expert and dendrologist expert (referred to in item 130), including in particular:</p> <ul style="list-style-type: none"> <li>a) agreement of the exact dates of works;</li> <li>b) agreement of the composition and quantitative proportions of seed mixtures planned for sowing;</li> <li>c) agreement of the composition and quantitative proportions of tree and bush species planned for planting;</li> <li>d) agreement of conditions for preparation of soil and seedlings;</li> <li>e) agreement of the principles of caring for the recreated green areas;</li> <li>f) submission of the results of the above-mentioned arrangements for the approval of the Engineer;</li> <li>g) 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).</li> </ul> <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>Before starting to perform the conditions defined in this item of EMP, a <i>Quality Assurance Plan</i> for the above-mentioned works will be presented for the Engineer's approval.</p>	
64.	<p><b><i>Ensuring the free outflow of water from the reservoir (without damming) below the Q60% flow rate</i></b></p> <p>A free outflow (without damming in the reservoir) of water with a flow probability corresponding to a flow of approximately Q60%, i.e. 15 m<sup>3</sup>/s, shall be guaranteed.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 3rd quarter of 2021.</p>
65.	<p><b><i>Permitted time for holding water in the reservoir</i></b></p> <p>Water should be held in the reservoir for no more than seven days (168 hours) and up to 500 hours in emergency situations.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented in the 3rd quarter of 2024.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
66.	<p><b>Ensuring intact flow downstream the reservoir dam</b></p> <p>For the entire period of reservoir operation, an intact flow downstream the dam shall be maintained, ensuring the functioning of natural habitats 3260 and 6430 downstream, as indicated by the phytosociologist expert (in the <i>Task implementation period</i>, this will be the ichthyologist expert referred to in item 130; after the end of the <i>Task implementation period</i>, an ichthyologist expert selected by the Employer).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented in the 1st quarter of 2024 and will be continued at the stage of reservoir operation.</p>
67.	<p><b>Prohibition to use the preserved section of the Bystrzyca Dusznicka riverbed for angling purposes</b></p> <p>The preserved section of the old Bystrzyca Dusznicka riverbed south-west of the reservoir dam (i.e. the section of the riverbed referred to in item 53) should be completely excluded from angling and fishing.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started from the 3rd quarter of 2021 and was continued until the end of execution of works.</p>
68.	<p><b>Obligation to maintain water in the rubble trap</b></p> <p>Between March 1st and August 31st, water should be maintained in the rubble trap, with a minimum depth of 15-30 cm.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented until 2024 and will be continued at the stage of reservoir operation.</p>
69.	<p><b>Prohibition to use the rubble trap for angling purposes</b></p> <p>The rubble trap should be completely excluded from angling.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented until 2024 and will be continued at the stage of reservoir operation.</p>
70.	<p><b>Rock rubble removal from the rubble trap</b></p> <p>In September, rock rubble should be removed from the rubble trap at least once every 5 years, at the same time removing the outwashes and ensuring flow capacity near the rubble trap stilling basin.</p> <p>If it is necessary to drain the water completely, fish and amphibians shall be trapped prior to the commencement of works, under the supervision and guidance of an ichthyologist expert and herpetologist expert (in the <i>Task implementation period</i>, these will be the experts referred to in item 130; after the end of the <i>Task implementation period</i>, the experts selected by the Employer).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented at the stage of reservoir operation.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
71.	<p><b><i>Ichthyological and herpetological supervision during maintenance works in the rubble trap</i></b></p> <p>Maintenance works in the rubble trap are to be carried out under the supervision of an ichthyologist expert and herpetologist expert (in the <i>Task implementation period</i>, these will be the experts referred to in item 130; after the end of the <i>Task implementation period</i>, the experts selected by the Employer).</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented at the stage of reservoir operation.</p>
72.	<p><b><i>Permitted period for conducting maintenance works in the reservoir bowl</i></b></p> <p>Maintenance works in the reservoir bowl shall be carried out at the following dates:</p> <ul style="list-style-type: none"> <li>a) works interfering with the riverbed shall be performed in September;</li> <li>b) works interfering with the ground surface (including cutting of plants) shall be performed in the period from September 1st to the end of February (i.e. outside the period from March 1st to August 31st).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented at the stage of reservoir operation.</p>
73.	<p><b><i>Cleaning of sluice facilities</i></b></p> <p>Sluice facilities (especially flow differential thresholds and gaps for fish migration in these thresholds) should be cleaned regularly, at least once a year.</p> <p>These activities should be performed between July and August.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in 2024 and will be continued at the stage of reservoir operation.</p>
74.	<p><b><i>Removal of outwashes at the upstream and downstream station of the reservoir</i></b></p> <p>Remove mechanically the outwashes at the outlet of the stilling basin from the tailwater side and at the inlet to sluice facilities from the headwater side.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented at the stage of reservoir operation.</p>
75.	<p><b><i>Conditions for final lighting of the reservoir area</i></b></p> <p>Lighting of the constructed reservoir should be limited to only:</p> <ul style="list-style-type: none"> <li>a) the crest and body of the dam;</li> <li>b) manoeuvring yard at the inlet to the bottom outlet;</li> <li>c) car park at the operating backyard building;</li> <li>d) road on the dam crest;</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented in the 4th quarter of 2023.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	Luminaries with reflectors that limit the spread of light beyond the areas to be illuminated should be used for lighting or sodium lamps producing clear yellow light, low-pressure sodium (SOX type), with a low UV value, should be used.	
76.	<p><b><i>Development of areas within the reservoir bowl</i></b></p> <p>The areas located within the area of the dry reservoir, to which the Employer has legal title, use as pastures or hay meadows.</p> <p>Mowing should be done at least once every 2 years (and optimally annually) between September 1st and 30th, leaving each time in a different place 5-10% of the area of meadows unmowed and removing the biomass.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented at the stage of reservoir operation.</p>
77.	<p><b><i>The use of building materials in accordance with regulations and standards and harmless to the environment</i></b></p> <p>Only building materials not harmful for the environment (natural, environment friendly or neutral) shall be used for the implementation of the Task. Used materials, raw materials, fuels, fertilizers, cement and concrete mixes shall have relevant attestations and be allowed for use. Earth structures should be made of natural materials, without the use of hazardous materials or harmful to health.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
78.	<p><b><i>Technical efficiency and inspections of vehicles, machines and equipment</i></b></p> <p>In order to prevent contamination of soil and water, only technically efficient vehicles, machines and equipment should be used to carry out works. The Contractor should carry out ongoing inspections of the efficiency of vehicles, machines and equipment and eliminate with any resources available any permeation of contamination to soil and water, including in particular spilling of fuel, hydraulic diesel and petroleum substances, both during operation, refuelling, transport, as well as the work of vehicles, machines and equipment.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p> <p>Problems occurred with the implementation of the measure in the period of the 2nd, 3rd and 4th quarter of 2019 and in the 2nd quarter of 2022 and in 2nd quarter of 2023.</p> <p>At the dates indicated above, the Engineer found places of leakage of petroleum substances to the ground. The Contractor did not take immediate actions to prevent the spread of contamination, by means of available resources (e.g. sorbents). The Engineer requested the Contractor to take immediate actions to rectify the default identified. The Contractor took the necessary actions to remove the contamination. The above default had no actual impact on the environment.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
79.	<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. 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 AND COMPLETED</b></p> <p>The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
80.	<p><b>Rules for the transport of earth masses for the construction of the reservoir dam</b></p> <p>Earth masses for the construction of the reservoir dam should be directed directly to the target dam section and built into the dam body immediately after unloading.</p> <p>If it is not possible to implement this condition, the location of the sites for the temporary storage of earth masses shall be agreed in each case with the environmental supervision experts (referred to in item 130), in order to exclude any negative impact on the environmental resources planned to be left in the construction project.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 4th quarter of 2021 to the 3rd quarter of 2023.</p>
81.	<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. Before disposing to watercourses, the water should be purified of suspension, through the use of, e.g. sedimentation tanks.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2019 until the end of execution of works.</p>
82.	<p><b>Conditions for movement of vehicles, machines and equipment in the Task 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>[see also item 84]</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2019 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
83.	<p><b><i>Parking place for machines and vehicles after finishing work</i></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><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2019 until the end of execution of works.</p> <p>Problems were found with the implementation of the measure in the 2nd quarter of 2022. At the above date, the Contractor was found to be parking vehicles in areas not prepared for this purpose. The Engineer provided his comments to the Contractor and requested that corrective measures be implemented (parking of equipment at the construction site facilities). The default had no actual impact on the environment.</p>
84.	<p><b><i>Sealing of the ground intended for movement of vehicles, machines and equipment at the construction site facilities</i></b></p> <p>The construction site facilities' area intended for movement of vehicles, machines and equipment shall be sealed from the ground.</p> <p>[see also item 82]</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
85.	<p><b><i>Designation and sealing of places of garaging and maintenance of vehicles, machines and equipment</i></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>At establishing locations for the above-mentioned sites, one shall consider e.g. a safe distance from reservoirs of flowing water and of stagnant water.</p> <p>A detailed location of the above-mentioned sites shall be agreed in advance with the team of environmental experts referred to in item 130 (including a phytosociologist expert).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
86.	<p><b><i>Ensuring the outflow of water from parking lots and roads to sewage systems</i></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 systems in a way that prevents any contamination from entering the ground or surface water.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
87.	<p><b>Prohibition to exceed the suspended solids concentration limit in the Bystrzyca Dusznicka</b></p> <p>Construction works and all other works related to the Task implementation shall be performed in such a way that the suspended solids concentration limit in the Bystrzyca Dusznicka (40 mg/l) is not exceeded at the suspended solids concentration monitoring points described in item 138 in appendix 2 of the EMP.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2019 until the end of execution of works.</p>
88.	<p><b>A stand with a sorbent near the service and parking lots for vehicles, machines and equipment</b></p> <p>In the vicinity of the places intended for servicing vehicles, machines and equipment (including garaging, refuelling and technical service yards, etc.) there should be a stand with sorbent serving to eliminate diesel leaks and outflows of petroleum derivatives.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
89.	<p><b>Guidelines for refuelling vehicles, machines and equipment</b></p> <p>Refuelling should be carried out using mobile or stationary fuel distribution points, with appropriate safeguards, such as a stand with sorbent used for removal of leaks and outflows of petroleum derivatives.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
90.	<p><b>Guidelines for washing and cleaning vehicles, machines and equipment</b></p> <p>Maintenance of vehicles, machines and equipment used in the Task implementation area (including, in particular, cleaning the equipment used for 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.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
91.	<p><b>Prevention of leaks from vehicles, machines and equipment</b></p> <p>For the entire Task implementation period, the technical condition of working vehicles, machines and equipment should be monitored on an ongoing basis in order to eliminate leakage of petroleum hydrocarbons to the ground and water.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
92.	<p><b>Proceedings in the case of emission of petroleum derivatives</b></p> <p>In the event of any events associated with emission of petroleum derivatives into the environment (including subbase and water), one shall:</p> <p>a) take immediate actions to prevent the spread of contamination, by means of available resources (e.g. sorbents);</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p> <p>Problems occurred with the implementation of the measure in the period of the 2nd, 3rd and 4th quarter of 2019 and in the 2nd quarter of 2022 and in 2nd quarter of 2023.</p> <p>At the dates indicated above, the Engineer found places of leakage of petroleum substances</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>b) immediately remove contaminated layers of soil, according to the currently binding regulations;</p> <p>c) in case of major failures, use the procedures described in item 113.</p>	<p>to the ground. The Contractor did not take immediate actions to prevent the spread of contamination, by means of available resources (e.g. sorbents). The Engineer requested the Contractor to take immediate actions to rectify the default identified. The Contractor took the necessary actions to remove the contamination. The above default had no actual impact on the environment.</p>
93.	<p><b>Reducing time of works to daytime</b></p> <p>Works should be planned to last as short a time as possible and should only be carried out during daylight hours (between 06:00 am and 10.00 pm)</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of implementing the construction works.</p>
94.	<p><b>Reducing noise of vehicles, machines and equipment</b></p> <p>During the <i>Task implementation period</i> only technically efficient vehicles, machines and equipment were should used, with noise emission (acoustic power) compliant with the binding regulations.</p> <p>In case any inefficient vehicles, machines and equipment are found which can generate a higher noise level in their neighbourhood, they should be eliminated from work.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of implementing the construction works.</p>
95.	<p><b>Reducing noise of pump sets</b></p> <p>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.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2019 until the end of execution of works.</p>
96.	<p><b>Limiting the power consumption of vehicles, machines and equipment</b></p> <p>Vehicles, machines and equipment should be used with low power consumption and switch off power/engines during the break in operation.</p> <p>Operating time of vehicles, machines and equipment should be reduced to the necessary minimum.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of implementing the construction works.</p>
97.	<p><b>Limiting air pollution with exhaust fumes</b></p> <p>In order to reduce the negative impact on the condition of the air:</p> <p>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;</p> <p>b) a place should be provided for free manoeuvres of vehicles, such as yards;</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of implementing the construction works.</p>



Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<ul style="list-style-type: none"> <li>c) it is necessary to limit the movement of vehicles, machines and devices to the necessary minimum;</li> <li>d) vehicles should be parked with the engine turned off.</li> </ul>	
98.	<p><b>Dust control from construction site and roads</b></p> <p>When carrying out construction works, the effects of secondary dusting should be limited by maintaining a high work culture, in particular by:</p> <ul style="list-style-type: none"> <li>a) regular cleaning of the construction site;</li> <li>b) spraying dusty road surfaces;</li> <li>c) use of sealed tarpaulins on cars transporting materials that may cause dust during transport;</li> <li>d) cleaning the wheels of the vehicles before they go to the access roads to the <i>Task implementation area</i>;</li> <li>e) removing dirt using mechanical devices (special vehicles).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2019 until the end of implementing the construction works.</p>
99.	<p><b>Keeping the roads clean</b></p> <p>The following measures should be taken to keep roads clean, among others:</p> <ul style="list-style-type: none"> <li>a) the Contractor shall use all available technical means and organisation of works in order to maximally reduce pollution of access roads to the <i>Task implementation area</i>.</li> <li>b) 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.</li> <li>c) the Contractor is obliged to immediately and systematically remove any dirt generated on the roads as a result of the movement of vehicles, machines and equipment connected with the Task execution.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 1st quarter of 2019 until the end of execution of works.</p>
100.	<p><b>Prohibition to burn fires and burn materials, wastes, litter, etc.</b></p> <p>It is prohibited to burn fires and burn materials, wastes and litter, etc. in the <i>Task implementation area</i>.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
101.	<p><b>Preparation of Waste Management Plan (WMP)</b></p> <p>Prior to the commencement of works, the Contractor will prepare and submit for the Engineer's approval a <i>Waste Management Plan</i>, 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>[see also item 8]</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 2nd quarter of 2018.</p>
102.	<p><b>Waste management principles</b></p> <p>Waste generated during the Task implementation shall be:</p> <ul style="list-style-type: none"> <li>a) segregated and stored selectively in sealed containers or in separate and adapted places, in conditions preventing dusting and dispersing of light fractions and their negative impact on the environment;</li> <li>b) ensure gradual waste reception by entities authorised to handle it.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>Implementation of the measure was started from the 2nd quarter of 2018 until the end of execution of works.</p> <p>Problems were found with the implementation of the measure in the period of the 2nd quarter of 2021 and in the 2nd quarter of 2023.</p> <p>At the above date, numerous construction and household wastes were found on the Site. The Engineer requested the Contractor to clean up the Construction Site immediately. The Contractor implemented cleaning actions. The above default had no actual impact on the environment.</p>
103.	<p><b>Rules for handling hazardous waste</b></p> <p>Hazardous waste should be segregated and stored separately in special sealed containers placed in the hardened and marked area secured against access by third parties, until it is handed over to entities authorised to handle it.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
104.	<p><b>Principles of handling social and domestic sewage</b></p> <p>Social and domestic sewage should be collected 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 AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
105.	<p><b>Preventing illegal dumping of litter and waste</b></p> <p>Prior to the commencement of works the Contractor will investigate the <i>Task implementation area</i> for the presence of possible illegal landfills of litter and waste. During the <i>Task implementation period</i>, the Contractor shall secure the <i>Task implementation area</i> against any occurrence of such landfills.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
106.	<p><b>Development of documents related to safety in the Task implementation area</b></p> <p>In the <i>Task implementation area</i>, it is necessary to maintain order and ensure proper organisation of works.</p> <p>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:</p> <ul style="list-style-type: none"> <li>a) <i>Health and Safety Plan (HASP)</i>;</li> <li>b) <i>Construction Site Organisation Plan</i>.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure.</p> <p>Implementation of the measure was started from the 2nd quarter of 2018 until the end of execution of works.</p>
107.	<p><b>Sapper reconnaissance and supervision in the Task implementation area</b></p> <p>In order to minimize the risk associated with the possibility of hazardous items of military origin occurring in the <i>Task implementation area</i>, the Contractor shall provide:</p> <ul style="list-style-type: none"> <li>a) prior to the start of works – reconnaissance at the <i>Task implementation area</i> 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);</li> <li>b) during the works – sapper supervision of works (carried out by the team of sapper supervision discussed under item 133), consisting in the ongoing checking and clearing of the <i>Task implementation area</i> of dangerous objects of military origin along with their treatment;</li> <li>c) if hazardous military objects are found on the <i>Task implementation area</i> – apply the procedures described in item 114.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
108.	<p><b>Documentation and monitoring of the technical condition of buildings exposed to tremor and vibrations</b></p> <p>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.</p> <p>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 AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
109.	<p><b>Implementation of guidelines on work safety requirements</b></p> <p>The Contractor will ensure the implementation of detailed guidelines on work safety requirements, including in terms of:</p> <ul style="list-style-type: none"> <li>a) development of the construction site, including hazardous areas;</li> <li>b) storage and transport;</li> <li>c) electrical installations and devices;</li> <li>d) machines and technical equipment;</li> <li>e) work at heights;</li> <li>f) earthworks;</li> <li>g) selected renovation and demolition works;</li> </ul> <p>selected renovation and demolition works, contained in applicable legal regulations and as outlined in the <i>National Labour Inspectorate</i> study annexed to the <i>Contract Bidding Documents</i> (Part 2, Section VII – <i>Works Requirements</i>).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 3rd quarter of 2018.</p>
110.	<p><b>Ensuring the hygienic conditions</b></p> <p>In the <i>Task implementation 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 AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
111.	<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 defined in the <i>Contract Bidding Documents</i> (Part 3, Section VIII – <i>General Conditions, Clause 6.7</i>).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
112.	<p><b>Rules of procedure in connection with the flood risk</b></p> <p>In connection with the flood risk, the Contractor will prepare and submit to the Engineer's approval a document entitled: <i>Flood protection plan for the construction site</i>, taking into account local hydrological and meteorological conditions in the vicinity of the construction site.</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 AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
113.	<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>[see also condition in item 92]</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
114.	<p><b>Rules of procedure for unexploded shells</b></p> <p>In case of finding an unexploded shell:</p> <ul style="list-style-type: none"> <li>a) immediately stop the works;</li> <li>b) evacuate the area around the find;</li> <li>c) immediately notify the sapper supervision [see items 107 and 133] and the Police, and then act according to their instructions;</li> <li>d) notify the Engineer and 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>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>
115.	<p><b>Obtaining the opinion of the conservator of monuments</b></p> <p>Prior to commencing the works, the Contractor will obtain an opinion of the appropriate monuments conservator on the conditions for the execution of the planned works, in connection with the applicable rules for the protection of historic buildings and archaeological sites. The Contractor will be obliged to comply with the findings of this opinion.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The opinion of the relevant Conservator of Monuments was obtained before the start of the Contract for construction works.</p>
116.	<p><b>Ensuring the archaeological supervision</b></p> <p>Earthworks should be carried out under ongoing archaeological supervision.</p> <p>For this purpose, the Contractor shall:</p> <ul style="list-style-type: none"> <li>a) prepare a relevant action plan in this regard as part of the <i>Quality Assurance Programme</i>;</li> <li>b) ensure the participation of a team of archaeologists (referred to in item 131) who conduct ongoing supervision of earthworks;</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	c) if necessary, obtain the <i>Permit required by law to conduct archaeological investigations</i> from the Lower Silesian Provincial Conservator of Monuments.	
117.	<p><b>Rules of conduct in case of discovery of movable monuments 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> <ul style="list-style-type: none"> <li>a) immediately stop any work that may damage or destroy uncovered objects;</li> <li>b) secure (by means of available sources) uncovered objects and the place where they were found against being destroyed, damaged or stolen;</li> <li>c) immediately notify the team of expert archaeologists (as referred to in Items 116 and 131) and the Engineer;</li> <li>d) take further security measures, agreed with the team of archaeologists and the Engineer;</li> <li>e) facilitate and ensure carrying out documentary activities, archaeological investigations and other necessary activities indicated by the team of expert archaeologists and/or administrative authorities responsible for preserving the historic substance;</li> <li>f) after completing the activities and research listed in items d) and e) uncovered mobile monuments should be relocated to appropriate institutions indicated by the team of expert archaeologists and/or administrative authorities responsible for protecting the historic substance (in accordance with the applicable regulations and the content of the <i>Permit</i> referred to in par. 116(c)).</li> <li>g) in the case of immobile monuments, after completing the activities and investigations listed in items d) and e), the guidelines should be implemented regarding further treatment of the uncovered historic substance, established by the team of expert archaeologists and/or administrative authorities responsible for protecting the historic substance (in accordance with applicable regulations and the content of the <i>Permit</i> referred to in par. 116 point c).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 3rd quarter of 2018 until the end of execution of works.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
118.	<p><b><i>Planting tree stands of the natural habitat * 91E0</i></b></p> <p>In order to restore the resources of the natural habitat *91E0 Willow-poplar-alder-ash forests, native woody and shrubby vegetation must be planted before the completion of the main construction works, on the total area of at least 2.90 hectares.</p> <p>These plantings should be made within the borders of plots with cadastral numbers nos. 802/13 and 804/9 (a strip in the southern part of the plot), the precinct of Szalejów Górny, in places indicated by a phytosociologist expert and dendrologist expert (referred to in item 130) as appropriate for the development of this type of habitat.</p> <p>Only native tree and bush species, typical of *91E0 habitat, should be used for planting (including, inter alia: sycamore, European ash, crack willow, grey alder, wych elm, and as admixtures [not more than 10%]: black alder, white willow, common spruce and as an understory: guelder rose, buckthorn, bushy species of willows, common hazel, common cherry). Detailed species composition and quantitative proportions of individual species in planned plantings should be agreed with the above-mentioned a phytosociologist expert and dendrologist expert.</p> <p>The planted crops should be cared for (e.g. annual mowing of grasses in the crops, fencing of the crop area, application of repellents or restoration) for at least 10 years.</p> <p>During the <i>Task implementation period</i>, the above-mentioned activities (i.e. planting and care) should be carried out under the supervision of the above-mentioned phytosociologist and dendrologist experts, including, among others:</p> <ul style="list-style-type: none"> <li>a) agreement of the exact dates of works;</li> <li>b) agreeing on a detailed planting location;</li> <li>c) agreement of the composition and quantitative proportions of tree and bush species planned for planting;</li> <li>d) agreement of conditions for preparation of soil and seedlings;</li> <li>e) agreement of the care of the plantings performed;</li> <li>f) submission of the results of the above-mentioned arrangements for the approval of the Engineer;</li> <li>g) supervision over the execution of plantings and supervision over the care of the executed plantings (until the end of the Defects Notification Period).</li> </ul> <p>The arrangements referred to in points a-e shall take into account the requirements specified in the design documentation for the relevant scope.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 2nd quarter of 2022 until the end of the Defects Notification Period.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>The actions related to the execution of plantings referred to in this item of EMP shall be started as soon as possible to enable their timely implementation (plantings must be done before the completion of the main construction works).</p> <p>Before starting to perform the conditions defined in this item of EMP, a <i>Quality Assurance Plan</i> for the above-mentioned works will be presented for the Engineer's approval.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	
119.	<p><b><i>Planting tree stands of the natural habitat *9180</i></b></p> <p>In order to restore the resources of the natural habitat <i>*9180 Javorins and maple-lime forests</i>, native woody and shrubby vegetation must be planted before the completion of the main construction works, on the total area of at least 1.00 hectares.</p> <p>These plantings should be made within the borders of plots with cadastral numbers nos. 409 and 518/2 (a strip in the southern part of the plot), the precinct of Szalejów Górny, in places indicated by a phytosociologist expert and dendrologist expert (referred to in item 130) as appropriate for the development of this type of habitat.</p> <p>Only native tree and bush species, typical of <i>*9180</i> habitat, should be used for planting (including, inter alia: sycamore, Norway maple, pedunculate oak, small-leaved lime, large-leaved lime, European beech, and as admixtures [not more than 5%]: common spruce and wych elm and as an understory: guelder rose, buckthorn, common hazel, hawthorn and plum).</p> <p>Detailed species composition and quantitative proportions of individual species in planned plantings should be agreed with the above-mentioned phytosociologist expert and dendrologist expert.</p> <p>The planted crops should be cared for (e.g. annual mowing of grasses in the crops, fencing of the crop area, application of repellents or restoration) for at least 10 years.</p> <p>During the <i>Task implementation period</i>, the above-mentioned activities (i.e. planting and care) should be carried out under the supervision of the above-mentioned phytosociologist and dendrologist experts, including, among others:</p> <ul style="list-style-type: none"> <li>a) agreement of the exact dates of works;</li> <li>b) agreeing on a detailed planting location;</li> <li>c) agreement of the composition and quantitative proportions of tree and bush species planned for planting;</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 2nd quarter of 2022 until the end of the Defects Notification Period.</p>



Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>d) agreement of conditions for preparation of soil and seedlings;</p> <p>e) agreement of the care of the plantings performed;</p> <p>f) submission of the results of the above-mentioned arrangements for the approval of the Engineer;</p> <p>g) supervision over the execution of plantings and supervision over the care of the executed plantings (until the end of the Defects Notification Period).</p> <p>The arrangements referred to in points a-e shall take into account the requirements specified in the design documentation for the relevant scope.</p> <p>The actions related to the execution of plantings referred to in this item of EMP shall be started as soon as possible to enable their timely implementation (plantings must be done before the completion of the main construction works).</p> <p>Before starting to perform the conditions defined in this item of EMP, a <i>Quality Assurance Plan</i> for the above-mentioned works will be presented for the Engineer's approval.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	
120.	<p><b><i>Planting of vegetation forming a migration corridor along the course of the Bystrzyca Dusznicka River</i></b></p> <p>In order to improve the migration conditions of birds and mammals (including bats) along the course of the Bystrzyca Dusznicka River, native woody and shrubby vegetation shall be planted before the completion of the main construction works, on the total area of 5 - 8 ha.</p> <p>These plantings should be made in places indicated by phytosociologist and dendrologist experts (referred to in item 130), in consultation with an ornithologist, chiropterologist and theriologist expert (referred to in item 130), taking into account in particular the preservation of an animal migration corridor along the Bystrzyca Dusznicka River.</p> <p>Only native tree and bush species should be used for planting (including i.a. hawthorn and plum). Detailed species composition and quantitative proportions of individual species in planned plantings should be agreed with all the above-mentioned experts.</p> <p>The planted crops should be cared for (e.g. annual mowing of grasses in the crops, fencing of the crop area, application of repellents or restoration) for at least 10 years.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 2nd quarter of 2022 until the end of the Defects Notification Period.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>During the <i>Task implementation period</i>, the above-mentioned activities (i.e. planting and care) should be carried out under the supervision of the above-mentioned phytosociologist and dendrologist experts, including, among others:</p> <ul style="list-style-type: none"> <li>a) agreement of the exact dates of works;</li> <li>b) agreeing on a detailed planting location;</li> <li>c) agreement of the composition and quantitative proportions of tree and bush species planned for planting;</li> <li>d) agreement of conditions for preparation of soil and seedlings;</li> <li>e) agreement of the care of the plantings performed;</li> <li>f) submission of the results of the above-mentioned arrangements for the approval of the Engineer;</li> <li>g) supervision over the execution of plantings and supervision over the care of the executed plantings (until the end of the Defects Notification Period).</li> </ul> <p>The arrangements referred to in points a-e shall take into account the requirements specified in the design documentation for the relevant scope.</p> <p>The actions related to the execution of plantings referred to in this item of EMP shall be started as soon as possible to enable their timely implementation (plantings must be done before the completion of the main construction works).</p> <p>Before starting to perform the conditions defined in this item of EMP, a <i>Quality Assurance Plan</i> for the above-mentioned works will be presented for the Engineer's approval.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	
121.	<p><b><i>Installation of nesting boxes for White-throated dipper and Grey wagtail</i></b></p> <p>Prior to the commencement of the works, hang 4 nesting boxes for White-Throated Dipper <i>Cinclus cinclus</i> and for Grey Wagtail <i>Motacila cinerea</i> at the Bystrzyca Dusznicka River (outside the area of clearing trees and bushes), including:</p> <ul style="list-style-type: none"> <li>a) behind the bridge leading from Szalejów Górny to Polanica Zdrój (Kłodzka St.), along the stretch between the bridge and Polna St.: 2 boxes;</li> <li>b) at Wojska Polskiego Ave., where the Bystrzyca Dusznicka is crossed by a road and a railway bridge: 2 boxes.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2018 until the end of the Defects Notification Period.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>The locations proposed above, as well as designs of the boxes and the detailed locations of the sites for hanging the boxes are to be agreed with the ornithologist expert (referred to in item 130), and the results of the agreements are to be submitted to the Engineer for approval.</p> <p>The boxes shall be hung in agreement with and under the supervision of the ornithologist expert.</p> <p>During the <i>Task implementation period</i>, the Contractor shall ensure the annual cleaning and necessary maintenance of the boxes (including their replacement in case of wear and tear), carried out with the participation, under the supervision and according to the indications of the above-mentioned ornithologist expert.</p> <p>After the end of the <i>Task implementation period</i> (i.e. in the period of use), the Employer shall ensure the annual cleaning and necessary maintenance of the boxes (including their replacement in case of wear and tear), carried out with the participation, under the supervision and according to the indications of the above-mentioned ornithologist expert.</p> <p>The actions related to the hanging of nesting boxes for White-throated dipper and Grey wagtail, referred to in this item of EMP, shall be started as soon as possible to enable their timely implementation.</p> <p>Before starting to perform the conditions defined in this item of EMP, a <i>Quality Assurance Plan</i> for the above-mentioned works will be presented for the Engineer's approval.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	
122.	<p><b><i>Installation of nesting boxes for birds</i></b></p> <p>Prior to the commencement of tree felling, within the <i>Task implementation area</i> (in places indicated by an entomologist expert [referred to in item 130] and in consultation with the locally responsible forestry officer) 3 platforms and 92 nesting boxes for birds shall be hung, including:</p> <ul style="list-style-type: none"> <li>a) nesting platform for hawk, sparrowhawk and eagle owl: 3 pcs.,</li> <li>b) semi-open nesting box for kestrel: 1 pcs.,</li> <li>c) nesting box for treecreeper: 3 pcs.,</li> <li>d) small semi-open nesting box: 6 pcs.;</li> <li>e) large semi-open nesting box for: 2 pcs.,</li> <li>f) type E nesting box: 1 pcs.,</li> <li>g) type D nesting box: 3 pcs.,</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>Implementation of the measure was started in the 4th quarter of 2018 until the end of the Defects Notification Period.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>h) type B nesting box: 50 pcs. (including 3 for nuthatch and 3 for Eurasian wryneck),</p> <p>i) type A nesting box: 18 pcs.;</p> <p>j) type A1 nesting box: 8 pcs.</p> <p>The results of the agreements for location of boxes and platforms with the above-mentioned ornithologist expert and the forestry officer are to be submitted to the Engineer for approval.</p> <p>The boxes and platforms shall be hung in agreement with and under the supervision of the ornithologist expert.</p> <p>During the <i>Task implementation period</i>, the Contractor shall ensure the annual cleaning and necessary maintenance of the boxes and platforms (including their replacement in case of wear and tear), carried out with the participation, under the supervision and according to the indications of the above-mentioned ornithologist expert.</p> <p>After the end of the <i>Task implementation period</i> (i.e. in the period of use), the Employer shall ensure the annual cleaning and necessary maintenance of the boxes and platforms (including their replacement in case of wear and tear), carried out with the participation, under the supervision and according to the indications of the ornithologist expert.</p> <p>Before starting to perform the conditions defined in this item of EMP, a <i>Quality Assurance Plan</i> for the above-mentioned works will be presented for the Engineer's approval.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	
123.	<p><b><i>Installation of a nesting platform for eagle owl</i></b></p> <p>Before the start of the works, between August and November, a replacement nesting platform for the eagle owl <i>Bubo bubo</i> should be installed in the forest south-east of Szalejów Górny (on one of the tall pine trees growing by the cliff above the Bystrzyca Dusznicka).</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>Implementation of the measure was started in the 4th quarter of 2018 until the end of the Defects Notification Period.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>The design and construction of the platform shall be agreed with the ornithologist expert (referred to in item 130) and the results of the agreements are to be submitted to the Engineer for approval.</p> <p>The detailed location of the platform shall be agreed with the above-mentioned ornithologist expert and the locally competent forestry officer, and the results of the agreement shall be submitted to the Engineer for approval.</p> <p>The construction and installation of the platform shall be carried out in agreement with and under the supervision of the ornithologist expert.</p> <p>During the <i>Task implementation period</i>, the Contractor shall ensure annual inspections of the condition of the platform outside the bird breeding period (including its replacement or repair in case of wear and tear) and annual inspections of the platform's occupancy by birds during the breeding period, undertaken with and under the supervision of and as indicated by the above-mentioned ornithologist expert.</p> <p>After the end of the <i>Task implementation period</i> (i.e. in the period of use), the Employer shall ensure annual inspections of the condition of the platform outside the bird breeding period (including its replacement or repair in case of wear and tear) and annual inspections of the platform's occupancy by birds during the breeding period, undertaken with and under the supervision of and as indicated by the above-mentioned ornithologist expert.</p> <p>Before starting to perform the conditions defined in this item of EMP, a <i>Quality Assurance Plan</i> for the above-mentioned works will be presented for the Engineer's approval.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
124.	<p><b>Installation of boxes for bats</b></p> <p>After completion of the cutting of plants, 50 bat nesting boxes (Issel and Stratmann model) shall be hung in an area within 1 km of the reservoir boundaries (at locations indicated by the chiropterologist expert [referred to in item 130] and agreed with the locally responsible forestry officer .</p> <p>These boxes shall be hung in groups of 6 - 8 pieces.</p> <p>A detailed location of the boxes should consider the requirements of the individual bat species and must be agreed with the above-mentioned chiropterologist expert.</p> <p>The results of the above-mentioned agreements with a chiropterologist expert and the forestry officer are to be submitted to the Engineer for approval.</p> <p>The boxes shall be hung in agreement with and under the direct supervision of the chiropterologist expert.</p> <p>During the <i>Task implementation period</i>, the Contractor shall ensure the annual cleaning and necessary maintenance of the boxes (including their replacement in case of wear and tear), carried out with the participation, under the supervision and according to the indications of the above-mentioned chiropterologist expert.</p> <p>Limit the maintenance of the boxes to repairing them (by improving their tightness and filling in missing parts) and cleaning the boxes of droppings. No chemicals may be used to maintain the boxes. If the box is seriously damaged or destroyed, replace it with a new one.</p> <p>After the end of the <i>Task implementation period</i> (i.e. in the period of use) the Employer shall ensure the annual cleaning and necessary maintenance of the boxes (including their replacement in case of wear and tear), carried out with the participation, under the supervision and according to the indications of the above-mentioned chiropterologist expert.</p> <p>Before starting to perform the conditions defined in this item of EMP, a <i>Quality Assurance Plan</i> for the above-mentioned works will be presented for the Engineer's approval.</p> <p>Information concerning the implementation of this measure shall be provided in accordance with the conditions defined in item 136.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 1st quarter of 2019 until the end of the Defects Notification Period.</p>
125.	<p><b>Implementation of the decision of RDOŚ permitting derogations from the prohibitions on the protection of species of plants</b></p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 2nd quarter of 2019 until the end of construction works implementation.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>In relation to the Task implementation, in the <i>decision of RDOŚ in Wrocław of 08/26/2016 for the "Szalejów Górny" - a dry flood control reservoir on Bystrzyca Dusznicka River</i> (ref.: WPN.6400.47.2016.IL – appendix no. 4c to this EMP) the following permits were granted in relation to individuals and habitats of protected plant species occurring within the <i>Task implementation area</i>:</p> <ul style="list-style-type: none"> <li>• destruction of individuals and habitats of the 12 protected plant species (algae, liverworts, mosses and vascular plants) listed in the above-mentioned decision, located in the valley of the Bystrzyca Dusznicka (river kilometre from km 8+300 to km 12+500), in the area between the towns of Szalejów Górny, Szalejów Dolny [to the north and west], Siemków [to the east] and the ridge line separating Szalejów Górny and Szalejów Dolny from Stary Wielisław [to the south].</li> </ul> <p>The above permits were granted subject to the following conditions:</p> <ol style="list-style-type: none"> <li>a) the measures described in item 30 in this table are implemented;</li> <li>b) the implementation of the permit together with the conditions imposed in the <i>decision of RDOŚ in Wrocław of 09/30/2015 on environmental conditions for the "Szalejów Górny" - a dry flood control reservoir on Bystrzyca Dusznicka River</i> (ref.: WOOŚ.4233.8.2013.ŁCK.54 – appendix no. 4a and b), cited in this table.</li> </ol> <p>The permits defined in the above-mentioned decision are valid until December 31, 2020.</p> <p>Information on the extent to which the permits specified in the above decision have been used shall be submitted to the Engineer in accordance with the terms of item 137.</p>	
126.	<p><b>Implementation of the decision of RDOŚ permitting derogations from the prohibitions on the protection of species of animals</b></p> <p>In relation to the Task implementation, in the <i>decision of RDOŚ in Wrocław of 08/26/2016 for the "Szalejów Górny" - a dry flood control reservoir on Bystrzyca Dusznicka River</i> (ref.: WPN.6401.268.2016.IL – appendix no. 4d to this EMP) the following permits were granted in relation to individuals and habitats of protected animal species located within the <i>Task implementation area</i>, in the valley of the Bystrzyca Dusznicka (river kilometre from km 8+300 to km 12+500), in the area between the towns of Szalejów Górny, Szalejów Dolny [to the north and west], Siemków [to the east] and the ridge line separating Szalejów Górny and Szalejów Dolny from Stary Wielisław [to the south]:</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 4th quarter of 2018 until the end of construction works implementation.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>1) in relation to the 5 protected amphibian and reptile species listed in point 1 of the above-mentioned decision, it permits to carry out the activities described in point 1 of the above-mentioned decision;</p> <p>2) in relation to the 1 protected reptile species listed in point 2 of the above-mentioned decision, it permits to carry out the activities described in point 2 of the above-mentioned decision;</p> <p>3) in relation to the 2 protected species of fish and lampreys listed in point 3 of the above-mentioned decision, it permits to carry out the activities described in point 3 of the above-mentioned decision;</p> <p>4) in relation to the 1 protected mammal species listed in point 4 of the above-mentioned decision, it permits to carry out the activities described in point 4 of the above-mentioned decision;</p> <p>5) in relation to the 2 protected mammal species listed in point 5 of the above-mentioned decision, it permits to carry out the activities described in point 5 of the above-mentioned decision;</p> <p>6) in relation to the 6 protected bat species listed in point 6 of the above-mentioned decision, it permits to carry out the activities described in point 6 of the above-mentioned decision;</p> <p>7) in relation to the 2 protected bat species listed in point 7 of the above-mentioned decision, it permits to carry out the activities described in point 7 of the above-mentioned decision;</p> <p>8) in relation to the 58 protected bird species listed in point 8 of the above-mentioned decision, it permits to carry out the activities described in point 8 of the above-mentioned decision;</p> <p>9) in relation to the 4 protected bird species listed in point 9 of the above-mentioned decision, it permits to carry out the activities described in point 9 of the above-mentioned decision;</p> <p>The above permits were granted subject to the following conditions:</p> <p>a) to perform the activities connected with catching and transferring the individuals of protected animal species from the construction site, described in items 17, 34 and 37 in this table;</p> <p>b) the implementation of the permit together with the conditions imposed in the <i>decision of RDOŚ in Wrocław of 09/30/2015 on environmental conditions for the "Szalejów Górny" - a dry flood control reservoir on Bystrzyca Dusznicka River</i> (ref.: WOOŚ.4233.8.2013.ŁCK.54 – appendix no. 4a and b).</p>	



Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>The permits defined in the above-mentioned decision are valid until December 31, 2020.</p> <p>Information on the extent to which the permits specified in the above decision have been used shall be submitted to the Engineer in accordance with the terms of item 137.</p>	
127.	<p><b>Verification of geodetic division used in the EMP</b></p> <p>All references to the numbering of the register plots given in this appendix to the EMP refer to the state of the geodetic division of 2014-2015.</p> <p>The following should be done before commencing the implementation of the conditions referring to the areas described in the EMP by means of numbers of register plots (see item 6, 118 and 119):</p> <ol style="list-style-type: none"> <li>identify the current location of the boundaries of the above-mentioned areas with reference to the current geodetic division (and the current numbering of plots) included in the current investment project implementation permit decision issued for the Task;</li> <li>submit information on the results of the above findings to the Engineer for approval.</li> </ol>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented in the 3rd quarter of 2018.</p>
128.	<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 AND COMPLETED</b></p> <p>The measure was implemented from the 1st quarter of 2019 until the end of construction works implementation.</p>
129.	<p><b>Appointment of the EMP coordinator in the Contractor's team</b></p> <p>The Contractor's team will appoint a person to coordinate and supervise the activities related to the implementation of the EMP.</p> <p>The responsibilities of such person shall be, in particular:</p> <ol style="list-style-type: none"> <li>supervision over the implementation of particular conditions of the EMP in subsequent stages of the Task implementation;</li> </ol>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2018 until the end of construction works implementation.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>b) ongoing monitoring of the state of implementation of particular conditions from Appendices 1 and 2 of the EMP in the <i>Task implementation area</i>;</p> <p>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;</p> <p>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 referred to items 130, 131 and 133 ) in the scope of ensuring the implementation of the EMP;</p> <p>e) reporting of EMP execution (as per the rules given in items 135, 136 and 137);</p> <p>f) cooperation with persons responsible for the implementation of the EMP in the Engineer's and Employer's team.</p> <p>The Engineer's approval is required for the person appointed to perform the above-mentioned function.</p>	
130.	<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> <p>a) botanist-phytosociologist (natural habitats and protected plant species);</p> <p>b) botanist-bryologist (moss);</p> <p>c) dendrologist (principles of care and protection of trees);</p> <p>d) zoologist-expert in invertebrates (protected species of invertebrates [especially butterflies and beetles], macrozoobenthos);</p> <p>e) zoologist-ichthyologist (fish);</p> <p>f) zoologist-herpetologist (amphibians and reptiles);</p> <p>g) zoologist-ornithologist (birds);</p> <p>h) zoologist-chiropterologist (bats);</p> <p>i) zoologist-theriologist (non-flying mammals).</p> <p>These experts will be involved in the implementation of selected mitigation and monitoring measures identified in the EMP, in particular:</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2018 until the end of construction works implementation.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>a) mitigation measures listed under appendix 1 to the EMP in the items: 6, 10, 13, 16, 17, 18, 22, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 50, 52, 53, 55, 56, 60, 63, 66, 70, 71, 80, 85, 118, 119, 120, 121, 122, 123, 124, 125, 126, 129, 130, 136 and 137;</p> <p>b) monitoring measures listed under Appendix 2 to the EMP, in the items: 138, 139, 140, 141, 142, 143 and 144.</p> <p>The Engineer's approval is required for personal composition of the team of environmental experts. One member of the environmental experts' team may represent a maximum of two of the nature specialisations listed in points a-i above.</p> <p>Engagement of the above-mentioned experts within works concerning other tasks of OVFMP or in any other ventures may not limit their availability for the said Task.</p> <p>Before the commencement of works, the Contractor will present for the Engineer's approval the <i>Quality assurance plan</i> in scope of activities of the team of environmental experts.</p>	
131.	<p><b>Ensuring the team of archaeological experts</b></p> <p>For the entire <i>Task implementation period</i>, the Contractor will ensure the participation of a team of archaeological experts.</p> <p>The experts will be involved in execution of selected mitigation measures specified in the EMP (specifically this concerns the measures described in item 115, 116 and 117 in appendix 1 of 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 archaeological experts. Engagement of the above-mentioned experts within works concerning other tasks of OVFMP or in any other ventures may not limit their availability for the said Task.</p> <p>Prior to the commencement of the works, the Contractor shall submit for the approval of the Engineer a <i>Quality Assurance Plan</i> for the activities of the archaeological expert team.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2018 until the end of construction works implementation.</p>
132.	<p><b>Ensuring the team of geological experts</b></p> <p>For the entire <i>Task implementation period</i>, the Contractor will ensure the participation of a team of geological experts.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 2nd quarter of 2019 until the end of construction works implementation.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>The experts will be involved in execution of selected mitigation measures specified in the EMP (specifically this concerns the measures described in item 61 and 62 in appendix 1 of EMP).</p> <p>Depending on the needs, a team of geological experts can consist of one or more people with the appropriate professional licenses and professional experience. The Engineer's approval is required for personal composition of the team of geological experts. Engagement of the above-mentioned experts within works concerning other tasks of OVFMP or in any other ventures may not limit their availability for the said Task.</p> <p>Prior to the commencement of the works, the Contractor shall submit for the approval of the Engineer a <i>Quality Assurance Plan</i> for the activities of the geological expert team.</p>	
133.	<p><b>Ensuring the sapper's supervision team</b></p> <p>For the entire <i>Task implementation period</i>, the Contractor shall ensure the participation of the team of sapper supervision.</p> <p>This team will be involved in execution of selected mitigation measures specified in the EMP (specifically this concerns the measures described in item 107 of in Appendix 1 of 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 sapper's supervision team. Engagement of the above-mentioned persons within works concerning other tasks of OVFMP or in any other ventures may not limit their availability for the said Task.</p> <p>Prior to the commencement of works, the Contractor will submit to the Engineer for approval a <i>Quality Assurance Plan</i> for the team of sapper supervision.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2018 until the end of construction works implementation.</p>
134.	<p><b>Discussing the EMP implementation during working meetings and at Site Councils</b></p> <p>During the <i>Task 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 AND COMPLETED</b></p> <p>The measure was implemented from the 1st quarter of 2019 until the end of construction works implementation.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
135.	<p><b>Reporting on the state of implementation of the EMP in monthly reports</b></p> <p>During the <i>Task implementation period</i>, the Contractor will submit to the Engineer monthly reports on the implementation of the conditions specified in the EMP (in the form of a checklist 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><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2018 until the end of construction works implementation.</p>
136.	<p><b>Providing information on the implementation of the conditions in items 14, 17, 29, 42, 71, 118, 119, 120, 121, 122, 123 and 124 in Appendix 1 of the EMP to RDOŚ in Wrocław</b></p> <p>Information about arrangements referring to the manner and scope of the conducted measures specified in items 14, 17, 29, 42, 71, 118, 119, 120, 121, 122, 123 and 124 (i.e. the selected measures specified in the environmental decision issued by RDOŚ in Wrocław on 09/30/2015, as well as documents confirming the participation of experts (e.g. reports on arrangements and statements of experts confirming the proper conduct of measures)) should be submitted to RDOŚ in Wrocław according to the following rules:</p> <p>a) during the <i>Task implementation period</i> (applies to all the above measures):</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned information to the Engineer within 15 days after making the arrangements and within 15 days after finishing to implement the arrangements;</li> <li>– the Engineer shall submit the above-mentioned information to the Employer within 7 days after receiving the above information from the Contractor;</li> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 7 days after receiving the above information from the Engineer (i.e. with a 30-day deadline for submission of such information to RDOŚ after making the above-mentioned arrangements or after finishing to implement the above-mentioned arrangements).</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 1st quarter of 2019 until the end of the Defects Notification Period.</p>

Item	Mitigation measure listed under Appx. 1 to the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>b) after the end of the <i>Task implementation period</i> (applies to the measures referred to in items 71, 118, 119, 120, 121, 122, 123 and 124):</p> <ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 30 days after making the arrangements and within 30 days after finishing to implement the arrangements.</li> </ul>	
137.	<p><b><i>Provision of information on the scope of use of the permits listed in items 125 and 126 in Appendix 1 of the EMP to RDOŚ in Wrocław</i></b></p> <p>Information on the scope of use of the permits listed in items 125 and 126 (i.e. the permits specified in 2 decisions of RDOŚ in Wrocław of 08/26/2016) should be submitted to RDOŚ in Wrocław according to the following rules:</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned information to the Engineer by December 15, 2020 (or until the end of the <i>Task implementation period</i>, if this is before December 15, 2020);</li> <li>– the Engineer shall submit the above-mentioned information to the Employer within 15 calendar days after receiving the above information from the Contractor (not later however than until December 31, 2020);</li> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław by January 15, 2021.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2020 until the end of construction works implementation.</p>

## Part II. Checklist for implementation of the monitoring measures listed under Appendix 2 to the EMP for Contract 2A.2/1.

Explanations for the checklist presented in Part II

The measures listed under Appendix 2 to the EMP for Contract 2A.2/1 are grouped into 2 thematic categories (marked with letters A.- Y.):

Cat.	Category Name	Item at EMP checklist
A.-X.	Monitoring of implementation of the mitigation measures under Appendix 2 to the EMP	1-137
Y.	Requirements for the implementation of nature monitoring	138-145

The numbers in the column “*Item on EMP checklist*” – from 1 to 145 – stand for the numbers of relevant monitoring measures, according to the numbering in Appendix 2 of the EMP.

The following is given for each of the monitoring measures:

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

Table 2 Checklist for implementation of the monitoring measures listed under Appendix 2 to the EMP for Contract 2A.2/1.

Item	Monitoring measures listed under Appendix 2 of the EMP	Implementation status in reporting period
(1)	(2)	(3)
1-137	<p><b>Monitoring of implementation of the mitigation measures in Appendix 1 to the EMP</b></p> <p>In accordance with the descriptions given in items 1 – 137 in Appendix 2 of the EMP</p> <p><b>Place of monitoring</b> In accordance with the descriptions given in items 1 – 137 in Appendix 2 of the EMP</p> <p><b>Method of monitoring</b> In accordance with the descriptions given in items 1 – 137 in Appendix 2 of the EMP</p> <p><b>Period and frequency of monitoring</b>  In accordance with the descriptions given in items 1 – 137 in Appendix 2 of the EMP</p> <p><b>Monitoring unit</b></p>	<p>Monitoring of the measures was started from the date of the instruction to commence Construction Works (i.e. September 4, 2018) and was continued until the end of the reporting period (i.e. the End of the Defects Notification Period).</p> <p>No problems were identified with the implementation of the monitoring measures.</p>

Item	Monitoring measures listed under Appendix 2 of the EMP	Implementation status in reporting period
(1)	(2)	(3)
	Contractor's Team, Engineer's Team, Employer (in accordance with the descriptions given in items 1 – 137 in Appendix 2 of the EMP)	
<b>Requirements for the implementation of nature monitoring</b>		
138.	<p><b>Monitoring of suspended solids concentration in the Bystrzyca Dusznicka below the work site</b></p> <p>During the <i>Task implementation period</i>, the concentration of suspended solids in the Bystrzyca Dusznicka River should be checked regularly (once every 14 days or more often) at a point located 1 km downstream from the site of the current works.</p> <p>If the concentration of suspended solids exceeds 40 mg/l, an interruption in the works causing an increase in suspended solids concentration shall be implemented, of a duration indicated by the ichthyologist expert (referred to in item 130 in appendix 1 of the EMP) and agreed with the Engineer.</p> <p>[see also item 87 in Appendix 1 of the EMP]</p> <p>—</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. Implementation of the measure was started from the 3rd quarter of 2019 and was continued until the end of the execution period of works.</p>
139.	<p><b>Monitoring of condition of planting trees and bushes, referred to in item no. 118-120 in appendix 1 of the EMP</b></p> <p>For a period of at least 10 years after the reservoir has been put into service (i.e. after issuing the Taking-Over Certificate), annual monitoring and assessment of the condition of planting of the trees and bushes referred to in items 118-120 in appendix 1 of the EMP shall be conducted.</p> <p>In the case of plantings of the natural habitat *91E0 (referred to in item 118 in appendix 1 of the EMP), efforts should be made to achieve the conservation status of FV (adequate).</p> <p>In the case of plantings of the natural habitat *91B0 (referred to in item 119 in appendix 1 of the EMP), efforts should be made to achieve the conservation status of at least U1 (inadequate).</p> <p>If defects are found, they must be replanted with new planting, at a ratio of 1:1 (one new planting for every single defect).</p> <p>Information on the results of the inspection and information on the implementation of the inspection findings should be submitted to RDOŚ in Wrocław according to the following rules:</p> <p>a) during the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned information to the Engineer within 15 days after finishing the inspection and within 15 days after finishing to implement the arrangements resulting from the inspection;</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>The measure was implemented from the 3rd quarter of 2024 and was continued until the End of the Defects Notification Period.</p>



Item	Monitoring measures listed under Appendix 2 of the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<ul style="list-style-type: none"> <li>– the Engineer shall submit the above-mentioned information to the Employer within 7 days after receiving the above information from the Contractor;</li> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 7 days after receiving the above information from the Engineer (i.e. with a 30-day deadline for submission of such information to RDOŚ after finishing the above-mentioned inspection or after finishing to implement the above-mentioned arrangements from the inspection).</li> </ul> <p>b) after the end of the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 30 days after finishing the inspection and within 30 days after finishing to implement the arrangements resulting from the inspection.</li> </ul> <p>–</p>	
140.	<p><b>Monitoring of the conservation status of habitat 3260 in the riverbed of the Bystrzyca Dusznicka</b></p> <p>Until the end of the second, fifth and tenth calendar year after the completion of the construction phase (i.e. after issuing the Taking-Over Certificate), the monitoring of the conservation status of natural habitat 3260 (lowland and foothill rivers with white water-crowfoot communities <i>Ranunculus fluitantis</i>) should be carried out.</p> <p>Monitoring should be carried out in the riverbed of the Bystrzyca Dusznicka, along a 1.65 km section of the riverbed, from the road bridge on the road from Polanica Zdrój to Szalejów Górny to the bridge on the dirt road.</p> <p>Information about arrangements referring to the manner and scope of conducting the above-mentioned measures, as well as documents confirming the participation of experts (e.g. reports on arrangements and statements of experts confirming the proper conduct of measures) should be submitted to RDOŚ in Wrocław according to the following rules:</p> <p>a) during the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned information to the Engineer within 15 days after making the arrangements and within 15 days after finishing to implement the arrangements;</li> <li>– the Engineer shall submit the above-mentioned information to the Employer within 7 days after receiving the above information from the Contractor;</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented in the 2nd quarter of 2025.</p>

Item	Monitoring measures listed under Appendix 2 of the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 7 days after receiving the above information from the Engineer (i.e. with a 30-day deadline for submission of such information to RDOŚ after making the above-mentioned arrangements or after finishing to implement the above-mentioned arrangements).</li> </ul> <p>b) after the end of the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 30 days after making the arrangements and within 30 days after finishing to implement the arrangements.</li> </ul>	
141.	<p><b><i>Monitoring of the technical condition of nesting boxes and platforms for birds, referred to in item no. 121 and 122 in appendix 1 of the EMP</i></b></p> <p>After hanging the nesting boxes and platforms for birds, referred to in item 121 and 122 in appendix 1 of the EMP, these boxes and platforms should be inspected annually to assess their technical condition, with cleaning and any repairs or replacements carried out (as per the conditions given in item 121 and 122 in appendix 1 of the EMP).</p> <p>Information about arrangements referring to the manner and scope of conducting the above-mentioned measures, as well as documents confirming the participation of experts (e.g. reports on arrangements and statements of experts confirming the proper conduct of measures) should be submitted to RDOŚ in Wrocław according to the following rules:</p> <p>a) during the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned information to the Engineer within 15 days after making the arrangements and within 15 days after finishing to implement the arrangements;</li> <li>– the Engineer shall submit the above-mentioned information to the Employer within 7 days after receiving the above information from the Contractor;</li> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 7 days after receiving the above information from the Engineer (i.e. with a 30-day deadline for submission of such information to RDOŚ after making the above-mentioned arrangements or after finishing to implement the above-mentioned arrangements).</li> </ul> <p>b) after the end of the <i>Task implementation period</i>:</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 4th quarter of 2019 and was continued until the end of the Defects Notification Period.</p>

Item	Monitoring measures listed under Appendix 2 of the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 30 days after making the arrangements and within 30 days after finishing to implement the arrangements.</li> </ul>	
142.	<p><b>Monitoring the settlement and technical condition of the eagle owl nesting platform, referred to in item no. 123 of appendix 1 to the EMP</b></p> <p>After installing a nesting platform for eagle owl, referred to in item 123 in appendix 1 of the EMP, the platform should be inspected annually in terms of its colonisation by birds during the breeding period and to assess its technical condition, with making any repairs or replacements (according to the conditions described under item no. 123 of Appendix 1 to the EMP) – 2 inspections annually altogether.</p> <p>Information about arrangements referring to the manner and scope of conducting the above-mentioned measures, as well as documents confirming the participation of experts (e.g. reports on arrangements and statements of experts confirming the proper conduct of measures) should be submitted to RDOŚ in Wrocław according to the following rules:</p> <p>a) during the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned information to the Engineer within 15 days after making the arrangements and within 15 days after finishing to implement the arrangements;</li> <li>– the Engineer shall submit the above-mentioned information to the Employer within 7 days after receiving the above information from the Contractor;</li> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 7 days after receiving the above information from the Engineer (i.e. with a 30-day deadline for submission of such information to RDOŚ after making the above-mentioned arrangements or after finishing to implement the above-mentioned arrangements).</li> </ul> <p>b) after the end of the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 30 days after making the arrangements and within 30 days after finishing to implement the arrangements.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 4th quarter of 2019 and was continued until the end of the Defects Notification Period.</p>

Item	Monitoring measures listed under Appendix 2 of the EMP	Implementation status in reporting period
(1)	(2)	(3)
143.	<p><b>Monitoring of technical condition of bat boxes, referred to in item 124 of Appendix 1 to the EMP</b></p> <p>After hanging the bat boxes referred to in item 124 in appendix 1 of the EMP, these boxes should be inspected annually to assess their technical condition, with cleaning and any repairs or replacements carried out (as per the conditions given in item 124 in appendix 1 of the EMP). Box inspections should begin one year after hanging and should be conducted for a minimum of 5 years, once a year between late July and late August.</p> <p>After 5 years of conducting box inspections, an opinion should be obtained from RDOŚ in Wrocław on whether box inspections can be terminated or need to be continued.</p> <p>Information about arrangements referring to the manner and scope of conducting the above-mentioned measures, as well as documents confirming the participation of experts (e.g. reports on arrangements and statements of experts confirming the proper conduct of measures) should be submitted to RDOŚ in Wrocław according to the following rules:</p> <p>a) during the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned information to the Engineer within 15 days after making the arrangements and within 15 days after finishing to implement the arrangements;</li> <li>– the Engineer shall submit the above-mentioned information to the Employer within 7 days after receiving the above information from the Contractor;</li> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 7 days after receiving the above information from the Engineer (i.e. with a 30-day deadline for submission of such information to RDOŚ after making the above-mentioned arrangements or after finishing to implement the above-mentioned arrangements).</li> </ul> <p>b) after the end of the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 30 days after making the arrangements and within 30 days after finishing to implement the arrangements.</li> </ul>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 4th quarter of 2019 and was continued until the end of the Defects Notification Period.</p>
144.	<p><b>Monitoring of effectiveness of devices supporting the fish migration</b></p> <p>Following the completion of reservoir dam construction (immediately after the end of dam construction and during the trout spawning season), the effectiveness of the fish migration devices (including the adit that guides the waters of the Bystrzyca Dusznicka below the dam body) should be regularly inspected for the upstream and downstream movement of ichthyofauna.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 4th quarter of 2019 and was continued until the end of the Defects Notification Period.</p>

Item	Monitoring measures listed under Appendix 2 of the EMP	Implementation status in reporting period
(1)	(2)	(3)
	<p>A methodology for conducting activities consisting in inspecting the effectiveness of devices supporting the fish migration (prepared by the ichthyologist expert referred to in item 130 in appendix 1 of the EMP) should be submitted to RDOŚ in Wrocław for giving an opinion according to the following rules:</p> <p>a) during the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned methodology to the Engineer no later than 90 days before the planned date of starting the monitoring;</li> <li>– the Engineer shall submit the above-mentioned methodology to the Employer within 15 days after receiving the above-mentioned information from the Contractor;</li> <li>– the Employer shall submit the above-mentioned methodology to RDOŚ in Wrocław within 15 days after receiving the above-mentioned information from the Engineer (i.e. within a deadline for submission of the above methodology to RDOŚ, not later than 60 days before the planned date of starting the monitoring).</li> </ul> <p>b) after the end of the <i>Task implementation period</i> (if this was not done during the <i>Task implementation period</i>):</p> <ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned methodology to RDOŚ in Wrocław no later than 60 days before the planned date of starting the monitoring.</li> </ul> <p>Information about arrangements referring to the manner and scope of conducting the activities consisting in inspecting the effectiveness of devices supporting the fish migration, as well as documents confirming the participation of experts (e.g. reports on arrangements and statements of experts confirming the proper conduct of measures) should be submitted to RDOŚ in Wrocław according to the following rules:</p> <p>a) during the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Contractor shall submit the above-mentioned information to the Engineer within 15 days after making the arrangements and within 15 days after finishing to implement the arrangements;</li> <li>– the Engineer shall submit the above-mentioned information to the Employer within 7 days after receiving the above information from the Contractor;</li> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 7 days after receiving the above information from the Engineer (i.e. with a 30-day deadline for submission of such information to RDOŚ after making the above-mentioned arrangements or after finishing to implement the above-mentioned arrangements).</li> </ul> <p>b) after the end of the <i>Task implementation period</i>:</p> <ul style="list-style-type: none"> <li>– the Employer shall submit the above-mentioned information to RDOŚ in Wrocław within 30 days after making the arrangements and within 30 days after finishing to implement the arrangements.</li> </ul>	

Item	Monitoring measures listed under Appendix 2 of the EMP	Implementation status in reporting period
(1)	(2)	(3)
145.	<p><b>Implementation of monitoring measures</b></p> <p>Implementation of the monitoring measures listed in items 138-144 in appendix 2 of the EMP, during the <i>Task implementation period</i>.</p>	<p><b>IMPLEMENTED AND COMPLETED</b></p> <p>No problems were identified with the implementation of the measure. The measure was implemented from the 4th quarter of 2019 and was continued until the end of the Defects Notification Period.</p>

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

The table below presents a quantitative list of the implementation of the measures listed under Appendix 1 and 2 of the Environmental Management Plan (EMP) for Contract 2A.2/1 within the reporting period.

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

Category	Mitigation measures (items 1 – 137 in Appendix 1 to EMP)		Monitoring measure (items 1 – 145 in Appendix 2 to EMP)	
	quantity	item no.	quantity	item no.
Measures implemented and completed in the reporting period	123	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137	139	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 67, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 145
Measures implemented (required to be continued)	14	38, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76	6	139, 140, 141, 142, 143, 144