

**CHECK LIST FOR IMPLEMENTATION OF MEASURES  
LISTED IN APPENDIX 1 AND 2  
TO THE ENVIRONMENTAL MANAGEMENT PLAN**

Appendix no. 1  
to the Final Report on implementation of measures determined in EMP  
for the Contract 3B.1

Odra-Vistula Flood Management Project

OVFMP Subcomponent	3B Protection of Sandomierz and Tarnobrzeg
Contract Task	<b>3B.1 Flood Protection Sandomierz</b>
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Project Implementation Office (PIO)	Project Implementation Office in Cracow – branch in Kielce 5. Robotnicza Street, 25-662 Kielce, Poland
Contractor of Works	JV of: MELBUD Spółka Akcyjna – Leader 4. Składowa Street, 86-300 Grudziądz, Poland "Energopol-Szczecin" Spółka Akcyjna – Partner 9/13. Św. Floriana Street, 70-646 Szczecin, Poland
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This document – forming **Appendix no. 1** to the *Final Report on implementation of measures determined in the Environmental Management Plan for Contract 3B.1* (reporting period: November 17, 2017 – December 31, 2020), consists of the following parts:

- Part I. Check List for implementation of mitigation measures listed in Appendix 1 to the Environmental management Plan (EMP).
- Part II. Check List for implementation of monitoring measures listed in Appendix 2 to the EMP.
- Part III. Quantitative summary of implementation of measures listed in Appendix 1 and 2 to the EMP, in the reporting period.

## Part I. Check List for implementation of mitigation measures listed in Appendix 1 to the EMP for Contract 3B.1

This part of Appendix no. 1 to the *Final Report on implementation of measures determined in the Environmental Management Plan (EMP)* for Contract 3B.1 presents a check list for implementation of mitigation measures listed in Appendix 1 to the EMP within the reporting period.

### Key for the check list presented in table 1

Mitigation measures listed in Appendix 1 to the EMP are grouped in 7 thematic categories<sup>1</sup>:

Cat.	Category name	Item on the list
01	Rules connected with property acquisition	items no. 1-3
02	Measures to be performed prior to works commencement	items no. 4-15
03	Requirements concerning the access routes to the construction sites	items no. 16-29
04	Organization of the site facilities, warehouses and storage yards	items no. 30-45
05	Requirements for cutting out trees and shrubs	items no. 46-49
06	Requirements at the stage of works implementation	items no. 50-138
07	Requirements after completion of works	items no. 139-140

Numbers in column „Item” – from *I.* to *I40.* – determine numbers of particular mitigation measures, in accordance with numbering in Appendix 1 to the EMP.

For each of mitigation measures the following was given:

- brief description of the measure (marked with ***bold and italic letters***, including a number in column “Item”);
- exact content for the measure from the text in Appendix 1 to the EMP;
- description of implementation status of the measure in the reporting period.

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<sup>1</sup> In table 1, the numbers and names of individual categories are given in the rows marked in gray.

Table 1. Check List for implementation of mitigation measures listed in Appendix 1 to the EMP for Contract 3B.1

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
<b>Cat. 01 RULES CONNECTED WITH PROPERTY ACQUISITION</b>		
1.	<p><b>Limitation of land acquisition and land transformation</b></p> <p>Area of occupation must be limited to the necessary minimum as well as land surface transformation during the works carried out.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
2.	<p><b>Preparation of the site and of traffic routes prior to the commencement of works</b></p> <p>The stage of construction works must be preceded by preliminary works involving preparing the area for the Task. i.e. preparing the places for storing building materials, for site facilities, etc. and allocating and preparing (and consulting with the road administrators) of traffic routes for machines and vehicles.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
3.	<p><b>Limitation of temporary acquisition area</b></p> <p>It is necessary to limit as much as possible the area of temporary occupation.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
<b>Cat. 02 MEASURES TO BE PERFORMED PRIOR TO WORKS COMMENCEMENT</b>		
4.	<p><b>Environmental inventory for sites of temporary acquisition and permanent acquisition</b></p> <p>Before commencement of the works a survey of permanently and temporarily occupied sites should be carried out, intended for determining of an up-to-date positions of protected plant species and plant species placed on national and regional red lists of endangered species, as well as identification of places of potential presence of these species.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the 3<sup>rd</sup> quarter of 2018.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
5.	<p><b>Obtainment of decisions allowing for derivation from bans related to protection of species</b></p> <p>The Contractor (if necessary - in proportion to the results of the conducted survey) shall obtain all necessary permits for deviation from prohibitions in relation to the protected plant species issued by RDOŚ/GDOŚ (in accordance with Article 56, Paragraph 1 and 2 of the Act of 16 April on environmental protection).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued (with breaks) until the 3<sup>rd</sup> quarter of 2018.</p> <p>No issues with implementation were identified.</p>
6.	<p><b>Protection of trees and shrubs which shall not be logged</b></p> <p>Trees and shrubs not intended for felling, growing in the vicinity of the Task implementation area and at risk of being damaged due to vehicle traffic, equipment handling, etc. must be protected against damage, e.g. by covering with wooden planks around the tree trunks up to the minimum height of 1.5 m.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
7.	<p><b>Conditions for relocation of species</b></p> <p>In the event of the necessity to transfer plant species, the Contractor is obliged to first – plan the activities, obtain relevant permits and then effectively carry out those activities, as well as implement other measures indicated in the permit (i.e. preparing reports and submitting them to permitting authorities).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued (with breaks) until the 4<sup>th</sup> quarter of 2020.</p> <p>No issues with implementation were identified.</p>
8.	<p><b>Curing for damaged trees</b></p> <p>In the event of damage to trees, the necessary maintenance measures to be introduced immediately by the Contractor under the supervision of Contractor's environmental team to limit effects of the damage.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued (with breaks) until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
9.	<p><b>Archaeological research within archaeological sites</b></p> <p>Prior to the commencement of works, the Contractor shall enable the qualified person to carry out all necessary archaeological survey in the places of discovered archaeological sites.</p> <p>This will ensure the protection and removal of valuable objects and other elements of historical value from the site and will enable the performance of specific works.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (presence of discovered archaeological sites was not identified within the boundaries of the work site for Contract 3B.1 or in its immediate surroundings).</p> <p>Lack of implementation of the mitigation measure did not form a deviation from the conditions determined under the EMP.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
10.	<p><b><i>Inventory and ongoing monitoring of buildings at risk of trembling and vibration</i></b></p> <p>Before commencement of the works involving vibrations, which could cause inconvenience for the neighboring inhabitants or damage to the buildings located near the works areas there should be carried out a survey of existing buildings with particular focus on cracks and damages, and during the aforementioned works the condition of the buildings should be monitored.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued (with breaks) until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
11.	<p><b><i>Composition and role of the environmental supervision team</i></b></p> <p>The Contractor's environmental team shall include the following experts: phytosociologist/botanist, herpetologist, ornithologist, chiropterologist, entomologist and water protection expert.</p> <p>The Contractor's environmental team will be responsible for the proper implementation of mitigation measures for the environment during construction works.</p> <p>Environmental team experts must be accepted by the Engineer before civil works execution.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
12.	<p><b><i>Sapper survey for the site prior to the commencement of works</i></b></p> <p>Prior to the commencement of works, the Contractor shall carry out a field inspection on the area of works in terms of the presence of unexploded shells.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure was commenced and completed in the 1<sup>st</sup> quarter of 2018.</p> <p>No issues with implementation were identified.</p>
13.	<p><b><i>Preventing the distribution of invasive plants</i></b></p> <p>Prior to commencement of the construction works, the Contractor should carry out a site inspection of construction sites attended by phytosociologist/botanist in order to locate the presence and estimate population of invasive plants (except for Small balsam <i>Impatiens parviflora</i>).</p> <p>After locating and visibly marking the places where invasive plants grow, the Contractor shall take preventive actions during the implementation of the Contract, which will reduce spreading of these plants, including, among others, removing humus layer along with invasive plants and transporting them from area of works to the composting plant or neutralizing in any other effective manner.</p> <p>It is unacceptable to mix this humus with topsoil overgrown with local native vegetation.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the 3<sup>rd</sup> quarter of 2018.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
14.	<p><b>Control tests for sediments to be dredged from channel bottom, reservoirs, etc.</b> <b>[RE: Subtasks 1, 2, 5 and 6 only]</b></p> <p>Prior to the construction works in the areas of the planned dredging of channel beds, storage reservoirs and removing sediments from the channels, the Contractor shall carry out control tests and examine sediments and define their quality in accordance with applicable law (pursuant to the Act of 14 December 2012 on waste and relevant executive acts). Such tests shall be implemented by an accredited laboratory.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation measure was commenced and completed in the 2<sup>nd</sup> quarter of 2018. No issues with implementation were identified.</p>
15.	<p><b>Proceeding rules for soil taken from deepening of channels and reservoirs</b> <b>[RE: Subtasks 1, 2, 5 and 6 only]</b></p> <p>It is necessary to examine the quality of the excavated deposits (from channel beds and storage reservoirs). If contaminated sediments are discovered (exceeding values of permissible substance concentrations), they must be removed and handed over to entities holding adequate permissions for their further use. In case of finding slightly contaminated soil it is possible to restore them and hand over to natural person or to organizational units who are not contractors in terms of applicable rules, for further use.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the end of the reporting period. No issues with implementation were identified.</p>
<b>Cat. 03 REQUIREMENTS CONCERNING THE ACCESS ROUTES TO THE CONSTRUCTION SITES</b>		
16.	<p><b>Assurance of access for emergency services, establishments of roads, exits and crossings for pedestrians, and designation of parking lots for vehicles used on site</b></p> <p>The Contractor shall ensure access routes for rescue teams (ambulance, fire brigade, etc.) for the entire duration of the works, marking out roads, exits, passages for pedestrians and parking for vehicles used on the building site.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period. No issues with implementation were identified.</p>
17.	<p><b>Development of traffic organization designs</b></p> <p>The Contractor will provide traffic arrangement design for the duration of the Works, in accordance with the provisions of Technical Specifications and requirements of Roads Department regarding transport and conditions of roads use.</p>	<p><b>IMPLEMENTED</b> Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the 1<sup>th</sup> quarter of 2019. From the 1<sup>st</sup> quarter of 2018 to the 1<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
18.	<p><b>Assurance of protection for people against the increased traffic of vehicles on roads</b></p> <p>It is required to ensure human protection against increased vehicle traffic along roads used during construction works.</p> <p>At the time of works execution, the Contractor shall supply, install and operate all temporary safety devices, ensuring the safety of vehicles and pedestrians.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
19.	<p><b>Protection of plants against effects of the traffic</b></p> <p>The vehicle traffic should take place on the service roads preventing any damage to the near-by vegetation.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
20.	<p><b>Conditions for access and technological roads</b></p> <p>Access to the construction site facility and the work areas must take place along public roads, or if not possible, on reinforced concrete slabs provided for the Task purpose in the terrace area.</p> <p>After completing the works, it is necessary to remove reinforced concrete slabs and reinstate the area.</p> <p>Service roads shall be located outside of nature valuable areas as indicated by the Contractor's environmental team, paying special attention to the nature valuable areas located within the terrace area of the water courses and the SCI Tarnobrzeg Vistula River Valley PLH180049.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
21.	<p><b>Protection of the lay of land</b></p> <p>Earthworks which permanently deform the site are not allowed, except for the works executed as part of the Task.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>



Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
22.	<p><b>Maintenance of technical condition for hardened surfaces applied for deliveries of aggregate</b></p> <p>Paved surfaces (e.g. access roads) used for vehicle transport of aggregate should be maintained in good technical condition.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 and from the 2<sup>nd</sup> quarter of 2020 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
23.	<p><b>Photo documentation for the construction site Documentation and reinstatement of the technical condition of roads</b></p> <p>The Contractor is obliged to provide photographic documentation the entire area of construction works with particular focus on the technical condition of roads and the buildings located in the areas close to roads used for transport of construction materials.</p> <p>Before commencement of the works the Contractor shall carry out, in the presence of road Operator, site visit on the basis of which roads condition protocol shall be drawn up. Based on this document, if necessary the Contractor shall be obliged to reinstate roads technical condition.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 4<sup>th</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
24.	<p><b>Marking of access roads</b></p> <p>Proper marking of access roads. According to valid and relevant laws and agreements with Operators of the roads the Contractor shall mark the roads used for access routes.</p> <p>These marking shall be regularly controlled, in the case of destruction or theft of marking the Contractor shall promptly replace it or complete it.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
25.	<p><b>Repairing damages to buildings and infrastructure elements. Restoring the capacity of draining facilities</b></p> <p>The Contractor shall be responsible for any damage to the structures, buildings, roads, drainage ditches, culverts, water supply and gas pipe lines, power poles and power lines, cables, land survey control network and any type of services as well as other types of facilities such as vertical and horizontal signs, navigation aids, information boards, cultural assets etc., caused by the Contractor or his Subcontractors during execution of works.</p> <p>The Contractor is also responsible for restoring the flow capacity of drainage ditches and drainage services in the area of conducted works and transport roads, in case of damage caused by execution of works and transport related to works implementation.</p> <p>The Contractor shall immediately repair any damage at his own expense and also, if necessary, shall perform other works ordered by the Engineer.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued (with breaks) until the end of the reporting period.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
26.	<p><b>Agreements with road administrators and implementation of traffic organization designs</b></p> <p>The Contractor is obliged to agree with road management authority of the traffic arrangement and works security plan.</p> <p>The Contractor is obliged to organize traffic in accordance with the agreed plans (marking and securing the Site and marking of de-tours and recommended road signage related to change of traffic organization, etc.).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
27.	<p><b>Minimizing the nuisance for traffic in the area of works</b></p> <p>During works performance the Contractor makes efforts to minimise the burdens for the vehicle traffic existing in the works area (among others by ensuring access to the properties, passages to the public utility places).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
28.	<p><b>Reaching an agreement on and update of traffic organization designs and the schedule</b></p> <p>Prior to commencement of works the Contractor will present to the Engineer for approval, traffic arrangement and works security plans as well as the Programme agreed with the road management authorities.</p> <p>Depending on the needs and works progress, the traffic arrangement plans shall be updated by the Contractor on on-going basis.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued (with breaks) until the 2<sup>nd</sup> quarter of 2020.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 1<sup>st</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
29.	<p><b>Observation of limitations for the load on axis during deliveries. Notification of the Engineer and obtainment of permits for deliveries of untypical loads</b></p> <p>The Contractor shall respect the statutory limitations of loads per vehicle axle during transport of materials and equipment to and from the construction site.</p> <p>The Contractor shall also obtain any necessary permits from authorities, for transport of non-standard loads and shall constantly inform the Engineer about each case of such a transport.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
<b>Cat. 04 ORGANIZATION OF THE SITE FACILITIES, WAREHOUSES AND STORAGE YARDS</b>		
30.	<p><b>Protection of trees and shrubs at roads, yards, and backyards</b></p> <p>Roads, construction sites and site facilities must be situated in the manner ensuring the protection of trees and shrubs growing beyond the places necessary for occupation for construction works.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
31.	<p><b>Assurance of order and proper work organization on the construction site</b></p> <p>Order should be maintained on the Site as well as proper works' management.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
32.	<p><b>Location of temporary acquisition beyond environmentally valuable sites and equipping those sites with absorbents</b></p> <p>The temporarily occupied sites (such as: service roads, works construction site facilities, construction material storage places, parking places etc.) must be located outside of the valuable in term of nature areas as indicated by the Contractor's environmental team, including outside of the wet lands and outside of the SCI Tarnobrzeg Vistula River Valley PLH180049 service roads.</p> <p>These places should be supplied with sorbents allowing for quick removal of the effects of possible fuel or oil derivatives leakage.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
33.	<p><b><i>Location of temporary acquisition beyond acoustically protected sites and in a safe distance from water-courses</i></b></p> <p>Temporarily occupied sites (service roads, sites, building site facilities, construction material deposits, parking, etc.) must be situated as far as possible, from areas under acoustic protection and at safe distance from watercourses.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
34.	<p><b><i>Location and preparation of temporary acquired sites in accordance with guidelines of environmental supervisors</i></b></p> <p>Temporarily occupied sites (service roads, sites, building site facilities, construction material deposits, parking, etc.) should be located and provided in accordance with Contractor's environmental team instructions and approved by the Engineer.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
35.	<p><b><i>Equipping the objects at Subtask 6 with rainfall canalization system [RE: Subtask 6 only]</i></b></p> <p>Rain water from the yard and access roads and places where the power-generating unit is located will be included in a storm water drainage system, equipped with coalescent separator integrated with settling tank, which should discharge the rainwater to the watercourse from Zajeziorsze.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
36.	<p><b><i>Hardening and absorbent provision for locations designated for maintenance of vehicles and machines</i></b></p> <p>Sites dedicated for cars and construction machines maintenance such as site facilities must have paved surface and be equipped with sorbents for the duration of works.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
37.	<p><b><i>Provision of absorbent stations for fueling sites and for garages for vehicles and machines</i></b></p> <p>In the vicinity of sites dedicated for fuelling up and parking vehicles and machines, it is necessary to place a stand with a sorbent for removing possible leakages and spillages of petroleum substances.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
38.	<p><b>Location of storage yards and parking lots beyond the projection of tree crowns</b></p> <p>Places of storage of construction materials, soil, construction equipment and vehicles parking etc. shall be located, if possible, beyond projection of tree crowns which were not cut down in connection with construction works.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
39.	<p><b>Conditions for safe storage of construction materials</b></p> <p>Materials used during construction works should be stored in the manner securing them against damage and in the manner not posing a risk to the human and property safety, such as falling over, sliding down or falling down of products, devices, machines and other equipment.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
40.	<p><b>Conditions for storing dangerous substances and materials</b></p> <p>If hazardous substances and materials are stored on the building site, they must be protected appropriately, preventing the access of unauthorized persons, and information on a hazard must be provided on warning boards.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
41.	<p><b>Conditions for waste treatment</b></p> <p>Waste management must be carried out in accordance with the Act of 14 December 2012 on waste.</p> <p>It is required to follow a rule of minimizing the amount of the waste generated.</p> <p>Waste generated during the Task implementation must be segregated and collected in containers or dedicated places, ensuring protection against the leakage of hazardous substances and it is necessary to ensure successive collection of waste by authorized entities.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
42.	<p><b>Conditions for hazardous waste treatment</b></p> <p>Hazardous waste to be collected only by authorized entities. Until the waste is collected by authorized entities it must be stored in a way which prevents penetration of the hazardous substance to the environment, i.e. in sealed containers, in roofed areas, on paved surface, protected from unauthorized access.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>In the 3<sup>rd</sup> and 4<sup>th</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
43.	<p><b>Storage of hazardous waste beyond the reach of flood water</b></p> <p>Hazardous waste storage sites must be allocated beyond flood waters area. (Q1% - so called hundred years water).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
44.	<p><b>Assurance of portable toilets and training for the staff in the scope of hygiene maintenance</b></p> <p>It is necessary to equip all construction sites with a required number of portable toilets and provide training to all the employees with regard to maintaining appropriate hygienic conditions within the area of the construction site and its direct surrounding.</p> <p>The Contractor's staff should only use toilets in designated places.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>In the 2<sup>nd</sup> and 3<sup>rd</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
45.	<p><b>Collection and removal of household sewage from the backyard</b></p> <p>Household sewage from the construction site facility must be collected in sealed tanks and disposed by specialized companies holding relevant permit to the nearest sewage treatment plant (catchment areas).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
<b>Cat. 05 REQUIREMENTS FOR CUTTING OUT TREES AND SHRUBS</b>		
46.	<p><b>Protection of protected species of beetles due to logging</b></p> <p>On the planned tree felling sites related to the rebuilding and construction of embankments, it is necessary to assess if there are not any protected beetle species.</p> <p>If trees inhabited by protected beetle species are found, it is necessary to secure the species and/or such beetles must be relocated to a different habitat of similar conditions.</p> <p>The works must be carried out under the supervision of an entomologist.</p>	<p><b>IMPLEMENTED</b></p> <p>The mitigation measure was implemented in the 4<sup>th</sup> quarter of 2017, in the 1<sup>st</sup> quarter of 2018 and in the 1<sup>st</sup> quarter of 2019.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
47.	<p><b>Protection of protected species of bats due to logging</b></p> <p>In order to reduce losses in the species of protected bats which may live in tree hollows, the felling of trees of circumference exceeding 100 cm ought to be preceded with a chiropterologist inspection for the purpose of assessing the actual presence of bats in the vicinity of respective types of trees.</p> <p>Tree felling must be carried out under the supervision of a chiropterologist.</p>	<p><b>IMPLEMENTED</b></p> <p>The mitigation measure was implemented in the 1<sup>st</sup> quarter of 2018 and in the 1<sup>st</sup> quarter of 2019.</p> <p>No issues with implementation were identified.</p>
48.	<p><b>Acceptable logging time</b> <b>[RE: Subtasks 3, 4, 5 and 6 only]</b></p> <p>Felling of trees and shrubs shall be limited to the scope necessary for the implementation of the Task and performed outside of the vegetation season and birds breeding season (within the period from 16th October to the end of February).</p>	<p><b>IMPLEMENTED</b></p> <p>The mitigation measure was implemented in the 1<sup>st</sup> quarter of 2018 and in the 1<sup>st</sup> quarter of 2019.</p> <p>No issues with implementation were identified.</p>
49.	<p><b>Acceptable logging time</b> <b>[RE: Subtasks 1 and 2 only]</b></p> <p>Trees and shrubs felling, within the scope necessary for the Task implementation, must be carried out beyond the bird breeding season (from 16 October to the end of February).</p> <p>Felling the trees and shrubs can take place on different dates only if bird breeding habitats and protected animal species are not affected, which must be acknowledged in the field inspection carried out by the Contractor's environmental team.</p>	<p><b>IMPLEMENTED</b></p> <p>The mitigation measure was implemented in the 1<sup>st</sup> quarter of 2018.</p> <p>No issues with implementation were identified.</p>
<b>Cat. 06 REQUIREMENTS AT THE STAGE OF WORKS IMPLEMENTATION</b>		
50.	<p><b>Traffic of vehicles on technological roads and minimizing the use of heavy machines and devices</b></p> <p>Vehicle traffic should take place along service roads, preventing any damage to the near-by vegetation.</p> <p>It is necessary to minimize the use of heavy duty machines and equipment.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
51.	<p><b>Limitation of works within the Koprzywianka's embanked area [RE: Subtask 4 only]</b></p> <p>It is necessary to limit works in the inter-embankment zone only to required construction works (extension of the embankment, unpaved lane along the embankment, building other embankment structures).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the 4<sup>th</sup> quarter of 2019.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 no issues with implementation were identified.</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4. From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p>
52.	<p><b>Limitation of traffic for machines and vehicles to technological roads and maneuvering sites</b></p> <p>Machines and vehicles should use service roads and vehicle circulation areas only.</p> <p>Machines, if possible, should move along the same routes.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
53.	<p><b>Condition of equipment for construction works in accordance with the regulations</b></p> <p>Construction equipment must be in working order which satisfies all legal conditions authorizing it for putting such equipment into service.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 2<sup>nd</sup> quarter of 2019 and from the 1<sup>st</sup> quarter of 2020 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>



Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
54.	<p><b>Preventing emission of pollution, dust, and noise from equipment, vehicles, and machines</b></p> <p>The type and working order of such equipment must ensure the protection of soil, surface water and groundwater against pollution, dust and gas emission to the air and noise emission.</p> <p>The Contractor should maintain the equipment, vehicles and plant and use all available resources to eliminate possible pollution of soil and water environment, in particular occurrence of spills of fuel, hydraulic oil and oil-derived substance during handling, fuelling, transport and operation of machines, equipment and vehicles.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 and from the 2<sup>nd</sup> quarter of 2020 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
55.	<p><b>Ban to perform maintenance actions to equipment and machines within the embanked areas of Vistula and Koprzywianka and within environmentally valuable sites</b></p> <p>It is prohibited to repair equipment and machines or exchange oil within the Vistula River inter-embankment zone and the Koprzywianka River, or in the vicinity of areas of natural values, indicated by the Contractor's environmental team.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>In the 2<sup>nd</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
56.	<p><b>Ban to fuel and to store fuel within the embanked areas of Vistula and Koprzywianka and within environmentally valuable sites. Ban of repairs within the construction site</b></p> <p>It is prohibited to fuel up and store fuel within the Vistula River inter-embankment zone and the Koprzywianka River, or in the vicinity of areas of natural value, indicated by the Contractor's environmental team. All repairs must be conducted beyond the direct building site in a dedicated place.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>In the 2<sup>nd</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
57.	<p><b>Conditions for service works for equipment, machines and devices (including waste treatment for the aforementioned works)</b></p> <p>It is not allowed to store on the building site of any waste connected with repairs and maintenance of equipment, machines and devices used for construction works.</p> <p>Any repairs of machines and servicing must be carried out by specialized companies or persons authorized to perform these works by the manufacturer (authorized service).</p> <p>Waste generated during these works (i.e. damaged parts, seals, filters, containers after lubricants and fluids, used oils, fluids, etc.) must be collected by contractors of repairs and services and they cannot be stored on the building site.</p> <p>They must be managed in compliance with applicable law.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
58.	<p><b>Keeping the access roads clean</b></p> <p>It is necessary to apply required organizational and technical measures in order to maintain clean access routes.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 and from the 2<sup>nd</sup> quarter of 2020 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
59.	<p><b>Limitation of dust emission during deliveries and storage of materials</b></p> <p>It is necessary to apply required organizational and technical measures in order to limit dust emission at the time of transporting and storing of construction materials.</p> <p>Special attention shall be paid to effective limiting the dusting in case of performing works close to fruit orchards. (Structure: Protection the embankments of Koprzywianka River – left embankment at km 0+000 ÷ 12+900, right embankment at km 0+000 ÷ 14+400).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 2<sup>nd</sup> quarter of 2019 and from the 2<sup>nd</sup> quarter of 2020 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
60.	<p><b>Limitation of dust emission during the construction works</b></p> <p>It is necessary to apply required organizational and technical measures in order to limit dust emission during construction works.</p> <p>Special attention shall be paid to effective limiting the dusting in case of performing works close to fruit orchards. (Structure: Protection the embankments of Koprzywianka River – left embankment at km 0+000 ÷ 12+900, right embankment at km 0+000 ÷ 14+400).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 2<sup>nd</sup> quarter of 2019 and from the 2<sup>nd</sup> quarter of 2020 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
61.	<p><b>Protection of loose materials and aggregate against blowing away and dusting</b></p> <p>Sand and aggregates to be used during construction works shall be secured against their blowing or excessive dusting from their surface both during transport and storage, as well as during construction works.</p> <p>Special attention shall be paid to effective limiting the dusting in case of performing works close to fruit orchards. (Structure: Protection the embankments of Koprzywianka River – left embankment at km 0+000 ÷ 12+900, right embankment at km 0+000 ÷ 14+400).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
62.	<p><b>Limitation of dust emission caused by the means of transport</b></p> <p>Limit dust generated by the means of transport by:</p> <ul style="list-style-type: none"> <li>• cleaning vehicle wheels before entering the public roads,</li> <li>• cleaning service roads surface,</li> <li>• using vehicles with tilts for transport of dusty materials or transport of packed powdery materials,</li> <li>• other activities preventing mud and dirt dispersion on local roads by vehicles,</li> <li>• sprinkling of surfaces of internal service roads.</li> </ul> <p>Special attention shall be paid to effective limiting the dusting in case of performing works close to fruit orchards. (Structure: Protection the embankments of Koprzywianka River – left embankment at km 0+000 ÷ 12+900, right embankment at km 0+000 ÷ 14+400).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 and from the 2<sup>nd</sup> quarter of 2020 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
63.	<p><b>Limitation of diesel engines' operation time</b></p> <p>It is necessary to reduce the work time of powered machines and vehicles.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
64.	<p><b>Speed limits for vehicles</b></p> <p>It is necessary to reduce speed limit of vehicles in the vicinity of the building areas.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
65.	<p><b>Safe method of performance within the flood embankments</b>  <b>[RE: <u>Subtasks 3 and 4 only</u>]</b></p> <p>Work of machines, devices and other equipment within the embankment must be carried out in a way that does not endanger the safety of persons and property, excluding their overturning, sliding or descent into the slope of the embankment.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the 4<sup>th</sup> quarter of 2019.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 no issues with implementation were identified.</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4.</p> <p>From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p>
66.	<p><b>Switching machines and devices off during breaks at work</b></p> <p>It is necessary to adhere to the rule of switching off machines and appliances during breaks at work.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
67.	<p><b>Location of top-soil storage sites</b></p> <p>The Contractor should choose a place for storing humus which will secure it against pollution, being driven through and being tamped down.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
68.	<p><b>Storage of top-soil in a way allowing for its re-use</b></p> <p>Humus should be stored and protected in a way enabling its re-use.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
69.	<p><b>Establishing, equipping and use of parking lots for equipment, machines and vehicles</b></p> <p>Equipment, plant and vehicles used for construction works must be placed in dedicated parking spaces provided with protective measures against spillage of oil derivatives to the soil and water environment.</p> <p>If the equipment, plant and vehicles are not in use, they must be parked in these dedicated places.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
70.	<p><b>Vehicles, devices, etc., which may be present on site and at the backyard</b></p> <p>Only vehicles, plant and equipment related to execution of works on the Task can be placed on Site and within site facilities.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
71.	<p><b>Limiting the scope of earthworks</b></p> <p>Earthworks must be limited to a necessary minimum.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
72.	<p><b>Equipment for storage sites for grease and fuel</b></p> <p>Grease and fuel to be stored at adequately prepared place with relevant sealing degree and equipped with sorbent to neutralize petroleum substance.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 1<sup>th</sup> quarter of 2019 and in the 2<sup>nd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
73.	<p><b>Preventing polluting the ground and water environment</b>  <b>Removal of leakages of diesel derivatives</b></p> <p>The Task shall be implemented in a manner excluding penetration of any pollution, especially petroleum-based to the land and water.</p> <p>In the event of spillage of oil derivative substances, it must be promptly removed and contaminated soil layers must be immediately eliminated (by a specialized company) and managed in accordance with applicable law.</p> <p>Such places must be brought back to their initial condition.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 and in the 2<sup>nd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
74.	<p><b>Application of materials not harmful to the environment</b></p> <p>For works performance, it is necessary to use only non-hazardous materials which are not burdensome to the environment.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
75.	<p><b>Ban to store spoil within environmentally valuable areas</b></p> <p>It is forbidden to deposit soil in: cavities, old river beds, swampy areas and other areas of a natural value within the entire Task implementation area.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
76.	<p><b><i>Spoil management without harmful modification of water relations within neighboring sites</i></b></p> <p>The manner of soil management must not change the water levels with detriment to the neighbouring soil.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
77.	<p><b><i>Quality requirements for ground to be used for embankment raising [RE: Subtasks 3 and 4 only]</i></b></p> <p>It is required to use uncontaminated soil from concession purchases for elevating the embankments, which satisfy the requirements of the regulation on soil quality standards and earth quality standards.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the 4<sup>th</sup> quarter of 2019.</p> <p>In the 3<sup>rd</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4.</p> <p>From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p>
78.	<p><b><i>Ban to store spoil within marshy land and within Natura 2000 sites [RE: Subtask 4 only]</i></b></p> <p>It is forbidden to gather soil intended for embankment formation, sowing and reclamation of land for the building site on swampy areas and within Natura 2000 site.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the 4<sup>th</sup> quarter of 2019.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 no issues with implementation were identified.</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4.</p> <p>From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
79.	<p><b>Removal of diesel derivatives' leakage to surface water</b></p> <p>In the event of oil derivative substance spillage to surface water, the Contractor is obliged to ensure mechanical collection of the substance from the water surface.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (cases of diesel substances' leakage to surface water were not identified).</p> <p>Lack of implementation of the mitigation measure did not form a deviation from the conditions determined under the EMP.</p>
80.	<p><b>Ban to store spoil within environmentally valuable areas</b></p> <p>It is forbidden to deposit soil in areas of a natural value, indicated by the Contractor's environmental team.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
81.	<p><b>Management of spoil produced during the works within Subtask 5 [RE: Subtask 5 only]</b></p> <p>Soil formed during works must be managed for the needs of raising site levels and reconstructing the section of the embankment demolished.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
82.	<p><b>Time limitation for construction works in vicinity of acoustically protected areas</b></p> <p>Construction works in the area and immediate vicinity of areas under acoustic protection must be carried out only during the day (from 6 a.m. to 10 p.m.).</p> <p>It is allowed to conduct works at night only in the event of a flood risk.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>In the 3<sup>rd</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
83.	<p><b>Work technology, work organization and use of equipment assuring protection of the surroundings against noise</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>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>In the 3<sup>rd</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>



Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
84.	<p><b>Location of parking lots for machines</b></p> <p>It is necessary to locate parking sites for machines as far as possible from the areas under noise protection and at the same time as close as possible to the area of works.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
85.	<p><b>Provision of soundproof casing for pumping units in vicinity of acoustically protected sites</b></p> <p>In the areas under acoustic protection and the working sites adjacent to these areas, in order to mitigate the nuisance for inhabitants and environment, it is allowed to use only soundproofed pumping engines.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
86.	<p><b>Preventing death of animals</b></p> <p>a. Works to be carried out in a way which will avoid animal mortality.</p> <p>b. All the excavations must be protected against animal access and regularly controlled in the period of conducting works.</p> <p>c. In addition, according to the recommendations of herpetologist, if necessary, it is recommended to protect the migration routes of amphibians to water (e.g. through making appropriate fencing), in order to limit a death rate among amphibians related to vehicle traffic.</p> <p>d. It is also necessary to protect all hollows formed in the location of works and within the building sites which are filled with water against amphibian access and breeding in this area – works must be carried out according to the recommendations of a herpetologist.</p> <p>e. If animals get to the construction site, it is necessary to ensure their safe relocation to substitute habitats.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2018, in the 2<sup>nd</sup> quarter of 2019 and from the 1<sup>st</sup> quarter of 2020 to the 2<sup>nd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
87.	<p><b>Ban to damage plants beyond the Contract site</b></p> <p>During construction works it is not allowed to destroy plants outside the Contract area.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
88.	<p><b>Adaptation of deadlines and location of work stages to requirements of environmental decisions and the EMP</b></p> <p>The Contractor should provide the schedule for execution of works so that the dates and location of respective stages of construction works are in compliance with requirements of environmental decisions and EMP and so that they do not affect species under protection which are found on the Task implementation area and in its vicinity.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
89.	<p><b>Ban to use substances lethal to animals</b></p> <p>No substance which could be lethal to animals can be used for execution of works.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
90.	<p><b>Protection of excavations against the access of small animals</b> <b>[RE: <u>Subtasks 1 and 2 only</u>]</b></p> <p>It is necessary to secure an excavation for a reservoir against access and entrapment of small animals.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
91.	<p><b>Location and time of works and limitation of logging at Struga A ditch</b> <b>[RE: <u>Subtask 2 only</u>]</b></p> <p>Due to animal species protection, it is recommended to carry out construction works on these sides of Struga A watercourse which enables leaving maximal area of intact tree stands as well as execute construction works in the periods of low water level.</p> <p>Felling of trees must be limited to the necessary minimum.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued (with breaks) until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
92.	<p><b>Acceptable time of works in Koprzywianka riverbed</b> <b>[RE: <u>Subtasks 5 and 6 only</u>]</b></p> <p>Works within the Koprzywianka River bed must be performed best in the period from July to August.</p> <p>It is forbidden to conduct works in the fish spawning period (i.a. rainbow trout and grayling) which starts in September and ends in April.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 3<sup>rd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
93.	<p><b>Development of protection fences for animals</b>  <b>[RE: <u>Subtasks 5 and 6</u> only]</b></p> <p>Protective fences shall be provided to secure the construction site from the intrusion of animals.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the 2<sup>nd</sup> quarter of 2020.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 2<sup>nd</sup> quarter of 2019 and from the 1<sup>st</sup> quarter of 2020 to the 2<sup>nd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
94.	<p><b>Acceptable time of works in the port channel</b>  <b>[RE: <u>Subtask 3</u> only]</b></p> <p>The works within the port channel's bed shall be conducted outside of the fish spawning season (outside of the following month May-June), which shall minimize the negative impact on fish species.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>Within the reporting period, until the end of the 4<sup>th</sup> quarter of 2019, it was not necessary to implement the mitigation measure (works in the area of the port channel were not commenced).</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4. From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p> <p>Lack of implementation of the mitigation measure did not form a deviation from the conditions determined under the EMP.</p>
95.	<p><b>Development of a construction cofferdam separating the port channel from the Vistula</b>  <b>[RE: <u>Subtask 3</u> only]</b></p> <p>Before performing a port gate, a cofferdam separating the canal from the Vistula River shall be placed.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>Within the reporting period, until the end of the 4<sup>th</sup> quarter of 2019, it was not necessary to implement the mitigation measure (works associated with development of a port gate have not been commenced).</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4. From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p> <p>Lack of implementation of the mitigation measure did not form a deviation from the conditions determined under the EMP.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
96.	<p><b>Obtainment of necessary RDOŚ/GDOŚ permits</b></p> <p>The Contractor will obtain required permits for deviations from prohibitions in relation to protected species of animals, plants and fungi, issued by RDOŚ/GDOŚ (pursuant to Article 56.1 and 2 of the Environmental Protection Act of 16 April)</p> <p>- if this will be necessary according to the findings of the Contractor's environmental team).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued (with breaks) until the 3<sup>rd</sup> quarter of 2019.</p> <p>No issues with implementation were identified.</p>
97.	<p><b>Removal of top-soil from areas of permanent acquisition and temporary acquisition</b>  <b>[RE: Subtasks 2, 3, 5 and 6 only]</b></p> <p>Before commencement of earthworks related to the Task implementation, it is required to remove a layer of humus from temporarily and permanently occupied sites.</p> <p>The period provided for works is planned from 15 August to 15 October.</p> <p>When it is necessary to implement these works in other time, the planned date should be agreed on with an expert herpetologist.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
98.	<p><b>Removal of top-soil from areas of permanent acquisition and temporary acquisition</b>  <b>[RE: Subtasks 1 and 4 only]</b></p> <p>Before commencing earthworks connected with the Task implementation, it is necessary to remove a layer of humus from permanent and temporary occupation areas.</p> <p>Works must be carried out from 15 August to 31 October.</p> <p>A humus layer taken from the reservoir must be stored separately from other soil layers and planted at the stage of site reinstatement.</p> <p>If it is necessary to perform works within inter-embankment zone of the Koprzywnianka River, in other period, it is necessary to consult herpetologist.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
99.	<p><b>Development of slopes for ditches, water-courses and water reservoirs to allow for migration of animals</b>  <b>[RE: Subtask 1 only]</b></p> <p>It is necessary to build a canal in the inter-embankment zone, a bypass channel and slope of the Atramentówka watercourse and expansion tank in the manner enabling animal migration (e.g. it is necessary to consider appropriate slope falls and materials covering slopes).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 3<sup>rd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
100.	<p><b>Limitation of the scope of work in vicinity of Natura 2000 site</b> <b>[RE: <u>Subtask 4 only</u>]</b></p> <p>In the closest vicinity to Natura 2000 Tarnobrzeg Vistula River Valley PLH PLH180049, it is necessary to reduce a scope of work which can theoretically affect the site.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the 4<sup>th</sup> quarter of 2019.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 no issues with implementation were identified.</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4. From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p>
101.	<p><b>Ban to remove top-soil during the time of precipitation</b> <b>[RE: <u>Subtask 4 only</u>]</b></p> <p>It is forbidden to remove humus during heavy rainfalls and directly after the rain.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the 4<sup>th</sup> quarter of 2019.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 no issues with implementation were identified.</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4. From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p>
102.	<p><b>Limitation of the scope of earthworks and logging within the Koprzywianka's embanked area</b> <b>[RE: <u>Subtask 4 only</u>]</b></p> <p>Earthworks in the Koprzywianka River inter-embankment zone should be limited to a necessary minimum, all trees and shrubs which do not collide directly with the area of works should be left intact.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the 4<sup>th</sup> quarter of 2019.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2019 no issues with implementation were identified.</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4. From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
103.	<p><b>Acceptable time of works within sites where amphibians are present</b> <b>[RE: <u>Subtask 2</u> only]</b></p> <p>Works within the areas of a natural values, due to occurrence of species of amphibians (indicated by the Contractor's environmental team), should be conducted outside the period of March and April. This period may be prolonged if a herpetologist determined ongoing amphibians breeding.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 3<sup>rd</sup> quarter of 2019 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
104.	<p><b>Acceptable time of works within marshy sites</b> <b>[RE: <u>Subtask 4</u> only]</b></p> <p>Works on swampy areas will be carried out beyond the amphibian breeding season, i.e. beyond the period from March to April. This period may be prolonged if a herpetologist determined ongoing amphibians breeding.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>Within the reporting period, until the end of the 4<sup>th</sup> quarter of 2019, it was not necessary to implement the mitigation measure (works within wet sites discussed in item no. 104 under Appendix 1 to the EMP were not carried out).</p> <p>In the 4<sup>th</sup> quarter of 2019 the Employer withdrew from Contract 3B.1 in the range of Subtasks 3 and 4. From the 1<sup>st</sup> quarter of 2020 the mitigation measure falls within the scope of a separate Contract 3B.1/1.</p> <p>Lack of implementation of the mitigation measure did not form a deviation from the conditions determined under the EMP.</p>
105.	<p><b>Development of slopes for ditches, water-courses and water reservoirs to allow for migration of animals</b> <b>[RE: <u>Subtask 1</u> only]</b></p> <p>A relief channel, a canal in the inter-embankment zone and the banks of the levelling tank and the Atramentówka river should be all done in a way enabling migration of animals (appropriate slope of banks, appropriate selection of covering materials).</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 3<sup>rd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
106.	<p><b>Preventing accumulation of unfavourable impact on the environment</b></p> <p>Where areas of the implementation of respective structures are adjacent, it is necessary to ensure correct work organisation in order to limit the accumulation of negative environmental factors.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
107.	<p><b>Observing the conditions resulting from the occurrence of protected areas and objects</b></p> <p>During the construction works, the Contractor shall comply with standards, prohibitions and recommendations as well as respect limitations arising from the existence of areas and facilities formed under the Act of 16 April 2004 on environmental protection.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
108.	<p><b>Proceeding in case of discovering potential historic objects</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 Provincial Conservator of Historical Monuments, and if not possible, the Mayor of Sandomierz.</p> <p>The Contractor shall also inform the Engineer about the case.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (objects discussed in item no. 108 under Appendix 1 to the EMP were not identified).</p> <p>Lack of implementation of the mitigation measure did not form a deviation from the conditions determined under the EMP.</p>
109.	<p><b>Obtainment of PCHM for performance of recovery archaeological research</b></p> <p>For the purpose of implementing the above EMP conditions related to the protection of cultural landscape and monuments, the Contractor will also obtain the permit issued by the Provincial Conservator of Historical Monuments (PCHM) for the performance of archaeological rescue survey.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (it was stated that it is not necessary to obtain a permit discussed in item no. 109 under Appendix 1 to the EMP).</p> <p>Lack of implementation of the mitigation measure did not form a deviation from the conditions determined under the EMP.</p>
110.	<p><b>Development, acceptance, and implementation of SHP Plan, including a ban to make bonfires and to burn flammable materials on site</b></p> <p>The Contractor is responsible for health and safety of people, including fire protection - development of SHPP, obtaining acceptance of the Engineer for implementation of SHPP, which will remain in force until construction works completion.</p> <p>Requirements with regard to fire protection included in SHPP should include also prohibition on bonfires and combustion of flammable materials within the construction site.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>In the 1<sup>st</sup> and 3<sup>rd</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
111.	<p><b>Development, acceptance, and implementation of the Draft Construction Site Organization Plan</b></p> <p>The Contractor shall ensure the preparation, implementation after the approval by the Engineer of Building site organization design.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
112.	<p><b>Development, acceptance, and implementation of the Quality Assurance Plan</b></p> <p>The Contractor shall ensure the preparation, implementation after the approval by the Engineer of Quality assurance plan.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
113.	<p><b>Development, acceptance, and implementation of the Flood Protection Plan for the site</b></p> <p>The Contractor shall ensure the preparation, implementation after the approval by the Engineer of The construction site's flood management plan for the time of the works.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
114.	<p><b>Designation, marking and protection of dangerous zones</b></p> <p>Allocating dangerous zones which pose a risk to human health and life, and marking, with their use, warning boards, securing against unauthorized access.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
115.	<p><b>Assurance of safety for the works</b></p> <p>Ensuring health and safety in terms of organization - the Contractor shall ensure and maintain the safety of the works conducted.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
116.	<p><b>Designation of the construction site as far as possible from the residential areas</b></p> <p>Ensuring health and safety in terms of organization - the Contractor shall assign the construction area, as far as possible from the residential development areas in order to eliminate excessive noise and vibration emission at the time of the Task implementation.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>



Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
117.	<p><b>Protection and marking of the construction site</b></p> <p>The Contractor shall secure and provide marking in the building site.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
118.	<p><b>Establishment of traffic routes on the construction site</b></p> <p>The Contractor shall mark traffic routes of the building site.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
119.	<p><b>Development and acceptance of the traffic (evacuation) plan for the construction site in case of emergency</b></p> <p>The Contractor shall prepare a traffic plan (evacuation plan) for the construction site and site in emergency (fire, accident, technical failure, etc.), which will be approved by the Engineer prior to the commencement of works.</p>	<p><b>IMPLEMENTED</b></p> <p>The mitigation measure was implemented in the 1<sup>st</sup> quarter of 2018.</p> <p>No issues with implementation were identified.</p>
120.	<p><b>Efficiency and temporary inspections of machines and tools</b></p> <p>Protection health and safety in relation to applied technical measures by the use of efficient machines and tools subject to periodic service in accordance with the manufacturer's requirements.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 2<sup>nd</sup> quarter of 2019 and from the 1<sup>st</sup> quarter of 2020 to the 3<sup>rd</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
121.	<p><b><i>Application of machines and tools in accordance with their use purpose</i></b></p> <p>The Contractor is responsible for protection of health and safety in relation to applied technical measures by the use of machines and tools according to their intended use.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 1<sup>th</sup> quarter of 2019 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
122.	<p><b><i>Maintenance of machines and fueling in properly adapted places</i></b></p> <p>Machine maintenance and fuelling up must be carried out in separate place. These types of work must be carried out carefully in dedicated paved surfaces with adequate sorbents.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 2<sup>nd</sup> quarter of 2018 to the 3<sup>rd</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
123.	<p><b><i>Controlling the technical condition of machines and vehicles in order to limit noise emission</i></b></p> <p>It is required to ensure ongoing monitoring of a technical condition of machines, correct performance of works and strict adherence to the OH&amp;S regulations in order to eliminate an increased noise level within the works zone and in its immediate vicinity.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
124.	<p><b><i>Assurance of permanent visibility for barriers and signs</i></b></p> <p>The Contractor shall ensure constant visibility conditions during the day and at night of such structures and signs which are obligatory for safety reasons.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 3<sup>rd</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
125.	<p><b>Training on rules and conditions under the EMP and on rules for protection of the ground and water environment</b></p> <p>The Contractor is responsible for the training (including test on completion) of his management and engineering staff supervising the works, regarding terms and conditions of EMP as well as protection during construction works, prepared with an aid of the Contractor's environmental team.</p> <p>The Contractor's personnel who will have to deal with fuel and diesel oil should be immediately trained on the principles of protection of soil and water, as well as the application of sorbents.</p>	<p><b>IMPLEMENTED</b></p> <p>The mitigation measure was implemented in the 1<sup>st</sup> quarter of 2018 and in the 3<sup>rd</sup> quarter of 2020.</p> <p>No issues with implementation were identified.</p>
126.	<p><b>HIV-AIDS prevention actions</b></p> <p>(Clause 6.7 of the General Contract Conditions)</p> <p>HIV-AIDS prevention. The Contractor shall implement training and programme of raising awareness of spreading HIV-AIDS through an approved service provider and shall take all other measures outlined in the Agreement (General Conditions, Clause 6.7) in order to reduce a risk of HIV transfer among the Contractor's personnel and local population and it shall promote early diagnostics and support for infected people.</p> <p>Such actions shall be conducted during the whole term of the Contract (including Defects Notification Period) at least every second month. These shall be information, educational and awareness campaigns concerning the threats in the scope of spreading HIV-AIDS.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
127.	<p><b>Development and acceptance of the Waste Management Plan</b></p> <p>Within 42 days of the date of commencing works, the Contractor shall prepare and submit for the Engineer's approval Waste Management Programme, specifying management method for waste generated during works, considering, among others, guidelines within waste management contained in EMP.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the 1<sup>st</sup> quarter of 2018.</p> <p>From the 4<sup>th</sup> quarter of 2017 to the 1<sup>st</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
128.	<p><b>Environmental supervision during the works</b></p> <p>The Contractor's environmental team must be present throughout the whole construction works period.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
129.	<p><b>Tasks for environmental supervision team</b></p> <p>The Contractor's environmental team provides the observations of the area of construction works prior to works their implementation and during such works.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
130.	<p><b>Scope of environmental supervision</b></p> <p>The Contractor's environmental team responsibilities include:</p> <ul style="list-style-type: none"> <li>• inspection of area covered by construction works prior to their commencement and inspections during construction along with preparing relevant reports, constituting documentation of proper performance of environmental team and at the same time informing about due implementation of mitigation measures,</li> <li>• formulating and reporting to the Engineer requests with regard to the need actions (along with their execution) necessary to alleviate unfavourable effects of Task on natural habitats and species being the object of interest of the Community and subject to national legal protection (species protection) that were unforeseeable and/or impossible to disclose at the stage of agreeing on implementation terms of the concerned Task under the procedure aimed at issuance of the decision on environmental conditions, the activities may be implemented only after the Engineer's acceptance.</li> </ul>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
131.	<p><b>Development of applications for the obtainment of necessary RDOŚ/GDOŚ permits</b></p> <p>The Contractor's environmental team prepares required materials and motions for obtaining permission for deviation from the prohibitions connected with protected species of plants, fungi and animals under conditions and procedure specified in the Environmental Protection Act of 16 April 2004.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued (with breaks) until the 3<sup>rd</sup> quarter of 2019.</p> <p>No issues with implementation were identified.</p>
132.	<p><b>Development and acceptance of periodical reports on environmental supervision</b></p> <p>The Contractor's environmental team submits to the Engineer periodical reports (monthly, quarterly, final), which must be approved by the Engineer.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
133.	<p><b><i>Proceeding in case of finding unexploded shells and ordnance</i></b></p> <p>In the event of discovering unexploded shells the Contractor shall immediately stop the works and evacuate workers as well as notify the police and a licensed sapper unit.</p>	<p><b>NOT IMPLEMENTED</b></p> <p>It was not necessary to implement the mitigation measure within the reporting period (presence of unexploded shells and misfires discussed in item no. 133 under Appendix 1 to the EMP was not identified).</p> <p>Lack of implementation of the mitigation measure did not form a deviation from the conditions determined under the EMP.</p>
134.	<p><b><i>Sapper supervision during the earthworks</i></b></p> <p>The Contractor shall ensure sapper supervision throughout the performance of earthworks, which will consist in on-going inspection and clearance of the terrain from hazardous objects of a military origin and their disposal.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
135.	<p><b><i>Archaeological supervision during the works</i></b></p> <p>During the works, continuous archaeological supervision will be ensured.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>In the 1<sup>st</sup> quarter of 2018 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
136.	<p><b><i>Development and maintenance of marking for the construction site</i></b></p> <p>Contractor's OH&amp;S supervision shall be responsible for adequate marking of building site according to applicable laws. This marking shall be regularly controlled, in the case of destruction or theft of marking the Contractor shall promptly replace it or supplement it.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 1<sup>st</sup> quarter of 2018 and was continued until the end of the reporting period.</p> <p>From the 1<sup>st</sup> quarter of 2018 to the 4<sup>th</sup> quarter of 2020 issues with implementation of the measure were identified, as described in chapter 4.4 of this Report.</p>
137.	<p><b><i>Training on EMP rules and conditions</i></b></p> <p>The Contractor and Contractor's environment team is responsible for training of the rules and conditions of the EMP for Contractor's management and engineering-technical personnel.</p>	<p><b>IMPLEMENTED</b></p> <p>The mitigation measure was implemented in the 1<sup>st</sup> quarter of 2018 and in the 3<sup>rd</sup> quarter of 2020.</p> <p>No issues with implementation were identified.</p>

Item	Mitigation measures listed in Appendix 1 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
138.	<p><b>Monthly meetings on implementation of EMP conditions</b></p> <p>During the implementation of the tasks arising from the EMP will take place monthly team meetings PIO, Engineer and Contractor to discuss and monitor the implementation of mitigation and monitoring measures.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
<b>Cat. 07 REQUIREMENTS AFTER COMPLETION OF WORKS</b>		
139.	<p><b>Curing for sites sown with grass</b></p> <p>Places sowed with grass mix should be taken care of by means of mowing of flood embankments twice a year (in June and September) and removal of hard lichens.</p> <p>This activity includes also the Defects Notification Period.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 4<sup>th</sup> quarter of 2019 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>
140.	<p><b>Reinstatement of temporary acquisitions sites, management of top-soil layer, clearance of the site after completing the works</b></p> <p>Upon completing construction works, it is necessary to restore temporary occupation sites to their previous condition (original use).</p> <p>Humus shall be planted from the places where it had been removed and then sown with a mix of local grass species; the composition of the mix shall be agreed with the expert phytosociologist/botanist.</p> <p>After the completion of works the site shall be cleared and left in the condition as similar as possible to the original one.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the mitigation measure commenced in the 2<sup>nd</sup> quarter of 2019 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

## Part II. Check List for implementation of monitoring measures listed in Appendix 2 to the EMP for Contract 3B.1

This part of Appendix no. 1 to the *Final Report on implementation of measures determined in the Environmental Management Plan (EMP)* for Contract 3B.1 presents a check list for implementation of monitoring measures listed in Appendix 2 to the EMP within the reporting period.

In case of Contract 3B.1 the monitoring measures given in Appendix 2 to the EMP refer to the implementation monitoring for particular 140 mitigation measures given in Appendix 1 to the EMP only.

Table 2. Check List for implementation of monitoring measures listed in Appendix 2 to the EMP for Contract 3B.1.

Item	Monitoring measures according to Appendix 2 to the EMP	Implementation status in the reporting period
(1)	(2)	(3)
1.-140.	<p><b><i>Monitoring of implementation for mitigation measures listed in Appendix 1 to the EMP</i></b></p> <p>Monitoring of implementation for 140 mitigation measures listed in items 1-140 under Appendix 1 to the EMP.</p> <p><i>Detailed guidelines for implementation of this measure, given in Appendix 2 to the EMP in items 1-140:</i></p> <p><u>Subject of monitoring</u></p> <p>In conformity with descriptions given in items 1-140 under Appendix 2 to the EMP.</p> <p><u>Place of monitoring</u></p> <p>In conformity with descriptions given in items 1-140 under Appendix 2 to the EMP.</p> <p><u>Methods of monitoring</u></p> <p>In conformity with descriptions given in items 1-140 under Appendix 2 to the EMP.</p> <p><u>Period and frequency of monitoring</u></p> <p>In conformity with descriptions given in items 1-140 under Appendix 2 to the EMP.</p> <p><u>Unit responsible for monitoring</u></p> <p>In conformity with descriptions given in items 1-140 under Appendix 2 to the EMP.</p>	<p><b>IMPLEMENTED</b></p> <p>Implementation of the monitoring measures commenced in the 4<sup>th</sup> quarter of 2017 and was continued until the end of the reporting period.</p> <p>No issues with implementation were identified.</p>

**Part III. Quantitative summary of implementation of measures listed in Appendix 1 and 2 to the EMP for Contract 3B.1**

This part of Appendix no. 1 to the *Final Report on implementation of measures determined in the Environmental Management Plan (EMP)* for Contract 3B.1 presents a quantitative summary of implementation of measures listed in Appendix 1 and 2 to the EMP within the reporting period.

Table 3. Quantitative summary of implementation of measures listed in Appendix 1 and 2 to the EMP for Contract 3B.1.

Category	Mitigation measures (items no. 1-140 under Appendix 1 to the EMP)		Monitoring measures (items no. 1-140 under Appendix 2 to the EMP)	
	N	Item no.	N	Item no.
Measures implemented in the reporting period	132	items no. 1-8, 10-78, 80-93, 96-103, 105-107, 110-132, 134-140	140	items no. 1-140
Measures not implemented in the reporting period (there was no need to implement)	8	items no. 9, 79, 94, 95, 104, 108, 109, 133	0	–