

## Appendix 1 – Plan of mitigation measures

This Appendix to the Environmental Management Plan of the *Works Contract 2B.2/1 Flood protection of the Biała Łądecka River valley and Morawa River (passive protection)* presents measures to mitigate negative environmental impacts as guidelines for the Contractor under the aforementioned Contract. The costs and the schedule for the implementation of these measures should be included in the total Bid Price. The Contractor shall cover all costs related to implementation of the EMP, and the Accepted Contract Amount shall include these costs.

The mitigation measures plan will be implemented where necessary taking into account the World Bank's Policy as expressed in the Operational Manual of the Odra-Vistula Flood Management, the World Bank's Operational Policy OP.4.12 and the Land Acquisition Plan and in cooperation with the Plan implementation team. The condition related to the discussion of the implementation of the EMP during working meetings and on Construction Site Meetings (item 98) also applies to the Engineer and PIU.

Explanations of the table in Appendix 1 to the EMP:

- unless otherwise specified in a given case, the *Task Execution Area* means the area of performing any preparatory works, essential works (including Permanent and Temporary Works) and any works related to the removal of defects and faults or the performance of unfinished works listed in the Certificate of Acquisition or revealed during the Defects notification period, together with the areas of necessary temporary activities,
- unless otherwise specified in a given case, the *Task Execution Period* means the period of performing any preparatory works, essential works (including Permanent and Temporary Works) and any works related to the removal of defects and faults or the performance of unfinished works specified in the Take-over Certificate or disclosed in the Defects notification period,
- unless otherwise specified in a given case, the requirements for the Contractor described in the EMP refer to the whole Task Area,
- the activities described in the *General Requirements* section apply to all Sites included in Contract 2B.2/1,
- the activities described in the *Specific requirements* section contain a list of activities for particular Facilities.

Construction area / site means places where Permanent Works are to be carried out, including storage and working places where Equipment and Materials are to be supplied, as well as other places indicated in the Contract as being part of the Construction Site. The terms "construction site" and "construction area" are interchangeable terms and are understood in the Terms and Conditions of the Contract as "Construction Site".

The term Facility refers to individual towns and works within them, i.e. in the case of Contract 2B.2/1: Łądek-Zdrój and Stronie Śląskie.

The conditions described in the Appendix 1 to EMP are grouped into in following subject categories:

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No.	Issue	Location	Mitigation measure	Responsible party
<b>GENERAL REQUIREMENTS</b>				
<b>01 - LOCATION AND LIMITATION REQUIREMENTS FOR TEMPORARY OCCUPATION AND THEIR ORGANIZATION</b>				
1.	Protection of the land surface and landscape	Task implementation area	<p><b>Restriction of land occupancy and land transformations</b></p> <p>In order to limit the occupation and transformation of the land surface during the Task, the following principles should be applied:</p> <ul style="list-style-type: none"> <li>a) the occupation of the land and the transformation of the land surface during all types of work carried out in connection with the Task should be limited to the necessary minimum,</li> <li>b) in the areas adjacent to the area of the Task implementation (permanent and temporary occupations) occupy the areas excluded within the existing communication systems.</li> <li>c) the area of temporary occupations such as: areas for the location of technological and access roads to the construction site, construction site facilities, technological sites and sites for storing construction materials should be limited to the necessary minimum,</li> <li>d) construction site facilities, technological yards and technological roads should be laid with concrete slabs on the ballast.</li> <li>e) detailed location of construction site facilities, roads and technological sites should be determined taking into account the contents of the Land Acquisition Plan,</li> <li>f) location of the piles should be agreed with the team of environmental experts of the Contractor, referred to in item c. The agreement must be submitted to the Engineer for approval before the work is carried out.</li> </ul>	Contractor
2.	Protection of the land surface and landscape	Task implementation area	<p><b>Rules of location of site facilities and service roads and yards</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 and outside the area of habitats and places of occurrence of protected species intended to be preserved in the construction design,</li> </ul>	Contractor

			<p>c) the location of construction site facilities should be agreed in advance with the Contractor's team of environmental experts. The agreement must be submitted to the Engineer for approval before the work is carried out.</p> <p>[conditions a, b item 2.2.20 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p> <p>Conditions a, b item 2.2.20 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	
3.	Protection of the land surface and landscape	Task implementation area	<p><b>Location of places of temporary occupation in relation to the trees and the riverbed</b></p> <p>Technological roads and yards, stopping and parking places for machinery and equipment and storage of earth masses (including humus) and building materials shall be located at a distance of not less than 2 m from the boundary of the crown projection of trees and bushes not intended for felling to protect areas under tree and bush crowns.</p> <p>[condition of item 2.2.25 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p> <p>condition of item 2.2.24 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
4.	Protection of the land surface and landscape	Task implementation area	<p><b>Designation of vehicle service areas</b></p> <p>Places intended for maintenance of vehicles, machines and equipment (including garaging, refueling and technical service yards, etc.) should be <u>only</u> designated on the site facilities and technological yards properly adapted for this purpose.</p>	Contractor
<b>02 - BUY-OUTS AND COMPENSATION REQUIREMENTS</b>				

5.	Property acquisition	Task implementation area	<p><b>Rules relating to temporary occupations</b></p> <p>Temporary occupations will be implemented in accordance with the contents of the Land Acquisition Plan for Task 2B.2/1<sup>1</sup> and the Operational Policy of the World Bank OP. 4.12 The LAP contains a detailed list of activities and procedures related to land acquisition for the implementation of the Task. Activities related to the acquisition of land for the purposes of investment implementation are also carried out in accordance with the procedures set out in the LARPF (Land Acquisition and Resettlement Policy Framework<sup>2</sup>).</p>	Employer, Contractor
6.	Property acquisition	Task implementation area	<p><b>Grievance redress mechanism</b></p> <p>Remarks and reservations to the Land Acquisition Plan, as well as any reservations concerning the Plan implementation are, pursuant to the Polish law, classified as Grievance Rehearsal Mechanism. This mechanism also covers the filing and management of any complaints that may be made in the course of the project by persons and entities affected by any of its impacts (including, but not limited to, property buy-outs, temporary occupations of properties and compensation). This issue was discussed in detail in the POM for the OVFMP Project<sup>3</sup>.</p>	Employer
<b>03 - REQUIREMENTS FOR THE WORKS IMPLEMENTATION SCHEDULE AND EMP IMPLEMENTATION</b>				
7.	Schedule of works	Task implementation area	<p><b>EMP conditions on the schedule of works</b></p> <p>When setting work schedules and at the stage of their implementation, the EMP conditions regarding the dates and time of conducting various types of work should be taken into account:</p> <ul style="list-style-type: none"> <li>a) the optimal date for conducting works within the riverbeds (see item 51);</li> <li>b) permissible period for carrying out works in riverbeds (see item 52);</li> <li>c) period of conducting water temperature measurements during works (see item 53);</li> <li>d) period of conducting suspension concentration measurements during the works (see item 54);</li> </ul>	Engineer Team and Contractor

<sup>1</sup> link to the LAP (document in preparation)

<sup>2</sup> [http://odrapcu2019.odrapcu.pl/doc/OVFMP/Ramowy\\_dokument\\_dotyczacy\\_Przesiedlen\\_i\\_Pozyskiwania\\_Nieruchomosci.pdf](http://odrapcu2019.odrapcu.pl/doc/OVFMP/Ramowy_dokument_dotyczacy_Przesiedlen_i_Pozyskiwania_Nieruchomosci.pdf)

<sup>3</sup> <http://odrapcu2019.odrapcu.pl/>

			<ul style="list-style-type: none"> <li>e) period of conducting works in the case of exceeding the permissible levels of suspended solids concentration (see item 55);</li> <li>f) permissible hours of conducting works in the vicinity of acoustically protected areas (see item 32);</li> <li>g) acceptable dates for removing trees and shrubs (see item 17);</li> <li>h) dates of environmental inspection before felling of trees (see item 18);</li> <li>i) agreeing deadlines for carrying out land reclamation works (see item 16);</li> <li>j) agreeing on the dates of planting of native tree and shrub species (see item 16);</li> <li>k) time intervals for conducting electrofishing of fish and lampreys (see item 64);</li> <li>l) deadlines for reporting the implementation of the EMP (see item 96, 97);</li> </ul>	
8.	Schedule of works	Task implementation on area with access roads and their surroundings	<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 building and equipping the construction site facilities, service roads and sites (see items 1, 2, 3, 4).</li> <li>b) conditions for the road access to the construction site (see items 9, 10);</li> <li>c) conditions concerning quality (pollution) tests of land and river sediments (see items 11, 12);</li> <li>d) the condition for removing and securing the topsoil (see item 14, 15);</li> <li>e) the condition for securing trees and shrubs unintended for removal (felling) (see item 20, 21, 22);</li> <li>f) the condition for the implementation of environmental inventories (see item 58);</li> <li>g) the condition concerning the protection of natural habitat boundaries (see item 66, 67, 68);</li> <li>h) the condition concerning the replanting of protected plant specimens (see item 67);</li> <li>i) the condition for securing the building site against the entry of small animals (see item 61);</li> <li>j) conditions for the development of selected documents (see items 60, 95, 96, 97)</li> <li>k) conditions for documentation of technical condition of buildings and infrastructure facilities (see item 10g, 88);</li> <li>l) the condition for explosive ordnance survey of the site (see item 85);</li> <li>m) the condition for inventory of illegal landfills (see item 44);</li> <li>n) the condition for obtaining the opinion of the conservator of monuments (see item 75);</li> <li>o) the condition for obtaining the Engineer's approval for the appointed person to be EMP co-ordinator and the composition of the team of environmental experts, the team of archaeological experts and the team of sappers (see items 89, 90, 91, 92, 93, 94, 95);</li> <li>p) the condition for training on the guidelines of the EMP implementation (see item 89).</li> </ul>	Engineer Team and Contractor

<b>04 - REQUIREMENTS CONCERNING THE COMMUNICATION SERVICE OF THE TASK IMPLEMENTATION AREA</b>				
9.	Protection of land surface	Task implementation area	<p><b>Designation of access roads to the construction site</b></p> <p>The access roads to the work sites shall first be designated on the basis of existing roads.</p> <p>[condition of item 2.2.20 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.20 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p> <p>If it is not possible to designate the route of access roads to the construction site based on existing roads, the routes should be arranged in advance with the team of environmental experts and submitted to the Engineer for approval.</p>	Contractor
10.	Protection of the land surface and landscape	Task implementation area	<p><b>Conditions of using access roads to the area of task implementation with their surroundings</b></p> <p>The following conditions apply to the use of access roads to the Task area:</p> <ul style="list-style-type: none"> <li>a) The Contractor shall draw up traffic organization plans for the duration of the works, in accordance with the provisions of the Technical Specifications and the requirements of the Road Administrators concerning transport routes and their conditions of use,</li> <li>b) The Contractor shall be obliged to agree with the Road Administrators on the planned roads to be used, traffic organization and work security projects. The Contractor is obliged to carry out traffic organization according to the agreed plans (marking and securing the work area and marking detours and recommended, related to the change of traffic organization, road marking, etc.),</li> <li>c) prior to the works, the Contractor shall submit the traffic organization and works protection designs as well as traffic organization plan agreed with the road Authorities to the Engineer for approval. Depending on the needs and progress of the Works, the traffic organization plans should be updated by the Contractor on an ongoing basis (the updates made require agreement with the Road Administrators and traffic management body),</li> <li>d) in accordance with the applicable law and agreements with the Road Administrators managing roads which will be used by the Contractor, routes will be marked. These markings shall be regularly inspected</li> </ul>	Contractor

			<p>by the Contractor, and in case of destruction or theft, the Contractor shall immediately restore or supplement them,</p> <p>e) the hardened surfaces in the area of the construction site facilities on which road traffic transporting construction materials will take place should be kept in a proper technical condition and clean,</p> <p>f) The Contractor shall be responsible for any damage to structures and buildings, roads, drainage ditches, culverts, water and gas pipelines, poles and power lines, cables, geodesic matrix points and installations of any kind, and other objects such as vertical and horizontal markings, navigational signs, information boards, cultural objects, etc., caused by them or their Subcontractors during the execution of the works. The Contractor is also responsible for restoring the flow capacity of ditches and drainage installations in the area of the works being carried out and the transport routes being used in the event of damage caused by the works and transport related to the works,</p> <p>g) The Contractor is required to prepare the photographic documentation of the whole Task implementation area and access roads, with particular emphasis on the technical condition of the roads and buildings located near the roads for transport of construction materials and directly adjacent to the area of the works implementation,</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 Task implementation area. On this basis, the Contractor shall be obliged to reconstruct the technical condition of the roads prior to the Task implementation period,</p> <p>i) The Contractor shall immediately repair any damage caused at its own expense and, if necessary, carry out other works ordered by the Engineer,</p> <p>The Contractor shall comply with the statutory limits of load per axle when transporting materials and equipment to and from the Task area. They will obtain all necessary permits from the authorities to transport unusual cargo and will continuously notify the Engineer of any such transport.</p>	
<b>05 - REQUIREMENTS FOR THE MANAGEMENT OF SOIL MASSES</b>				
11.	Protection of soils and waters	Task implementation area	<p><b>Management of soils coming from the construction site</b></p> <p>Excess soils created in the course of the construction works should first be managed at the construction site.</p>	Contractor

			<p>Quantities of soil that cannot be managed within the boundaries of the construction site should be managed in accordance with applicable regulations and design documentation.</p> <p>Earth masses found to exceed the permitted concentrations of substances (in accordance with applicable waste management and environmental protection legislation) should be treated as waste and transferred to entities holding appropriate permits for their further management (in accordance with the possible stated pollution level).</p> <p>The method of handling soil and sediments should be presented in <i>the Soil Management Plan</i>, prepared by the Contractor and submitted to the Engineer for approval before the commencement of the earth works.</p> <p>The following issues should be included in <i>the Soil Management Plan</i>:</p> <ul style="list-style-type: none"> <li>a) Determination of the scope of works related to the extraction of sediments from the riverbed,</li> <li>b) Determination of the methodology of soil and sediment testing,</li> <li>c) Technology and method of planned extraction of sediments from the riverbed,</li> <li>d) Description of possible ways of disposing of the extracted material and places of its temporary storage,</li> <li>e) Description of the environmental effects potentially related to sediment extraction,</li> <li>f) Determination of the method of dealing with excavated settlements within the Construction Site, taking into account the minimization of environmental effects,</li> <li>g) Identification of areas which, for environmental reasons (e.g. sites of protected species, natural habitats) cannot be taken up as sites of temporary occupation for the management of excavated sediments, e.g. sites of handling,</li> <li>h) Determination of methods of acceptable further development of the excavated soil, in accordance with the classification of land and sediments on the basis of their quality study.</li> </ul> <p>The method of handling soil classified as waste should be also presented in <i>the Waste Management Plan</i> prepared by the Contractor and submitted to the Engineer for approval before the commencement of works (in accordance with item 43 of App. 1 to EMP).</p>	
12.	Protection of soils and waters	Task implementation area	<p><b><i>Test of the quality (state of pollution) of excavated soil masses (soils and sediments) in the Task implementation area</i></b></p> <p>The Contractor will carry out control tests and determine the quality of earth masses (including sediments in the beds of water courses), in accordance with the regulations in force (in accordance with the Waste Act of December 14, 2012 and the relevant executive acts to the Act), planned to be implemented:</p>	Contractor

			<ul style="list-style-type: none"> <li>management within the boundaries of a building site (including use for construction purposes) or</li> <li>removal outside the boundaries of the construction site.</li> </ul> <p>The purpose of the test is:</p> <ul style="list-style-type: none"> <li>establishing the possibility of using earth masses within the construction site (if the absence of hazardous substances contamination is confirmed);</li> <li>establishing acceptable ways of dealing with contaminated earth masses.</li> </ul> <p>The tests will be carried out by a laboratory accredited for this type of research, approved by the Engineer. Prior to the commencement of the research, the Contractor will present the <i>Soil Management Plan</i> to the Engineer for approval, which will include, among others, the methodology of planned activities.</p>	
13.	Protection of soils and waters	Task implementation area	<p><b>Requirements concerning soils or aggregates from outside of the construction site</b></p> <p>Land (including earth masses) and aggregates used for construction works and coming from outside the construction site should meet the requirements for soil quality standards and earth quality standards (in accordance with the Environmental Protection Law and its implementing legislation), as well as any other applicable laws and standards.</p>	Contractor
<b>06 - PRINCIPLES OF TOP SOIL HANDLING AND RECLAMATION OF LAND SUBJECT TO TEMPORARY OCCUPATIONS</b>				
14.	Protection of the land surface and landscape	Task implementation area	<p><b>Protection of the fertile soil layer (humus)</b></p> <p>Before commencing main levelling works and earthworks from places where the existing layer of topsoil (fertile soil) could be degraded:</p> <ol style="list-style-type: none"> <li>collect the humus and then store it in piles,</li> <li>piles should be formed in a safe manner (the inclination of the slope of the pile should ensure the stability of the pile and safe conditions for work),</li> <li>humus storage sites should be arranged in advance with experts of the Contractor's environmental team and submitted to the Engineer for approval,</li> <li>humus piles should be stored in piles that are protected against damage, driving over, contamination and the possibility of run-off into rivers and streams.</li> </ol>	Contractor

15.	Protection of the land surface and landscape	Task implementation area	<p><b>Protection and use of humus from sites of protected plant species</b></p> <p>The piles of humus originating from sites of protected plant species or areas of natural habitats should be appropriately marked and then used to restore the fertile soil layer in the areas of original occurrence of protected plant species and natural habitats or their immediate vicinity.</p> <p>Within the scope of the above-mentioned activities, the Contractor shall develop a <i>Detailed Quality Assurance Plan</i>, in which it shall specify, among others, the places where humus from protected plant species or natural habitat areas is collected and stored, as well as planned areas for its reuse.</p>	Contractor
16.	Protection of the land surface and landscape	Task implementation area	<p><b>Restoration of the fertile soil layer (humus) and land reclamation</b></p> <p>After the buildings works have been finished:</p> <ul style="list-style-type: none"> <li>a) use humus to recreate the fertile soil layer in the places specified in the project documentation and in the places of temporary occupations,</li> <li>b) treatments facilitating the restoration of green areas should be performed (including seeding with a mixture of native grasses and planting local kinds of trees and shrubs).</li> </ul> <p>The activities described above should be carried out under the supervision of botanist and dendrologist experts, including, but not limited to:</p> <ul style="list-style-type: none"> <li>a) agreeing on precise deadlines for works;</li> <li>b) agreeing on the detailed location of sites for the reuse of humus originating from sites of protected plant species or natural habitat areas,</li> <li>c) agreement of the composition and quantitative proportions of seed mixtures planned for sowing;</li> <li>d) agreement of the composition and quantitative proportions of tree and shrub species planned for planting;</li> <li>e) agreement of conditions for preparation of soil and seedlings;</li> <li>f) agreement of the principles of caring for the recreated green areas;</li> <li>g) <u>submission of the results of the above-mentioned arrangements for the approval of the Engineer;</u></li> <li>h) 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>	Contractor

<b>07 - REQUIREMENTS FOR FELLING, PROTECTING TREES AND SHRUBS</b>				
17.	Protection of greenery and landscape	Task implementation area	<p><b>Periods and rules for felling trees and bushes</b></p> <p>Trees and bushes felling in the period of 1 March to 31 August to be performed under the supervision of the ornithologist expert, who, directly before performing it, will inspect trees and bushes for presence of birds, and if such are found – will indicate the permitted felling performance time. In the remaining period (from 1 September to the end of February), the above-mentioned supervision is not required.</p> <p>[condition of item 2.2.22 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p> <p>condition of item 2.2.21 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
18.	Protection of greenery and landscape	Task implementation area	<p><b>Inspections by environmental experts before felling trees and shrubs</b></p> <p>Trees with a breast height of more than 40 cm should only be felled if they have been inspected in advance by ornithologist, entomologist and chiropterologist experts to ensure that they are not a habitat of protected species of animals - birds, saprophytic beetles, bats. The inspection should be carried out no more than 7 days before the scheduled felling date.</p> <p>If protected animal species are found to be present, the date and conditions of felling should be agreed with the above experts. The felling should be carried out under the supervision of the above-mentioned experts.</p> <p>[condition of item 2.2.23 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p> <p>condition of item 2.2.22 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor

			The Contractor (if necessary - in proportion to the results of the conducted inspection shall obtain necessary permits for derogations from prohibitions in relation to the protected species of animals, issued by in accordance with the Act of 16 April 2004 on environmental protection).	
19.	Protection of greenery and landscape	Task implementation on area	<p><b>Areas of permitted tree and shrub felling</b></p> <p>The scope of felling should include only trees and bushes growing in the areas directly colliding with the project implementation. Do not cut down trees and bushes which do not threaten the construction of regulatory walls and occur outside the boundaries of facilities planned for construction and renovation and outside the areas necessary for occupation due to the performance and technology of works (e.g. necessary technological roads, exits from bank slopes to work sites).</p> <p>In any case, the possibility of removing tall vegetation on one bank only should be considered (ideally on the north-eastern, northern or north-western bank, while trees growing on the south-eastern, south and south-western bank should not be removed as far as possible by land and technology). In addition, the possibility of cutting the tree or removing parts of it instead of the whole tree should be considered each time.</p> <p>[condition of item 2.2.24 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility condition of item 2.2.23 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
20.	Protection of greenery and landscape	Task implementation on area	<p><b>Principles of conducting works within the root volumes of trees and shrubs</b></p> <p>The works conducted within the root systems of trees and bushes perform manually only, according to the following conditions: do not cut the coarse roots, excavations should be carried out not closer than 1.5-2 m from the trunk, minimize the time of exposure of roots to drying.</p> <p>[condition of item 2.2.26 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility condition of item 2.2.25 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor

21.	Protection of greenery and landscape	Task implementation area	<p><b>Prophylactical trimming of boughs and branches exposed to damage</b></p> <p>Boughs and branches not intended for felling– exposed to damage in connection with the performance of works should be cut off prophylactically or trimmed under the supervision of and as recommended by an expert dendrologist, but if possible, those boughs which form shaded zones in the riverbed should be left.</p> <p>[condition of item 2.2.29 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.28 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
22.	Protection of greenery and landscape	Task implementation area	<p><b>Protection of trees exposed to damage</b></p> <p>Prior to commencement of any construction works, the stumps 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). A flexible material (e.g. thick straw mats) should be placed between the boarding and the surface of the tree trunk to prevent abrasion by boarding. The boarding must be fixed to the trunk (e.g. with wire ties or steel tape) in such a way that it does not cause damage to the tree. During the period of the work, the condition of the safety measures should be systematically checked and any damage should be removed. If valuable species of bryophytes and/or lichens are found on the trunk, the trees shall be protected in a way that does not endanger the protected species under the supervision of an appropriate nature supervision expert.</p> <p>[condition of item 2.2.28 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.27 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
23.	Protection of greenery and landscape	Task implementation area	<p><b>Care measures in case of damage to trees and shrubs</b></p> <p>Should any aerial parts of trees or bushes become damaged during the performance of works, appropriate care measures must be taken immediately under the supervision of an expert dendrologist.</p> <p>[condition of item 2.2.30 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p>	Contractor

			condition of item 2.2.29 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]	
24.	Protection of greenery and landscape	Task implementation area	<p><b>Ongoing supervision of the dendrologist expert over the conduct of works</b></p> <p>During the performance of works, ongoing supervision by an expert dendrologist must be ensured, who will determine the detailed handling and protection of trees not intended for felling, whose root system may be exposed to damage as a result of the works carried out.</p> <p>[condition of item 2.2.27 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.26 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
<b>08 - ENVIRONMENTAL POLLUTION AND EMISSION PREVENTION REQUIREMENTS</b>				
25.	Protection of soil and water environment	Task implementation area	<p><b>Prevention and actions related to penetration of contaminants into soil and water environment</b></p> <p>The works are to be implemented in such a way as to eliminate the risk of penetration of any contaminants, in particular oil derivatives, into the soil and water environment.</p> <p>The following rules of conduct must be observed in the case of possible spillage of petroleum substances:</p> <ul style="list-style-type: none"> <li>a) any leakage is to be immediately removed and contaminated soil layers immediately removed and managed in compliance with the applicable legal regulations;</li> <li>b) the sites affected by the spillage of petroleum substances to be restored to their original state.</li> </ul>	Contractor
26.	Protection of soils and waters	Task implementation area	<p><b>Reduction of the spreading of petroleum-based pollutants</b></p> <p>In the case of emissions of petroleum-based pollutants into water, measures must be taken immediately to prevent the spread of the pollutants and to remove the pollutants from the water surface without delay.</p> <p>[condition of item 2.2.2 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p>	Contractor

			condition of item 2.2.2 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]	
27.	Protection of soils and waters	Task implementation area	<p><b>Rules for parking construction and transport equipment</b></p> <p>Machinery and vehicle parking areas shall be adequately protected after the works are completed against the penetration of contamination into the soil and water (in the event of leakage, breakdown of vehicles and machinery), including appropriate sorbent stands</p> <p>[condition of item 2.2.1 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.10.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.1 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
28.	Protection of soils and waters	Task implementation area	<p><b>Protection against pollution of the soil and water environment</b></p> <p>Construction sites' operating backyards, process yards, construction material storage areas should be located on hardened area on area provided with protective measures against spillage of oil derivatives to the soil and water environment. Store oils, greases and other hazardous substances in sealed containers, in a place protected from access by third parties.</p> <p>[condition of item 2.2.6 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.6 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
29.	Protection of soils and waters	Task implementation area	<p><b>Measures to neutralize spills</b></p>	Contractor

			<p>At the construction site (especially in places where vehicles, machines, refueling, maintenance, etc. are operated), the Contractor will provide means to neutralize possible leaks and waste (e.g. hydrophobic sorbents, biopreparations, hydrophobic sorption mats in sheets or rolls, sorption pillows and sleeves).</p> <p>Adequate quantities of these agents (e.g. sorbents), suitable for use on solid surfaces and water surfaces, must be provided.</p>	
30.	Protection of soils and waters	Task implementation on area	<p><b>Having the anti-spill dams on water</b></p> <p>In the area of the Task implementation, it is necessary to ensure an adequate number of anti-spill dams on water, necessary to be used in case of uncontrolled spills of oil derivatives.</p>	Contractor
31.	Air protection	Task implementation on area	<p><b>Reducing emissions of pollutants into the air</b></p> <p>Reduction of dust from construction sites and roads to be implemented through:</p> <ul style="list-style-type: none"> <li>a) systematic cleaning of the construction site,</li> <li>b) spraying dusty road surfaces,</li> <li>c) the use of sealed canvas on vehicles transporting materials that may cause dust during transport;</li> </ul> <p>[conditions a, b, c of item 2.2.8 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>conditions a, b, c of item 2.2.8 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p> <ul style="list-style-type: none"> <li>d) cleaning vehicle wheels before entering the public roads,</li> <li>e) cleaning surface of internal technological roads,</li> <li>f) other actions for prevention of contamination of local roads with sand and mud, moved by vehicles,</li> <li>g) sprinkling of surfaces of internal technological roads.</li> </ul>	Contractor
32.	Protection against noise	Task implementation on area	<p><b>Reducing emissions in the vicinity of acoustically protected areas</b></p>	Contractor

			<p>Works carried out in the vicinity of acoustically protected areas shall only be carried out between 6.00 a.m. and 8 p.m., any exceptions to this rule must be based solely on the technological specifics for the execution of the given type of works and must be related to ensuring the adequate quality of the works.</p> <p>[condition of item 2.2.9 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility condition of item 2.2.9 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	
33.	Protection against noise	Task implementation area	<p><b>Noise reduction through appropriate technologies and work organization</b></p> <p>It is necessary to use the technologies of construction works which are least burdensome in terms of acoustics, maintain good work management, correct equipment operation and ensuring correct technical order;</p>	Contractor
34.	Protection against noise	Task implementation area	<p><b>Protection of local residents against noise</b></p> <p>The Contractor will apply technical solutions ensuring proper acoustic conditions in the vicinity of the existing buildings, and if necessary (including at the Engineer's request) will use portable acoustic screens.</p> <p>Before proceeding with the installation of the acoustic screens, the Contractor will carry out noise measurements, as well as perform them after installation. Prior to the commencement of the implementation of this condition of the EMP, a <i>Detailed Quality Assurance Plan</i> concerning the above-mentioned works should be submitted for approval of the Engineer.</p>	Contractor
35.	Soil, surface water and air protection/noise protection	Task implementation area	<p><b>Ensuring the use of fully operational equipment</b></p> <p>Equipment used for construction work must meet the following conditions:</p> <ol style="list-style-type: none"> <li>be fully operational and meet the requirements for its use;</li> <li>the type and technical condition of the equipment used during construction must ensure protection of the soil, surface water and groundwater against pollution and protection against excessive noise emission to the environment;</li> <li>the technical state of working construction and transportation machines should be checked in order to eliminate the spillage of petroleum hydrocarbons into the ground and water.</li> </ol>	Contractor

36.	Protection of soils and surface waters	Task implementation area	<p><b>Ongoing inspection and repair of equipment</b></p> <p>The necessary repairs and maintenance of the machines in operation must be carried out as required in order to prevent leaks in the hydraulic and fuel systems.</p>	Contractor
37.	Soil, surface water and air protection/noise protection	Task implementation area	<p><b>Use of equipment ensuring sanitary air protection</b></p> <p>The construction equipment and machinery used must meet the following conditions as regards protection of the sanitary condition of the air:</p> <ul style="list-style-type: none"> <li>a) construction machinery should have modern drive units with limited exhaust emissions;</li> <li>b) the level of pollutants emitted by vehicles must not exceed the European standards contained in Directive 98/69/EC (&amp; 2002/80/EC) - EURO IV and Directive 2007/715/EC[13] - EURO V;</li> <li>c) the type and technical condition of the equipment used during construction must ensure protection against exceeding the limit values for dust and gas emissions into the air.</li> </ul>	Contractor
38.	Protection of soils and surface waters	Task implementation area	<p><b>Appropriate storage of materials and equipment</b></p> <p>Store materials and equipment in designated areas, adequately protected from soil and water contamination.</p>	Contractor
39.	Protection of soils and surface waters	Task implementation area	<p><b>Environmentally safe storage of materials and raw materials</b></p> <p>The materials and substances intended for use in the implementation phase shall be stored in separate places, in an environmentally safe manner, in particular the Contractor shall ensure that the following conditions are met:</p> <ul style="list-style-type: none"> <li>a) store materials and raw materials as far away from the riverbed as possible,</li> <li>b) store materials and raw materials in appropriate containers,</li> <li>c) use appropriate and appropriate protection of bulk materials to be used during the construction phase against discharge and excessive dusting,</li> <li>d) in justified cases, roof the surfaces where building materials will be stored, for which there is a risk of substance leaching and their possible infiltration into the ground.</li> </ul>	Contractor
<b>09- REQUIREMENTS CONCERNING HANDLING WASTE</b>				

40.	Protection of the land surface and landscape	Task implementation on area	<p><b>Preventing dusting and dispersing light fractions</b></p> <p>The wastes generated during the implementation of works should be categorized and stored separately in tight containers or at places being enclosed and adapted for this purpose, under conditions which prevent dusting and dispelling light fractions, and their negative effects on the environment.</p> <p>[condition of item 2.2.3 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the LADEK-ZDRÓJ facility</p> <p>condition of item 2.2.3 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
41.	Protection of the land surface and landscape	Task implementation on area	<p><b>Rules for handling hazardous waste</b></p> <p>Segregation and storage of hazardous waste to be conducted in designated sealed containers set up on hardened, marked and secured against access by third parties, until they are handed over to entities authorized to further manage such waste.</p> <p>[condition of item 2.2.4 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the LADEK-ZDRÓJ facility</p> <p>condition of item 2.2.4 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
42.	Protection of the land surface and landscape	Task implementation on area	<p><b>Treatment of waste containing asbestos</b></p> <p>The disposal and transport of wastes containing asbestos shall be carried out only by licensed operators.</p> <p>[condition of item 2.2.5 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the LADEK-ZDRÓJ facility</p> <p>condition of item 2.2.5 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor

			If hazardous waste containing asbestos is found, it should be handled in accordance with the regulations contained in the Regulation of the Minister of Economy, Labor and Social Policy dated 2 April 2004 on methods and conditions for safe use and disposal of asbestos-containing articles (Journal of Laws 2004 No. 71 item 649 as amended)	
43.	Development of a Waste Management Plan	Task implementation on area	<p><b>Development of a Waste Management Plan</b></p> <p>Within 42 days from the date of commencement of the works, the Contractor shall develop and submit to the Engineer for approval a <i>Waste Management Plan</i> related to the execution of the Contract, specifying the method of managing waste, including hazardous waste generated in the course of the works, taking into account, among others, the guidelines for handling waste, included in Appendix 1 to the EMP such as:</p> <ul style="list-style-type: none"> <li>a) Encountered and predicted and volumes of waste,</li> <li>b) Type of waste generated (inter alia, waste from construction, renovation and dismantling of buildings and road infrastructure - including soil from polluted areas, hazardous waste, municipal waste, waste containing asbestos).</li> <li>c) Manners of preventing negative impact of the waste on environment,</li> <li>d) Manners of waste management with taking into account collection, transportation, recover and treatment of waste.</li> </ul>	Contractor
44.	Protection of soils and waters	Task implementation on area	<p><b>Prevention of illegal landfill sites</b></p> <p>Before the commencement of the works, the Contractor shall make a reconnaissance of the area of the Task implementation, with respect to the presence of illegal waste dumps. During the implementation of the Task, the Contractor secures the area of the Task against the occurrence of such dumps.</p>	Contractor
45.	Protection of soils and waters	Task implementation on area	<p><b>Ensuring adequate hygienic conditions within the work areas</b></p> <p>The necessary number of mobile toilets must be provided in the work area and all staff must be trained to maintain adequate hygiene conditions. The performance of the training should be documented, including on the basis of the attendance list.</p>	Contractor
<p><b>10 - REQUIREMENTS RELATING TO THE PREVENTION AND ERADICATION OF INVASIVE PLANT SPECIES</b></p>				

46.	Protection of animate nature and human safety	Task implementation area	<p><b>Disposal of humus and earth masses originating from sites of invasive plant species</b></p> <p>Humus originating from sites of invasive plant species (Sosnowsky's/Mantegazzi hogweed, invasive reynoutria species) should be disposed of outside the work area in a way that does not threaten the expansion of these species in the new location. Humus contaminated by invasive plant species may not be reused for the reclamation of temporary sites.</p> <p>Prior to transporting the soil, including humus containing invasive plant species from the Construction Site, the Contractor shall present the planned method and place of disposal for the Engineer's approval.</p>	Contractor
47.	Protection of animate nature and human safety	Task implementation area	<p><b>Removal of invasive plant species</b></p> <p>In the area where the works are being carried out, the identified specimens of invasive plant species should be removed during the works. The works should be carried out under the ongoing supervision of an expert botanist - phytosociologist who will indicate the most effective method of control for each plant species in a given location.</p> <p>[condition of item 2.2.35 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p> <p>condition of item 2.2.34 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p> <p>Within the scope of the above-mentioned activities, the Contractor shall develop a <i>Detailed Quality Assurance Plan</i>.</p>	Contractor
<b>11 – GENERAL PRINCIPLES OF CARRYING OUT WORKS WITHIN BEDS OF WATERCOURSES</b>				
48.	Protection of the river ecosystem	Task implementation area	<p><b>Organization of works within the riverbed</b></p> <p>Construction and regulatory works in riverbeds and on bank slopes shall be carried out in such a way that the front of works advances with the river current (excluding works in the area of bridges, water intake renovation, works within and in the surrounding of the weir, construction of ramps, fish pass and bypass channel).</p> <p>[condition of item 2.2.7 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor

			condition of item 2.2.7 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]	
49.	Protection of the river ecosystem	Task implementation area	<p><b>Guidelines for technology for carrying out works</b></p> <p>Works shall be carried out with "from the land" technology. It is allowed to carry out works in the riverbed only if it is not possible to carry out works from the bank, in the case of e.g. existing infrastructure, buildings, trees, collisions with the sites of protected species and natural habitats and naturally valuable species of trees.</p> <p>[condition of item 2.2.11 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.11 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
50.	Protection of the river ecosystem	Task implementation area	<p><b>Limitation of suspended matter inflow to river waters</b></p> <p>Limit the duration of conducting the works within the riverbeds and the inflow of suspended matter into the waters.</p> <p>[condition of item 2.2.12 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.12 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
51.	Protection of the river ecosystem	Task implementation area	<p><b>Optimal date for conducting works within the riverbeds</b></p> <p>It is advised to carry out works in riverbeds in the period from 1 June to 30 September (except for the period of spawning and incubation of stream trout eggs and spawning of other fish and lampreys).</p> <p>[condition of item 2.2.13 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.10.2020 for the ŁĄDEK-ZDRÓJ facility</p>	Contractor

			condition of item 2.2.13 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]	
52.	Protection of the river ecosystem	Task implementation area	<p><b>Optimal date for conducting works within the riverbeds</b></p> <p>It is permitted to carry out works in the beds of watercourses in the period from 1 June to the end of February after prior consultation with the ichthyologist responsible for nature supervision. If the ichthyologist identifies spawning grounds, egg incubation sites, shelters for larvae or fry of fish and/or lampreys – in sections of watercourses where ongoing works are planned – follow the ichthyologist's instructions. In the period from 1 March to 31 May, do not carry out works in watercourses.</p> <p>[condition of item 2.2.14 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.14 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
53.	Protection of the river ecosystem	Task implementation area	<p><b>Conducting measurements of water temperature during work periods</b></p> <p>If the water temperature of 18° C is exceeded, it is recommended to stop working until the temperature is lowered. The water temperature should be measured in the sections covered by the works (one measurement point per 500 m of river section), at least once every 3 days, and during the period of high air temperatures (over 25° C) – measurements should be taken daily.</p> <p>[condition of item 2.2.15 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.15 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
54.	Protection of the river ecosystem	Task implementation area	<p><b>Conducting measurements of suspended matter concentration during work periods</b></p> <p>Measure the suspended solids concentration in water on a daily basis.</p>	Contractor

			<p>Measurement points should be located 200 m below the site of the earthworks in the riverbed or on the bank slopes. Measurements should be taken at least 3 hours after the start of works on the given day.</p> <p>[condition of item 2.2.16 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.16 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	
55.	Protection of the river ecosystem	Task implementation area	<p><b>Rules to be followed in the event of an exceedance of the permitted levels of suspended solids</b></p> <p>If a concentration of suspended solids above 40 mg/l is found, works must be stopped. Works can be restarted 3 hours after the suspended solids have fallen below 40 mg/l. If a concentration of suspended solids above 60 mg/l is found, works must be stopped by the end of the day.</p> <p>They can only be restarted after remeasurement and when the suspended solids concentration is below 40 mg/l. It is recommended to use automated suspended solids measuring equipment to obtain readings directly during or after the measurement.</p> <p>[condition of item 2.2.16 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.16 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p> <p>Before proceeding with the above-mentioned activity, the Contractor shall present to the Engineer a Detailed Quality Assurance Plan for the above-mentioned works, where it will be specified, among others, the precise method of conducting measurements, types of equipment planned to be used, etc. It is possible for the Contractor to implement additional actions limiting the spread of suspended solids after they have been included in DQAP and after obtaining Engineer's approval for their implementation.</p>	Contractor
56.	Protection of the river ecosystem	Task implementation area	<p><b>Use of environmentally friendly materials</b></p>	Contractor

			<p>To strengthen slopes and the bottom of the watercourse, use only natural materials as the main building block, i.e. fascine, fascine hurdle, rip-rap. Other materials should be used only to secure bridges and to make elements of the ramps.</p> <p>Use rip-rap of the stone of different sizes for bottom revetment.</p> <p>For structures which are concrete structures (regulatory walls, lying walls), their finish on the visible surface should be made of natural stone.</p> <p>[condition of item 3.3.4 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 3.3.3 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	
57.	Protection of the river ecosystem	Task implementation area	<p><b>No movement or extraction of material from the bottom of riverbeds</b></p> <p>Do not move earth, gravel and stones by pushing them through beds of watercourses. No material can be extracted from the bottom of the beds for the execution of works.</p> <p>[condition of item 2.2.37 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor
<b>12 – ANIMATED NATURE PROTECTION REQUIREMENTS</b>				
58.	General principles of conservation of living resources	Task implementation area	<p><b>Performing a one-off nature inventory</b></p> <p>Before starting the works, a one-off nature inventory (made by the team of environmental experts of the Contractor, referred to in item 91) of the areas planned for temporary and permanent occupations should be made, aimed at:</p> <ul style="list-style-type: none"> <li>a) establishing the current distribution of the patches of natural habitats included in the embankment. I Habitats Directive (Council Directive 92/43/EEC), sites of protected plant, fungi and animal species,</li> <li>b) determining the sites of potential occurrence of such species,</li> <li>c) determining the current location of invasive plant species,</li> </ul>	Contractor

			d) the Contractor shall deliver the results of one-off nature inventory to the Engineer within 21 days from its completion.	
59.	General principles of conservation of living resources	Task implementation area	<p><b>Ongoing inspections of the nature supervision team during the Task implementation period</b></p> <p>The works and other works performed during the Task implementation period should be carried out under current supervision of the Contractor's team of environmental experts (referred to in item 91). These experts should, in accordance with the specialization and type of performed works, inter alia, carry out regular inspections of the entire Task implementation area (at least once a month) and provide their comments and recommendations to the Contractor's personnel responsible for carrying out the works in accordance with the conditions of the EMP.</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 96).</p>	Contractor
60.	Protection of the river ecosystem	Task implementation area	<p><b>Obtaining necessary derogations from prohibitions in relation to protected species</b></p> <p>The Contractor (if necessary - in proportion to the results of the conducted environmental stocktaking referred to in item 58) shall obtain all necessary permits for derogations from prohibitions in relation to the protected species of plants, fungi and animals, issued by in accordance with the Act of 16 April 2004 on environmental protection). The draft of the application for a derogation from the prohibitions applicable to protected species of plants, fungi and animals shall be submitted by the Contractor in advance to the Engineer for approval.</p> <p>In the case of obtaining the relevant permits, the Contractor shall perform the activities specified in the administrative decisions and prepare the required reports on their implementation, according to their content. The reports shall be submitted to the Engineer 30 days before the date of their submission to the licensing authority.</p>	Contractor
61.	General principles of conservation of living resources	Task implementation area	<p><b>Reduction of incidental animal mortality</b></p> <p>In order to reduce the incidental mortality of animals within the Task Area the following principles should be implemented:</p> <p>a) during the works, the presence of pits with steep edges, into which small animals could fall, should be kept to a minimum. If they arise, they should be checked regularly (at least once every day) for the presence of animals (checks by a herpetologist and mammalogist expert). Release the trapped animals to places where they will not be threatened,</p>	Contractor

			<ul style="list-style-type: none"> <li>b) Before backfilling the ditches, check for the presence/absence of animals, and accidentally catch them in the ditches and release them to the nearest safe place,</li> <li>c) use protection of wells, excavations, collectors, etc. against the possibility of small mammals, amphibians and reptiles falling into them. In the event of animals entering these facilities, they should be constructed in such a way as to allow the animals to get out by themselves,</li> <li>d) in cases where animals trapped in the above-mentioned facilities cannot get out by themselves, they must be safely pulled out and moved outside the work area,</li> <li>e) the transfer of animals should be carried out under the supervision of a herpetologist or mammalogist expert, a team of naturalists of the Contractor, experienced in dealing with such cases.</li> </ul>	
62.	General principles of conservation of living resources	Task implementation area	<p><b>Taking into account the conditions resulting from the existence of protected areas</b></p> <p>During the construction works, the Contractor is obliged to observe the standards, prohibitions and indications and to respect the restrictions resulting from the existence of areas and objects created on the basis of the Nature Protection Act.</p>	Contractor
63.	Protection of the river ecosystem	Task implementation area	<p><b>Notification of the expert ichthyologist in case of danger to fish</b></p> <p>If dead fish or such showing the signs of hypoxia (movement impairments - swimming on the side) are observed in the river in the area of the works carried out, it is absolutely necessary to stop the works and immediately inform the expert ichthyologist about this fact.</p> <p>[condition of item 2.2.17 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility condition of item 2.2.17 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
64.	Protection of ichthyofauna	Task implementation area	<p><b>Advance catching of fish and lampreys from working areas</b></p> <p>In the sections intended for the construction of a temporary cofferdam in the riverbed, immediately after fencing off the work zone (before the water is pumped out), the following should be done under the supervision of an ichthyologist:</p> <ul style="list-style-type: none"> <li>a) fish and lampreys should be caught (by means of a three-fold follow-up electrofishing carried out at 1-hour intervals),</li> </ul>	Contractor

			<p>b) during electrofishing, special attention be paid to catching larvae of European Brook Lamprey <i>Lampetra planeri</i> from the outwashes of silt and detritus inhabited by them and specimens of European Bullhead <i>Cottus gobio</i> and Alpine Bullhead <i>Cottus poecilopus</i>, which use hiding places under rocks and in the patches of dense water vegetation.</p> <p>c) collect also the larger invertebrates observed during catching,</p> <p>d) the caught organisms shall be transferred to another part of the bed, outside the area of works in the river's upstream region. The transport should take place as soon as possible (after each of the repeated electrofishing), in suitable containers with aerated water or foil sleeves with water and oxygen and at the lowest possible temperature</p> <p>e) the same catching of fish and lampreys should be made immediately prior to the start of works on the sections where the removal of mud and gravel outwashes is foreseen,</p> <p>f) fish and lampreys should be caught (by means of a three-fold follow-up electrofishing method carried out at intervals of 1 hour) immediately before the start of works within the riverbed in the area up to 50 m above and below the planned works consisting in the reconstruction of sills, barrages and weirs into ramps,</p> <p>If foreign species are found, listed in the Regulation of the Minister of the Environment of 9 September 2011 on the list of plants and animals of foreign species which, if released to the environment, may threaten native species or natural habitats (Journal of Laws of 2011, No. 210, item 1260) - e.g. Topmouth Gudgeon <i>Pseudorasbora parva</i> - they must not be reintroduced into the river (they should be humanely killed)</p> <p>[condition of item 2.2.18, 2.2.19 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.18, 2.2.19 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLAŃSKIE facility]</p> <p>The measures shall be carried out with the participation and under constant supervision of an expert ichthyologist. Before proceeding with the above-mentioned activity, the Contractor shall develop and submit to the Engineer a Detailed Quality Assurance Plan in this scope.</p>	
65.	Protection of ichthyofauna	Task implementation area	<p><b>Elimination of foreign and invasive fish species</b></p> <p>If foreign species are found (when conducting fishing) listed in the <i>Regulation of the Minister of the Environment of 9 September 2011 on the list of plants and animals of foreign species which, if released to the environment, may threaten native species or natural habitats (JoL 2011, No. 210, item 1260)</i> – e.g. Topmouth Gudgeon <i>Pseudorasbora parva</i> – they must not be reintroduced into the river (they should be humanely killed).</p>	Contractor

			<p>[condition of item 2.2.18 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.18 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p> <p>The measures shall be carried out with the participation and under constant supervision of an expert ichthyologist.</p>	
66.	Protection of animated nature	Task implementation area	<p><b>Securing nature habitat patches</b></p> <p>The patches of natural habitats existing in the areas adjacent to work areas, but not intended to be removed (in accordance with the design documentation) should be visibly marked and effectively protected against damage under the supervision of an expert phytosociologist (before the commencement of works).</p> <p>[condition of item 2.2.31 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.30 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
67.	Protection of animated nature	Task implementation area	<p><b>Marking of patches of the natural habitat 3260</b></p> <p>Prior to the commencement of the works on the watercourse, protect against damage by appropriate marking of the patches of the natural habitat 3260 Lowland and foothill rivers with white water-crowfoot communities <i>Ranunculion fluitantis</i> or – after obtaining the relevant permit, transferring the plants forming the habitat to a section of the watercourse which will not be covered by the works. The works should be performed under the supervision of a botanist – phytosociologist.</p> <p>[condition of item 2.2.36 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.36 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
68.	Protection of animated nature	Task implementation area	<p><b>Advance control of facilities for presence of birds and bats</b></p> <p>Immediately before starting works within the existing retaining walls, footbridges and bridges, these facilities should be inspected for bird nests and bat shelters. In case of finding bird nests and bat shelters within the objects</p>	Contractor

			<p>to be covered by the works, the works should be carried out according to the recommendations and under the current supervision of an expert ornithologist and/or chiropterologist.</p> <p>[condition of item 2.2.32 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.31 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	
69.	Protection of animated nature	Task implementation area	<p><b>Protection of amphibian migration sites</b></p> <p>If new amphibian migration sites are identified during the period and in the areas of performing the works, such areas should be adequately protected to reduce the mortality of amphibians that may result from the works. Safeguards shall include the installation of herpetological hurdles, regular inspection of amphibian trapping containers to be installed along the hurdles and the movement of individuals of amphibians out of work sites into areas with suitable habitat conditions. The works shall be carried out under the supervision of an expert herpetologist.</p> <p>[condition of item 2.2.33 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.32 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
70.	Protection of animated nature	Task implementation area - retaining walls covered by renovation and reconstruction, construction sections of	<p><b>Providing retaining walls with nesting niches for birds</b></p> <p>In the renovated and new retaining walls, leave horizontal niches with square-shaped inlet dimensions of 11 x 11 cm and a depth of up to 25 cm, at a height of about 1– 2 m above the average water level (depending on the wall height), not less than 0.3 m from the upper edge of the wall. Make no less than 40 such niches over the entire working area, distributed as evenly as possible. The works shall be carried out under the supervision of an ornithologist.</p> <p>[condition of item 3.3.1 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 3.3.1 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor

		new retaining walls		
71.	Protection of the river ecosystem	Task implementation area	<p><b>Prohibition of the use reinforcements presenting a risk to animals</b></p> <p>Do not use gabion mattresses or baskets.</p> <p>[condition of item 3.3.5 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p> <p>condition of item 3.3.4 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
72.	Protection of the river ecosystem	Task implementation area	<p><b>Creation of microhabitats for fish in the riverbed</b></p> <p>Do not remove boulders or stones from the watercourse bed. In the regulated, homogeneous parts of the riverbed, solutions should be introduced to increase the diversity of habitats, e.g. introduce boulders and large stones with a diameter of 30-50 cm in groups of 3-5 pcs, serving as shelters for fish.</p> <p>[condition of item 3.3.6 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p> <p>condition of item 3.3.5 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
<b>13 - REQUIREMENTS CONCERNING THE PROTECTION OF CULTURAL MONUMENTS</b>				

73.	Protection of archaeological values	Task implementation area	<p><b>Measures within discovered archaeological sites.</b></p> <p>For the whole period of performance of the Task, the Contractor shall ensure the participation of a team of expert archaeologists (archaeological supervision).</p> <p>The actions of the archaeological team serve the appropriate protection and removal of valuable objects and other elements of historical value from the working site and will enable the performance of specific works.</p> <p>Depending on the needs, a team of archaeological experts can consist of one or more people with the appropriate professional licenses. The composition of the archaeological expert team requires the approval of the Engineer. Prior to the commencement of the works, the Contractor shall submit for the approval of the Engineer a <i>Detailed Quality Assurance Plan</i> for the activities of the archaeological expert team.</p>	Contractor
74.	General arrangements for the protection of cultural heritage and monuments	Task implementation area	<p><b>Rules of conduct in case of discovery of movable monuments or archaeological sites</b></p> <p>If during construction works or earthworks the Contractor discovers an object likely to be a historical object, he/she is obliged to suspend all the works which could damage or destroy discovered object; furthermore, such a person is obliged to secure the object with available protective measures as well as a discovery site; in addition, this person is obliged to notify the Voivodeship Conservator of Historical Monuments, and if not possible, the relevant mayor. The Contractor shall simultaneously notify the Engineer in this respect,</p>	Contractor
75.	General arrangements for the protection of cultural heritage and monuments	Task implementation area	<p><b>Obtaining permission from the Voivodeship Monument Conservator</b></p> <p>For the purpose of implementing the above measures specified in item 74 and 75 related with protection of cultural heritage and monuments, the Contractor, if so needed, will also obtain, under an authorization granted by Employer, the permit of the Voivodeship Monument Conservator (VMC) for the performance of archaeological rescue survey.</p>	Contractor
<p><b>14 - HUMAN HEALTH AND SAFETY REQUIREMENTS</b></p>				

76.	Protection of human health and safety	Task implementation area	<p><b>Appropriate storage of building materials</b></p> <p>Materials used for construction work should be stored in a way that protects them from damage and does not endanger the safety of the environment, people and property.</p>	Contractor
77.	Protection of human health and safety	Task implementation area	<p><b>Ensuring safety conditions during the works</b></p> <p>Machinery, appliances and other equipment must be operated in such a way as not to endanger the safety of the environment for people and property, and to preclude the possibility of the machinery and equipment overturning, sliding or rolling over.</p>	Contractor
78.	Protection of human health and safety	Task implementation area	<p><b>Ensuring human health and safety, including fire protection</b></p> <p>The contractor will develop the HASP plan, obtain the approval of its contents by the Engineer, and then carry out the works according to the provisions of the HASP plan.</p> <p>The fire protection requirements included in the HASP should also include a ban on burning fires and burning flammable materials within the Task area.</p>	Contractor
79.	Protection of human health and safety	Task implementation area	<p><b>Development of documents related to the security of people, property and environment in the area of Task implementation</b></p> <ul style="list-style-type: none"> <li>a) Due to the risk of flooding, the Contractor will develop and submit for the Engineer's approval a document entitled: <i>Flood protection plan for the construction site</i>, which will take into account the local hydrological and meteorological conditions around the construction site. In the event of a flood, the Contractor shall follow the procedures described in the above document,</li> <li>b) The Contractor will develop and submit for the Engineer's approval a document entitled: <i>A project for the organization of the construction site</i>, which will include such elements as: location of the construction site, development of the construction site, securing the construction site, technological roads, environmental protection at the construction site,</li> <li>c) The Contractor will develop and submit for the Engineer's approval a document entitled: <i>A quality assurance plan</i> which will include, among other things, elements such as: organization of the execution</li> </ul>	Contractor

			<p>of works, organization of traffic on the site with marking of works, health and safety and environmental protection, list of working teams, responsibilities of key personnel, quality control, laboratory tests,</p> <p>d) The Contractor will develop and submit for the Engineer's approval a document entitled: <i>A plan for dealing with uncontrolled emissions (leakage) of petroleum products</i>, which should include, inter alia, elements on how to deal with spillage of chemical and petroleum products,</p> <p>e) The Contractor will develop and submit for the Engineer's approval a document entitled: <i>ESHS Management Strategies and Implementation Plans (management strategies and implementation plans for environmental, social, health and safety risks)</i>, which includes, among others, elements such as: description of actions taken to manage risks, description of materials, equipment used, description of management processes, etc., which will be carried out by the Contractor and its subcontractors in order to minimize risks,</p> <p>f) ES Code of Conduct for Contractor's Staff (Code of Conduct ensuring implementation of measures to address environmental and social risks related to the implementation of the Task, including the risk of sexual exploitation, sexual abuse and sexual harassment), which includes, among others, the obligations of the Contractor, in particular with respect to environmental protection, social matters, health and safety.</p>	
80.	Protection of human health and safety.	Task implementation area	<p><b>Rules on notification of crisis situations</b></p> <p>In case of an emergency situation (other than flooding), accident, major breakdown, etc., the Contractor is obliged to take the following actions:</p> <p>a) immediately notify the relevant services (Fire Brigade, Ambulance, Police, etc.);</p> <p>b) until arrival of the relevant services, carry out the necessary measures to reduce the risk of loss of staff, property and the environment (as far as possible agreed with the relevant services);</p> <p>c) notify the Engineer and the Employer;</p> <p>d) upon arrival of the relevant services, strictly follow their recommendations and instructions.</p>	Contractor
81.	Protection of human health and safety	Task implementation area	<p><b>Designation and appropriate marking of danger zones</b></p> <p>Within the area of Task implementation, the Contractor is obliged to designate hazardous areas that pose a threat to human health and life, and mark these areas with warning signs and additionally protect them against unauthorized access.</p>	Contractor

82.	Protection of human health and safety	Task implementation area	<p><b>Requirement of proper protection and marking of the work area</b></p> <p>The Contractor is obliged to secure and mark the construction site. The Health and Safety Contractor's experts shall be responsible for ensuring that the construction site is properly marked in accordance with applicable law. The marking shall be checked regularly, and in case of damage or theft of the marking, the Contractor shall immediately reconstruct or supplement it.</p>	Contractor
83.	Protection of human health and safety	Task implementation area	<p><b>Ensuring adequate visibility conditions</b></p> <p>In case of necessity to carry out works after dark and in conditions of limited visibility, the Contractor will provide lighting sources allowing to obtain appropriate light intensity for working conditions.</p> <p>The Contractor shall ensure constant conditions of day and night visibility of safety elements and marking of the construction site - barriers and signs, for which it is indispensable for safety reasons.</p>	Contractor
84.	Protection of human health and safety	Task implementation area	<p><b>Principles of HIV-AIDS and other infectious diseases, including for example COVID 19 prevention</b></p> <p>The Contractor, through an approved service provider, will conduct training and implement an HIV-AIDS awareness program and take all other measures to reduce the risk of HIV transmission between and among the Contractor's staff and the local community.</p> <p>These actions should be performed in accordance with the conditions specified in the Contract <i>Bidding Documentation</i> (Part <i>General Conditions</i>, clause 6.7). Training will also cover other infectious diseases (e.g. COVID 19).</p>	Contractor
85.	Protection of human health and safety	Task implementation area	<p><b>Sapper 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 Task area, the Contractor shall provide:</p> <ol style="list-style-type: none"> <li>a) before the commencement of the works - carrying out the reconnaissance of the Task implementation areas in terms of the presence of unexploded ordnance (the report with the results of the above-mentioned shovel reconnaissance should be submitted to the Engineer),</li> </ol>	Contractor

			<p>b) in the course of earthworks - sapper's supervision over the works (carried out by the team of sapper's supervision of the Contractor), consisting in current checking and clearing the area of the Task from dangerous objects of military origin together with their disposal;</p> <p>c) if hazardous military objects are found on the Task implementation area – apply the procedures described in item 86.</p>	
86.	Protection of human health and safety	Task implementation area	<p><b>Rules for handling unexploded ordnance</b></p> <p>In case of finding a unexploded munitions or unexploded ordnance, it is necessary:</p> <p>a) stop working immediately,</p> <p>b) evacuate persons and equipment from the area around the find and protect against unauthorized access,</p> <p>c) immediately notify the sapper supervisor and the Police and follow their instructions,</p> <p>d) notify the Engineer and the Employer,</p> <p>e) unexploded ordnance found must not be categorically lifted, dug up, buried, transferred, thrown into fire or water, etc.</p>	Contractor
87.	Protection of human health and safety	Task implementation area	<p><b>Rules of conduct in the event of occurrence of flood waters and floods</b></p> <p>a) a Flood Protection Plan for the Construction Site in case of flooding should be drawn up,</p> <p>b) the construction facilities should be located:</p> <ul style="list-style-type: none"> <li>• beyond the reach of the flood waters with probability of 10%, (so-called ten-year water);</li> <li>• at a distance of not less than 50 m from waters and wetlands (applies to construction site facilities),</li> </ul> <p>c) construction site Flood Prevention Committee should be established, composed of engineering and technical personnel,</p> <p>d) constant monitoring of information on water levels and rainfall forecasts should be carried out,</p> <p>e) a permanent assessment of the state of flood protection in relation to the existing construction site should be carried out and the organizational readiness, means and equipment for flood protection of workers, the site and construction facilities should be monitored,</p>	Contractor

			f) in the case of forecast high water levels in rivers and streams, the construction site must be protected from the negative effects of surface water flow and people, equipment and materials must be evacuated according to the extent of the hazard.	
<b>15 – REQUIREMENTS FOR PROTECTION OF BUILDINGS AGAINST NOISE AND VIBRATION</b>				
88.	Protection of human health and safety	Task implementation on area with the surroundings	<p><b>Documentation of technical condition of the buildings exposed to vibrations.</b></p> <p>Prior to commencing the works, during which vibrations may occur that threaten the surrounding residents and nearby buildings and infrastructure facilities, the Contractor shall carry out an inventory of the zero status of existing buildings and facilities, with particular emphasis on cracks and damage.</p> <p>During the performance of the aforementioned works, the Contractor will monitor the condition of these buildings and facilities on a regular basis (not less frequently than once a week), while at the same time complying with the noise protection requirements (see items 32, 33, 34, 35, 37).</p> <p>The Contractor is obliged to present the results of the inventory of the zero status of buildings and infrastructure objects in the form of photographic documentation (see item 10 g).</p>	Contractor
<b>16 - REQUIREMENTS FOR THE CONTRACTOR'S PERSONNEL INVOLVED IN THE IMPLEMENTATION OF THE EMP</b>				
89.	Implementation and reporting of the implementation of an EMP	Task implementation on area	<p><b>The staff of the Contractor was trained in the scope of the implementation of EMP</b></p> <p>The Contractor is responsible for conducting the training (completed with a test verifying the knowledge of participants) on the rules and conditions of the EMP and the protective indications during construction for his managerial and engineering and construction supervision staff, which they should prepare with the help of his team of environmental experts. Employees of the Contractor who will deal with fuels and other oil-derivative and other substances harmful to health and the environment should be trained in the principles of protection of the soil and water environment and the use of measures to protect it, including the use of sorbents.</p>	Contractor

			In monthly reports submitted to the Engineer, the Contractor will provide information on the state of training of the Contractor's personnel in the conditions of the EMP in the current reporting period.	
90.	Implementation and reporting of the implementation of the EMP	Task implementation area	<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. The duties of this person will include:</p> <ul style="list-style-type: none"> <li>a) supervision over the implementation of particular conditions of the EMP in subsequent stages of the Task implementation;</li> <li>b) ongoing monitoring of the state of implementation of particular conditions from Appendixes 1 and 2 of the EMP in the area of Task implementation;</li> <li>c) informing the management of the Contractor's team on a current basis about the obligations resulting from the EMP at a given stage of works, as well as about problems in the implementation of the EMP;</li> <li>d) cooperation with the remaining part of the Contractor's team (including the team of nature experts team, the team of expert archaeologists of the Contractor, the team of supervisors of the Contractor's sapper, specialists for health and safety at work supervision) in order to ensure proper implementation of the EMP;</li> <li>e) reporting on the implementation of the EMP;</li> <li>f) cooperation with persons responsible for the implementation of the EMP in the Engineer's and Employer's team;</li> </ul> <p>Engagement of the above-mentioned expert within works concerning other tasks of OVFMP or in any other ventures may not limit their availability for the said Task. The person appointed to perform the aforementioned function requires the approval of the Engineer.</p>	Contractor
91.	Protection of animated resources of nature	Task implementation area	<p><b>Ongoing nature supervision at the stage of works implementation</b></p> <p>Works to be carried out under the current nature supervision of the following experts: phytosociologist/botanist (protected natural habitats and protected species of plants, including aphids), dendrologist (principles of care and protection of trees), entomologist (protected species of invertebrates, macrozoobenthos), ichthyologist (fish and lampreys), herpetologist (amphibians and reptiles), ornithologist (birds), chiropterologist (bats), theriologist (mammals other than bats).</p>	Contractor

			<p>[condition of item 2.2.10 of the environmental decision ref.: WOOS.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility</p> <p>condition of item 2.2.10 of the environmental decision ref.: WOOS.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p> <p>These experts will be involved in the implementation of selected mitigation and monitoring actions identified in the EMP, in particular:</p> <ul style="list-style-type: none"> <li>a) mitigation measures mentioned in the Appendix 1 to EMP,</li> <li>b) monitoring measures mentioned in the Appendix 2 to EMP.</li> </ul> <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. The personnel composition of the Contractor's nature supervision team requires the approval of the Engineer.</p> <p>One member of the team of environmental experts may combine at most two nature specializations.</p>	
92.	Implementation of EMP	Task implementation area	<p><b>Ensuring the archaeologists experts team</b></p> <p>Throughout the whole period of the Task implementation, the Contractor will ensure the participation of a team of archaeological experts. These experts will be involved in the implementation of selected mitigation measures identified in the EMP. The members of the archaeologists' expert team must have the appropriate professional qualifications. The composition of the archaeological expert team requires the approval of the Engineer.</p> <p>Prior to the commencement of the works, the Contractor shall submit for the approval of the Engineer <i>a Quality Assurance Plan</i> for the activities of the archaeological expert team.</p>	Contractor
93.	Implementation of EMP	Task implementation area	<p><b>Providing a team of OSH experts</b></p> <p>Throughout the whole Task implementation period the Contractor shall ensure the participation of OSH experts. These experts are involved in the day-to-day supervision, implementation and control of compliance with regulations and rules relating to health and safety at work. The members of the occupational health and safety expert team must have appropriate industry qualifications, in accordance with Polish labor law. The composition of the team of health and safety experts requires the approval of the Engineer.</p>	Contractor

			Before starting the works, the Contractor shall submit for approval of the Engineer a <i>Quality Assurance Plan</i> for the activities of the team of OSH experts. Before starting the work, the Contractor's health and safety supervision will conduct a dedicated training for the Contractor's staff in the field of work safety and accident hazard during the Task.	
94.	Implementation of EMP	Task implementation area	<p><b>Providing a sapper's supervision team</b></p> <p>Throughout the entire Task implementation period, the Contractor shall ensure the participation of the sapper's supervision team. This team will be involved in the implementation of selected mitigation actions identified in the EMP. The experts of the sapper's supervision team must have appropriate industry qualifications. The personnel composition of the sapper's supervision team requires the approval of the Engineer.</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 team of sapper's supervision experts.</p>	Contractor
95.	Implementation of EMP	Task implementation area	<p><b>Reports of the Contractor's team of environmental experts</b></p> <p>The team of environmental experts of the Contractor shall conduct reporting including:</p> <ul style="list-style-type: none"> <li>a) preparing periodic reports (monthly, quarterly and final report) on the implementation of the conditions specified in the EMP;</li> <li>b) monthly reports will be submitted in the form of a checklist with the necessary attachments, including reports on the implementation of environmental supervision;</li> <li>c) possibly other reports and reports related to the implementation of activities specified in the EMP recommended by the Engineer.</li> </ul>	Contractor
<b>17 – REQUIREMENTS FOR REPORTING ON THE IMPLEMENTATION OF THE EMP</b>				
96.	Implementation of EMP	Task implementation area	<p><b>Reporting on the state of implementation of the EMP in monthly reports</b></p> <p>During the Task implementation period, 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). The template of the above report (checklist) requires the approval of the Engineer.</p>	Contractor

			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.	
97.	Periodic meetings on the implementation of mitigation actions and monitoring	Office of the Contractor/ Engineer's office/Employer's office	<p><b>Discussing the implementation of the EMP during working meetings and on Construction Councils</b></p> <p>During the period of implementation of the tasks resulting from the EMP, monthly meetings of the PIU, Engineer and Contractor teams will be held in order to discuss and control the implementation of mitigation and monitoring actions.</p> <p>Minutes from the meetings on the implementation of the EMP will be prepared by an environmental expert in the Engineer's Team. The minutes will be submitted to the PIO and the Contractor and will constitute an appendix to the Engineer's monthly report on the implementation of the activities specified in the EMP.</p> <p>Regardless of the above, the current requirements and problems related to the implementation of the PAS will be discussed during Construction Site Meetings.</p>	PIO (Employer), Engineer Team and Contractor (at least - EMP Coordinator, Site Manager)
<b>18 – SPECIFIC REQUIREMENTS OF THE ES POLICIES OF THE WORLD BANK</b>				
98.	Protection of human health and safety. Water protection. Protection of natural resources.	Task implementation area	<p><b>ES Code of Conduct</b></p> <p>The Contractor shall take all necessary measures to ensure that the Contractor's personnel are informed about the ES Code of Conduct submitted with the tender and described in point 6.13 of the text of the EMP, including specific prohibited behaviors, and that they understand the consequences of engaging in such prohibited behaviors.</p> <p>The Contractor shall also ensure that the ES Code of Conduct is visibly presented in the locations of the Contractor's staff.</p> <p>This condition applies to the Contractor and its staff, regardless of the legal form of cooperation and Subcontractors and their staff respectively.</p>	Contractor
99.	Protection of human health and safety.	Task implementation area	<p><b>Prevention of sexual harassment and mobbing</b></p>	Contractor

			The Contractor is obliged to provide such conditions during the performance of the Contract in order to prevent mobbing and sexual harassment of its staff and Subcontractors, as well as other persons (both related to the performance of the Contract and outsiders).	
100.	Protection of human health and safety.	Task implementation area	<p><b>Raising awareness on combating sexual harassment and mobbing</b></p> <p>The Contractor, through an approved and qualified service provider, will conduct training and implement an awareness-raising programme to combat sexual harassment and mobbing. These activities will be carried out during the entire term of the Contract including the period of reporting defects at least every second month. These will take the form of information, education and awareness-raising campaigns.</p>	Contractor
101.	Protection of human health and safety.	Task implementation area	<p><b>Reporting of sexual harassment and mobbing</b></p> <p>It is the Contractor's duty to inform the Consultant immediately of all reported cases and suspicions of sexual harassment and mobbing. All cases of reported and suspected sexual harassment and mobbing should be entered in the register of complaints and requests kept by the Contractor. In the case of harassment or sexual harassment, it is the duty of the Contractor to take actions aimed at immediate termination of such conduct and to draw all legal consequences for the perpetrators of such conduct. The Contractor is also obliged to provide all necessary assistance and support to victims of these behaviors.</p>	Contractor
102.	Protection of human health and safety.	Task implementation area	<p><b>Ensuring the possibility of complaints and requests by the staff employed to carry out the Task</b></p> <p>The Contractor will inform all persons employed on the construction site about the possibility of lodging complaints about working and pay conditions and will deliver an information leaflet with the necessary information about lodging complaints and requests, in which it will ensure that there are no repercussions for the person lodging the problem. The Contractor will keep a register of complaints and requests. The content of the leaflet and the format of the register will be agreed with the Consultant.</p>	Contractor

103.	Protection of human health and safety.	Task implementation area	<p><b>Ensuring accident-free working conditions</b></p> <p>The Contractor shall ensure in the area of Task execution and outside the area of Task execution (during activities related to Task execution, e.g. during transport) such conditions as to prevent accidents involving persons connected with Contract execution, including Contractor's staff, Engineer, Employer, Subcontractors, etc., and third parties.</p> <p>In the event of such accidents, it is necessary:</p> <ul style="list-style-type: none"> <li>• ensure proper treatment of the victim without delay;</li> <li>• secure the scene;</li> <li>• inform the Engineer as soon as possible about the event and how the Contractor will react to the event;</li> <li>• notify the relevant services and allow them to reach the scene.</li> </ul>	Contractor
104.	Protection of human health and safety.	Task implementation area	<p><b>Conditions of employment of juvenile workers</b></p> <p>In connection with the performance of the Contract, the Contractor may employ only such a juvenile employee who is at least 15 years old, has completed at least eight years of primary school and has presented a medical certificate stating that the work of a given type does not threaten their health.</p> <p>The minimum age for a worker participating in construction and other works involving risks to human health and safety is 18 years.</p>	Contractor
105.	Protection of human health and safety.	Task implementation area	<p><b>OH&amp;S of the Contractor</b></p> <p>The Contractor, during the Task implementation period, will ensure constant health and safety supervision. The scope of responsibilities, qualifications and personnel composition of the Contractor's health and safety services shall be in accordance with the Polish Labor Law.</p> <p>Before starting the work, the Contractor's health and safety supervision will conduct a dedicated training for the Contractor's staff in the field of work safety and accident hazard during the Task.</p>	Contractor
106.	Protection of human health and safety.	Task implementation area	<p><b>Ensuring that working conditions comply with law and standards</b></p> <p>The Contractor is obliged to apply and observe all the provisions of the labor law in force in Poland, in particular all the provisions of the Labor Code, and will act in accordance with the ES Code of Conduct. In particular, the following issues should be reflected in the Contractor's employment policy and remuneration regulations:</p>	Contractor

			<ul style="list-style-type: none"> <li>• ensuring equal pay for workers doing the same job without taking into account gender, sexual orientation or age;</li> <li>• ensuring that persons employed under the Contract are not persecuted or discriminated against on the basis of gender, sexual orientation and age;</li> <li>• ensuring that the Contractor, in accordance with the possibilities and conditions and the Polish provisions of the Labor Code, satisfies the living and social needs of employees in the workplace;</li> <li>• ensuring that the Contractor ensures that it makes it easier for employees to improve their professional qualifications.</li> </ul>	
107.	Protection of human health and safety.	Task implementation area	<p><b>Obligation to observe ES requirements and conditions</b></p> <p>The Contractor shall be obliged to apply and observe all ES policies' requirements and conditions (i.e. the ones related to environmental, social and health and safety issues) as determined:</p> <ol style="list-style-type: none"> <li>a) in the Contract documents, in the Operational Policies and Procedures of the World Bank concerning protection of environment and social issues (see description in chapter 6 of the EMP text),</li> <li>b) Guidelines of the World Bank concerning protection of health and environment, as well as safeguard policies (EHS Guidelines – see description in chapter 6 of the EMP text),</li> <li>c) ES Code of Conduct (developed at the stage of submitting a bid (see description in chapter 6 of the EMP text),</li> <li>d) Contractor's documents listed in item 79,</li> <li>e) as results from the legislation valid in Poland (including the Labour Code, the Construction Law, and others).</li> </ol> <p>The ES requirements and conditions determined in reference to the Contractor and its personnel in the aforementioned sources (regardless of the legal cooperation form) are also valid in the scope relevant for a given case for Contractor's subcontractors and their personnel and their subcontractors.</p>	Contractor
<b>19 - GUIDELINES FOR DEALING WITH THE SITUATION IN THE EVENT OF AN EPIDEMIC OR EMERGENCY SITUATION DURING THE EXECUTION OF WORKS</b>				
108.	Protection of human health and safety	Task implementation area	In the event that an epidemic or emergency state of epidemics is in force during the execution of works, the Contractor is obliged:	Contractor

			<p>a) to provide the persons on the Construction Site with all necessary precautions to maintain the health and safety of physical workers, Contractor's Personnel, to the extent described in the Terms and Conditions of the Contract, in particular to introduce appropriate measures to avoid or minimize the spread of diseases, including measures aimed at avoiding or minimizing the transmission of infectious diseases that may be associated with the inflow of temporary or permanent labor, related to the performance of the Contract, in the manner specified in the applicable Law, e.g. in those issued pursuant to Article 46a of the Act of 5 December 2008 on preventing and combating infections and infectious diseases in humans (unified text Journal of Laws of 2019, item 1239 as amended) Regulations on establishing certain restrictions, orders and prohibitions in connection with the occurrence of a state of epidemic,</p> <p>b) designate a person responsible under the Contract for matters relating to health and safety at work during an epidemic or emergency,</p> <p>c) implement relevant recommendations of the World Bank and state (sanitary and administrative) services in the Republic of Poland,</p> <p>d) cooperate with the Employer and the Engineer, in particular, provide current information on the precautions taken or planned, including the appropriate protection of the Construction Site against unauthorized access, the procedures introduced and the appropriate updating of the documents described in section 6.13, in particular the HASP Plan, Waste Management Plan, Construction Site Organization Plan, Management Strategy and ES Implementation Plans,</p> <p>e) organize an information campaign (e.g. posters and instructions on the Site) on the symptoms and signs of infection, the spread of the virus, protection measures (including regular hand washing)</p> <p>f) organize, in a safe sanitary form, training for manual workers, Contractor's staff at least in the scope:</p> <ul style="list-style-type: none"> <li>• updated procedures and documents,</li> <li>• the symptoms and signs of COVID-19 (or any other infectious disease in connection with an established epidemic/emergency situation), including self-monitoring of symptoms, spread of the virus, available protection measures,</li> <li>• the treatment in case of noticing symptoms of the disease in themselves and others,</li> <li>• the applicable regulations concerning the quarantine of workers and their families, remuneration for the period of illness, isolation or quarantine, the provision of health care, including sanitary transport, carried out in connection with the prevention of infection,</li> <li>• the applicable procedures for signaling infringements or reporting complaints by employees,</li> <li>• waste handling - e.g. masks, gloves, disinfectants and cleaning products.</li> </ul> <p>In the course of an emergency or epidemic situation, within the limits of the law, training should be provided by electronic means of communication or in the form of self-education.</p>	
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			The above rules should be applied in an appropriate manner in the event of declaring an epidemic state or threat of an epidemic in connection with another infectious disease in the Republic of Poland.	
<b>DETAILED REQUIREMENTS</b>				
<b>20 – SPECIFIC REQUIREMENTS - ŁĄDEK-ZDRÓJ FACILITY</b>				
109.	Protection of animated nature	Implementati on area of the Łądek-Zdrój facility	<p><b>Restrictions on felling of trees and shrubs</b></p> <p>In zone "A" of the spa protection, felling of forest and park trees is forbidden with the exception of tending cuttings, and in zone "B" of the spa protection, felling of forest and park trees is forbidden with the exception of tending cuttings and felling specified in the forest management plan.</p> <p>[condition of item 2.2.21 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor
110.	Protection of animated nature	Implementati on area of the Łądek-Zdrój facility	<p><b>Need for taking an inventory of plants, including aphids, prior to commencement of works</b></p> <p>Prior to the commencement of the works, an inventory should be made of protected plant species, including aphids, in the Biała Łądecka riverbed and its direct neighbourhoods in the sections where the works are planned. Next, plants/stones inhabited by the above-mentioned species should be moved from the areas at risk of destruction, where the presence of the above-mentioned species was found, under the supervision of an expert botanist, and then deposited in other sections, not covered by the works, in places suitable for the habitat, upstream of the river above the works implementation site.</p> <p>[condition of item 2.2.34 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor

111.	Protection of animated nature	Implementati on area of the Łądek-Zdrój facility	<p><b>Ensuring free migration of fish at a sill converted to a ramp</b></p> <p>Technical solutions for the sill planned for conversion to a ramp at km 26+414 of the Biała Łądecka River should ensure free migration of fish and other aquatic organisms. The ramp design is to be agreed with an expert ichthyologist experienced in designing fish passes<sup>4</sup>.</p> <p>[condition of item 3.3.2 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor
112.	Protection of animated nature	Implementati on area of the Łądek-Zdrój facility	<p><b>Technical requirements for the renovated sills and the constructed fish pass</b></p> <p>The technical solutions of the renovated sills and the constructed fish pass at the mill race at km 23+685-23+800 of the Biała Łądecka River should ensure free migration of fish and other aquatic organisms. The technical designs of these facilities should be agreed with an expert ichthyologist experienced in designing fish passes<sup>5</sup>. The fish pass design must take into account the following requirements:</p> <ul style="list-style-type: none"> <li>– length not less than 39 m;</li> <li>– longitudinal gradient equal to 5.5%</li> <li>– basins with dimensions of 2x4 m and depth of 0.6 m;</li> <li>– in each of the spandrel beams, a gap of 0.5 m wide and 0.6 m high, gaps in adjacent spandrel beams located alternately;</li> <li>– boulders forming spandrel beams with the dimensions of 0.5x0.5 m of and elevated 0.6 m above the fish pass bottom;</li> <li>– a rip-rap of various sizes in the bottom of the basins.</li> </ul> <p>[condition of item 3.3.3 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor

<sup>4</sup> the expert ichthyologist's agreement on the design of the fish pass is included in the design documentation of the Łądek-Zdrój Facility

<sup>5</sup> the expert ichthyologist's agreement on the design of the fish pass is included in the design documentation of the Łądek-Zdrój Facility.

113.	Restoration of the state of environment	Implementation area of the Łądek-Zdrój facility	<p><b>Obligation to carry out stocking with stream trout</b></p> <p>If it is necessary to carry out works in the period from October to the end of February, which will result in losses of stream trout eggs in the spawning grounds below the site of the works performance, stocking with stream trout should be carried out annually during the works performance period in cooperation with an expert ichthyologist. For stocking, stocking material from the Biała Łądecka or Nysa Kłodzka catchment area must be used and the size of the stocking density must be based on an assessment of the real losses in the species population and the amount of stocking material introduced by the fishing user. In addition, the expert ichthyologist, in consultation with the fishing user of the waters, may indicate the need for additional stocking in the year following the completion of the works, in order to maintain the species abundance until the spawning conditions in the section covered by the works are restored.</p> <p>[condition of item II of sec. 1.1.1 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor
114.	Restoration of the state of environment	Implementation area of the Łądek-Zdrój facility	<p><b>Obligation of execution of compensation plantings</b></p> <p>In cooperation with a dendrologist expert, plant medium and high vegetation in a ratio of not less than 1:1 (one tree planted per one felled tree; the area of planted bushes is equal to the area of felled bushes). Only native species adapted to local habitat conditions should be used. Planting should be done first of all in the city of Łądek Zdrój, along the river channels.</p> <p>[condition of item II of sec. 1.1.2 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor
115.	Restoration of the state of environment	Implementation area of the Łądek-Zdrój facility	<p><b>Obligation to carry out compensation measures for White-Throated Dipper <i>Cinclus cinclus</i> and Grey Wagtail <i>Motacila cinerea</i></b></p> <p>In the area of the town of Łądek-Zdrój - under the supervision of an expert ornithologist - hang 5 nesting boxes for White-Throated Dipper <i>Cinclus cinclus</i> and 5 nesting boxes for Grey Wagtail <i>Motacila cinerea</i> under bridges. If there are no suitable places for hanging the boxes under bridges, boxes should be installed on retaining walls, at a height of not less than 0.3 m from the upper edge of the wall. Individual boxes should be hung from each other at a distance of not less than 100 m. The type of nesting boxes should be agreed with an expert ornithologist.</p> <p>[condition of item II of sec. 1.1.3 of the environmental decision ref.: WOOŚ.420.8.2020.AP.19 of 12.11.2020 for the ŁĄDEK-ZDRÓJ facility]</p>	Contractor

116.	Monuments protection	Implementati on area of the Łądek-Zdrój Facility	<p><b>Activities connected with the protection of the historic substance of Łądek-Zdrój</b></p> <p>Considering that some of the works are located in areas listed in the register of monuments, the works must be carried out in compliance with the following principles:</p> <ul style="list-style-type: none"> <li>a) execution of the works on the basis of a conservatory permit issued in the form of an administrative decision (on the basis of the Act of July 23rd 2003 on protection and care of monuments) by the Provincial Conservator of Monuments in Wrocław,</li> <li>b) archaeological research shall be conducted during earthworks on the basis of a permit-decision of the Provincial Conservator of Monuments in Wrocław (issued on the basis of the Act of July 23rd 2003 on protection and care of monuments),</li> </ul> <p>renovations works at the stone and brick walls marking the course of the river should be carried out using materials analogous to those used in the original constructions.</p>	Contractor
<b>21 – SPECIFIC REQUIREMENTS - STRONIE ŚLĄSKIE FACILITY</b>				
117.	Protection of animated nature	Implementati on area of Stronie Śląskie Facility	<p><b>Need for taking an inventory of plants, including aphids, prior to commencement of works</b></p> <p>Prior to the commencement of the works, an inventory should be made of protected plant species, including aphids, in the Biała Łądecka riverbed and the Morawa stream, in the sections where the works are planned. Next, plants/stones inhabited by the above-mentioned species should be moved from the areas at risk of destruction, where the presence of the above-mentioned species was found, under the supervision of an expert botanist, and then deposited in other sections, not covered by the works, in places suitable for the habitat, upstream of the river above the works implementation site.</p> <p>[condition of sec. 2.2.33 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
118.	Protection of animated nature	Implementati on area of Stronie Śląskie Facility	<p><b>Current supervision of a dendrologist expert – works on a nature monument</b></p> <p>All works in the vicinity of the nature monument (Small-leaved Lime <i>Tilia cordata</i>) growing in the close vicinity of the investment shall be performed under the current supervision of an expert dendrologist. Before starting the works, a dendrological expert's opinion should be prepared, including an indication of how to minimize the</p>	Contractor

			<p>impacts according to the current state of the object. The scope of works in the area of the object should be limited to the necessary minimum resulting from technical and technological reasons.</p> <p>[condition of item 2.2.35 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	
119.	Protection of animated nature	Implementation on area of Stronie Śląskie Facility	<p><b>Ensuring free migration of fish at a sill converted to a ramp</b></p> <p>Technical solutions for the sills planned for conversion to the ramps at km 30+900 – 30+920 and at km 31+417 of the Biała Łądecka River should ensure free migration of fish and other aquatic organisms. The ramp design is to be agreed with an expert ichthyologist experienced in designing fish passes<sup>6</sup>.</p> <p>[condition of item 3.3.2 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
120.	Protection of the river ecosystem	Implementation on area of Stronie Śląskie Facility	<p><b>Ensuring protection of natural habitats</b></p> <p>Abandon the execution of works in the section 32+035 – 32+185 of the Biała Łądecka.</p> <p>[condition of item 3.3.6 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
121.	Protection of the river ecosystem	Implementation on area of Stronie Śląskie Facility	<p><b>Technical requirements for renovation of sills</b></p> <p>In cooperation with an expert ichthyologist, it is necessary to design a sectional ichthyological flow improvement of the Morawa stream below the dam of the dry reservoir at km 1+550 – 1+750 by making reductions in the central part of the weirs about 1 m wide and a difference in bottom levels of about 5 cm.</p>	Contractor

<sup>6</sup> the expert ichthyologist's agreement on the design of the fish pass is included in the design documentation of the Stronie Śląskie Facility.

			[condition of item 3.3.7 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]	
122.	Restoration of the state of environment	Implementation on area of Stronie Śląskie Facility	<p><b>Obligation to carry out stocking with stream trout</b></p> <p>If it is necessary to carry out works in the period from October to the end of February, which will result in losses of stream trout eggs in the spawning grounds below the site of the works performance, stocking with stream trout should be carried out annually during the works performance period in cooperation with an expert ichthyologist. For stocking, stocking material from the Biała Łądecka catchment area must be used and the size of the stocking density must be based on an assessment of the real losses in the species population and the amount of stocking material introduced by the fishing user. In addition, the expert ichthyologist, in consultation with the fishing user of the waters, may indicate the need for additional stocking in the year following the completion of the works, in order to maintain the species abundance until the spawning conditions in the section covered by the works are restored.</p> <p>[condition of item II of sec. 1.1.1 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor
123.	Restoration of the state of environment	Implementation on area of Stronie Śląskie Facility	<p><b>Obligation of execution of compensation plantings</b></p> <p>In cooperation with a dendrologist expert, plant medium and high vegetation in a ratio of not less than 1:1 (one tree planted per one felled tree; the area of planted bushes is equal to the area of felled bushes). Only native species adapted to local habitat conditions should be used. Planting should be done first of all in the city of Stronie Śląskie, along the river channels.</p> <p>[condition of item II of sec. 1.1.2 of the environmental decision ref.: WOOŚ.420.9.2020.AP.20 of 6.11.2020 for STRONIE ŚLĄSKIE facility]</p>	Contractor