

# FINAL REPORT

## ON THE IMPLEMENTATION OF THE MEASURES SPECIFIED IN THE ENVIRONMENTAL MANAGEMENT

### PLAN

FOR CONTRACT 2A.1/1

Odra-Vistula Flood Management Project

Subcomponent	2A: Active protection
Contract	<b>2A.1/1 – Construction of “Boboszów” – a dry flood control reservoir on Nysa Kłodzka River</b>
Employer / Project Implementation Unit	State Water Holding Polish Waters Regional Water Management Authority in Wrocław
Project Implementation Office (PIO)	Project Implementation Office of the Odra-Vistula Flood Management Project
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## INTRODUCTION

This document, prepared by the Contract Engineer under the Contract for Consulting Services no. 5.4 *Design and Construction Supervision. Project Management, Technical Assistance and Training, Technical Support for the Project and Strengthening of PIU's Institutional Capacity in the implementation of the Odra-Vistula Flood Management Project*, presents the final report on the implementation of the measures specified in the Environmental Management Plan (EMP) for Works Contract 2A.1/1 – *Construction of "Boboszków" – a dry flood control reservoir on Nysa Kłodzka River*.

The report covers the following period:

- Commencement date of implementation of Contract 2A.1/1 (i.e. **01/25/2018**);
- Date of completion of the works considered to be essential works, resulting from the Time for Completion for the above-mentioned Contract (Taking-Over Certificate) (i.e. **06/30/2023**);
- End date of the Defects Notification Period (Performance Certificate) (i.e. **10/31/2024**).

The following is presented respectively for this Contract:

- Basic information on Contract 2A.1/1 (including, inter alia, the physical scope and basic dates of the Contract);
- Basic information on the Environmental Management Plan for Contract 2A.1/1;
- Organisational system for supervising the implementation of the Environmental Management Plan;
- Implementation status of m i t i g a t i o n measures listed under Appendix 1 to the EMP;
- Implementation status of m o n i t o r i n g measures listed under Appendix 2 to the EMP;
- Description of other activities and events concerning ESHS;
- Summary.

## 1 BASIC INFORMATION ON CONTRACT 2A.1/1

The Works Contract 2A.1/1 Construction of "Boboszów" – a dry flood control reservoir on Nysa Kłodzka River was implemented as part of the Odra-Vistula Flood Management Project (OVFM Project), under Component 2: Flood protection of the Kłodzka Valley, Subcomponent: 2A Active protection.

An agreement with the Contractor for Contract 2A.1/1 was signed on December 6, 2017. The construction site was handed over on January 25, 2018. As the Construction Site was handed over, the Contractor started preparation works prior to the commencement of construction works, and contract documentation required prior to the commencement of construction works was being developed.

The original Time for Completion of the Contract was envisaged for 973 days counting from the date of issuing the Notice to Proceed and expired on 12/04/2021. As a result of the signed Amendments to the Contract, the completion date of works was set to 06/30/2023.

The basic information about the Contract is presented below.

### Title of the Contract:

2A.1/1 Construction of "Boboszów" – a dry flood control reservoir on Nysa Kłodzka River

Key dates for Contract 2A.1/1 are presented below.

Table 1 Key Dates of Contract 2A.1/1.

Activity	Date
Signing of the Contract with Contractor	December 6, 2017
Construction Site handover	January 25, 2018
Issue of the Taking-Over Certificate	June 30, 2023
End of the Defects Notification Period	October 31, 2024

The need arose, when implementing mitigation and monitoring measures, to introduce changes to the EMP in the form of relevant annexes and decisions:

- The update of the EMP resulting from the amendment of the environmental decision and the decisions granting permits for derogations in relation to protected species of plants.
- Annex no. 1 to the EMP concerning works related to the construction of an alternative route to the Site bypassing the town of Międzylesie.
- Annex no. 2 to the EMP concerning the extension of the validity of the decision of RDOŚ in Wrocław for a permit for derogations in relation to protected species of plants and animals.
- Annex no. 3 to the EMP concerning the temporary closure of the municipal road 119952 D connecting the towns of Boboszów and Pisary.

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- Annex no. 4 to the EMP concerning a change in the condition of the environmental decision for location of nesting boxes for White-Throated Dipper.
- Annex no. 5 to the EMP concerning the extension of the validity of the decision of RDOŚ in Wrocław granting a permit for derogations from prohibitions in relation to the individuals of protected species of plants and animals.

**Physical scope:**

Contract 2A.1/1 consisted of the construction of a flood protection reservoir, the basic elements of which were:

- The reservoir's dam including sluice facilities and control and measurement equipment,
- Relocation and regulation of riverbed of the Nysa Kłodzka,
- Development of the headwater and tailwater station,
- Operating backyard building,
- Road infrastructure and lighting,
- Relocation of municipal road no. 119952D Boboszków-Pisary, colliding with reservoir construction,
- Environmental protection activities.

## **2 BASIC INFORMATION ON THE EMP FOR CONTRACT 2A.1/1**

The Environmental Management Plan for Contract 2A.1/1 was developed in January 2017 (final version). On March 1, 2017, the World Bank awarded a No Objection approving the Environmental Management Plan as one of the integral components of bidding documents, and then of the Contract for construction works. The EMP was respected by the Works Contractor in accordance with the hierarchy of documents applicable to the Contract. The document systematised the activities undertaken under the Contract, obliging all those involved in the implementation of the Contract to comply with the provisions contained therein. A detailed description of the Contract implementation conditions for environmental management was developed in the form of appendices to the EMP - Appendix 1 containing the Plan of mitigation measures, and Appendix 2 containing the Plan of monitoring measures.

### **2.1 CONDITIONS DEFINED IN APPENDIX 1 TO THE EMP**

Appendix 1 of the EMP for Contract 2A.1/1 contains 128 mitigation measures to prevent and reduce the negative environmental impacts of the project. These measures were established based on the conditions contained in the valid administrative decisions in scope of environmental protection issued for the Contract (included in Appendix 4 of the EMP), as well as based on the procedural requirements of the World Bank and based on the additional conditions defined during works over EMP preparation. The table of mitigation measures in Appendix 1 of the EMP describes the individual measures and identifies where they will be implemented and who will be responsible for their implementation. The mitigation measures given in Appendix 1 of the EMP fall into the following 22 thematic categories:



*Table 2 Thematic categories of measures specified in Appendix 1 of the EMP for Contract 2A.1/1.*

<b>Cat.</b>	<b>Category Name</b>	<b>Item at EMP checklist</b>
A.	Requirements on schedule of works	1-3
B.	Requirements on traffic system of the Task implementation area	4
C.	Requirements on locations of site facilities and service roads and yards	5-6
D.	Requirements on the quality and management of soils	7-9
E.	Requirements on handling of topsoil	10
F.	Requirements on felling of trees and bushes	11-19
G.	Requirements on protection of trees and bushes not intended for felling	20-26
H.	Requirements on securing protected natural resources	27-43
I.	Detailed requirements on works in beds of watercourses	44-63
J.	Detailed requirements on works when relocating power lines	64-65
K.	Detailed requirements on final lighting for the reservoir area	66
L.	Requirements on recreation of the site after completion of construction works	67-70
M.	Requirements on prevention of environmental pollution	71-90
N.	Requirements on waste management	91-95
O.	Requirements on health and safety protection	96-101
P.	Requirements on extraordinary threats to the environment	102-104
R.	Requirements on conservation of historic monuments	105-107
S.	Measures related to the restoration of natural environment resources	108-117
T.	Implementation of the measures specified in RDOŚ decision permitting derogations from prohibitions on protection of species of plants and animals	118
U.	Requirements on verification of geodetic division used in the EMP	119
V.	Requirements on the Contractor's personnel implementing the EMP	120-125
W.	Requirements on reporting of EMP implementation	126-128

The content of the individual mitigation measures in Appendix 1 of the EMP is provided in the Checklist attached as Appendix no. 1 to this Report.

## **2.2 CONDITIONS DEFINED IN APPENDIX 2 TO THE EMP**

Appendix 2 of the EMP for Contract 2A.1/1 contains 134 monitoring measures aimed at monitoring the implementation of the mitigation measures described in Appendix 1 and at implementation of nature monitoring requirements defined in the environmental decision. The tabular list of monitoring measures is presented in Appendix 2 of the EMP. The table of monitoring measures determines, inter alia, the monitoring places, the method of monitoring, the period and frequency of monitoring, as well as the units responsible for conducting the monitoring.

### **3 SYSTEM OF SUPERVISION OVER THE IMPLEMENTATION OF THE MEASURES SPECIFIED IN THE EMP FOR CONTRACT 2A.1/1**

Supervision over the implementation of the mitigation measures and monitoring measures specified in the EMP for Contract 2A.1/1 was conducted at the level of all organisational units participating in the execution of the Contract, i.e. the Works Contractor, Engineer, Project Implementation Office (PIO) and Project Coordination Unit (PCU). All of the organisational units mentioned above participated regularly once a month during the Contract implementation period in working meetings, from which minutes were recorded, dedicated to the discussion and control of the mitigation and monitoring measures specified in the EMP (item 125 of Appendix no. 1 and Appendix no. 2 of the EMP). Information on the scope of the particular units' activities is presented below.

#### **3.1 CONTRACTOR**

The Site Manager was the person directly responsible for implementing the measures defined in the EMP on behalf of the Works Contractor. As per item no. 121 of Appendix 1 to the EMP, in order to provide support to the Site Manager in the implementation of the EMP, the EMP Coordinator was appointed within the Contractor's team. This person's obligation was to supervise the implementation of particular conditions of the EMP in subsequent stages of the Contract implementation; cooperate with the Site Manager, the rest of the Contractor's personnel, to cooperate with persons responsible for the implementation of the EMP in the Engineer's and Employer's team, and also to conduct current reporting in the above-mentioned scope. Furthermore, in accordance with items 122, 123 and 124 of Appendix 1 of the EMP, the Contractor has ensured the participation of a team of experts of environmental, archaeological and sapper supervision, in the scope consistent with EMP implementation.

After the end of each month, the Contractor submitted a report on the implementation of the measures defined in the EMP with a checklist describing the current implementation status of the individual EMP conditions for the given month. The list was forwarded to the Key Expert/Specialist for Environmental Management in the Engineer's team, together with the relevant attachments (including in particular notes, opinions/notes of environmental supervision, etc.).

#### **3.2 ENGINEER**

The Key Expert/Specialist for Environmental Management, cooperating in this regard with the Resident Engineer, supervision inspectors and other members of the Engineer's team providing investor's supervision over the project implementation, exercised direct supervision over the implementation of the EMP conditions on behalf of the Engineer's team. The Expert/Specialist for Environmental Management was in regular contact with the Contractor's EMP Coordinator, by establishing the scope of conditions needed to be met at a given stage of the works, overseeing the implementation status of individual EMP conditions, participating in problem solving and conducting the Construction Site inspections. After the end of each reporting period (month and quarter), the Expert/Specialist for Environmental Management reviewed the Contractor's environmental documentation and prepared reports submitted to the Project Implementation Office.

#### **3.3 PROJECT IMPLEMENTATION OFFICE (PIO)**

The Environmental Specialist, cooperating in this regard with the Head of the PIO, other members of the PIO, exercised direct supervision over the implementation of the EMP conditions on behalf of the Project Implementation Office (PIO). The PIO's specialist remained in contact with the Expert/Specialist for Environmental Management in the Engineer's team, overseeing the implementation status of the particular conditions of the EMP and engaging in resolving the current issues.

After the end of each reporting period (month and quarter), the Environmental Specialist reviewed the current environmental documentation of the Contract (including reporting to RDOŚ in Wrocław).

Quarterly reports on the implementation of the EMP for a given reporting period were submitted by the PIO in Wrocław to the Project Coordination Unit (to the extent consistent with the terms of the EMP).

### **3.4 PROJECT COORDINATION UNIT (PCU)**

The Expert for Environmental Management, cooperating in this regard with the other members of the PCU's team, exercised direct supervision over the implementation of the EMP conditions on behalf of the Project Coordination Unit. The Expert remained in regular contact with the Head of the PIO and with the Environmental Specialist in the PIO team. He/she also cooperated with those responsible for the implementation of the EMP on behalf of other organisational units of the investment process, namely the Key Expert for Environmental Management and Specialist for Environmental Management in the Engineer's team, as well as the Site Manager and the EMP Coordinator in the Contractor's team. The Expert for Environmental Management oversaw the implementation status of individual EMP conditions, by engaging in resolving the current issues in the scope mentioned above. After the end of each quarterly reporting period, the Expert reviewed the environmental documentation provided by the PIO and prepared an input to the PCU's reports subsequently submitted to the World Bank.

#### 4 IMPLEMENTATION STATUS OF MITIGATION MEASURES UNDER APPENDIX 1 TO THE EMP

This chapter describes the implementation status of 128 mitigation measures aimed to prevent and reduce the negative environmental impacts of the project on the condition of the environmental resources listed in Appendix 1 of the EMP for Contract 2A.1/1. Information on the implementation of these measures is also provided in the *Checklist* attached as *Appendix no. 1* to this report. The measures defined in the EMP were started to be implemented as from the date of the instruction to commence Construction Works of 01/25/2018, and completed after the Defects Notification Period of 10/31/2024.

##### 4.1 CONTRACTOR'S MEASURES

In line with the content of Appendix 1 to the EMP for Contract 2A.1/1, the unit responsible for implementation of the mitigation measures determined in items 1-128 under Appendix 1 of the EMP is the Contractor, in items 127 and 128 under Appendix 1 of the EMP is the Engineer and Employer, whilst in items 108-117 and 127-128 is the Employer after Contract completion. In total, the EMP provided for the implementation of 128 mitigation measures. In line with information submitted by the Contractor and according to the Engineer's and Employer's information:

- a) 128 mitigation measures were implemented within the reporting period, including:
- 128 mitigation measures were implemented to the date of essential completion of the works covered by the Contract (items 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 18, 19, 20, 21, 22, 23, 24, 26, 27, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 49, 50, 55, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128 under Appendix 1 of the EMP).
  - a) implementation of 45 mitigation measures was finally completed before the date of essential completion of the works covered by the Contract (items 3, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 23, 24, 25, 29, 30, 32, 33, 34, 38, 39, 43, 48, 52, 53, 54, 55, 56, 57, 58, 59, 64, 65, 77, 97, 105, 107, 114, 115, 116, 117, 119, 120 under Appendix 1 of the EMP).

The mitigation measures were implemented by the Contractor with the participation of specialists from the Contractor's team of environmental experts. The team was composed of the following persons within the reporting period: herpetologist, ornithologist, chiropterologist, entomologist, phytosociologist, dendrologist, bryologist, ichthyologist, theriologist. The Contractor's resources also included: sapper and archaeological supervision.

The mitigation measures were agreed upon/accepted (if required by the conditions of the Contract and/or the EMP) and supervised by the Engineer, with participation of the Expert/Specialist for Environmental Management and Contract Engineer.

##### 4.2 ENGINEER'S MEASURES

As per the information provided in monthly and quarterly reports on the implementation of the measures specified in the EMP, within the reporting period the Contractor was implementing 2 mitigation measures in cooperation with the Contractor and the Employer – item no. 127, 128 concerning the provision of information on the implementation of the following EMP conditions: 13, 15, 16, 17, 22, 23, 34, 108, 109, 110, 111, 112, 114, 115, 116, 117, 118 to the Regional Directorate for Environmental Protection in Wrocław.

No irregularities were found in this area within the current reporting period.

#### 4.3 INVESTOR'S MEASURES

As per the information provided in monthly and quarterly reports on the implementation of the measures specified in the EMP, within the reporting period the Employer was implementing 2 mitigation measures in cooperation with the Contractor and the Engineer – item no. 127, 128 concerning the provision of information on the implementation of the following EMP conditions: 13, 15, 16, 17, 22, 23, 34, 108, 109, 110, 111, 112, 114, 115, 116, 117, 118 to the Regional Directorate for Environmental Protection in Wrocław.

No irregularities were found in this area within the current reporting period.

In the operation phase, however, the Employer will be responsible for conducting maintenance works for the flood protection reservoir for items 112, 113, 114, 115, 116, 117 under Appendix 1 to the EMP.

#### 4.4 PROBLEMS CONC. IMPLEMENTATION OF MITIGATION MEASURES UNDER APPENDIX 1 TO THE EMP

In line with the information provided in monthly and quarterly reports on the implementation of the measures specified in the EMP, the following issues and/or inconsistencies associated with implementation of 7 mitigation measures listed under Appendix 1 to the EMP for Contract 2A.1/1 were identified (in the order according to the item numbers under Appendix 1 to the EMP):

- **Item 10** under Appendix 1 to the EMP (fourth quarter of 2020 and third quarter of 2021) – *Removal, storage, and use of topsoil.*  
It was found within the above time that the topsoil heaps located on the Construction Site had been driven over by a vehicle working on site and polluted with loose construction material. The Contractor did not properly protect the stored topsoil against pollution, driving of vehicles and compaction. In addition, the topsoil in the heaps also came from the sites of protected butterfly species. The Engineer provided his comments to the Contractor, who removed the defaults by protecting the topsoil heaps in line with the provisions of the EMP.  
The above default had no actual impact on the environment.
- **Item 20** under Appendix 1 to the EMP (second quarter of 2019) – *Protection of trunks of trees not intended for felling.*  
At the date indicated above, the Engineer found that the trees not intended to be felled along the repaired road were not secured, which could lead to tree damage. The Engineer provided his comments to the Contractor, who secured the trunks of the trees not intended for felling. The above default had no actual impact on the environment.
- **Item 21** under Appendix 1 to the EMP (third quarter of 2020 and third quarter of 2021) – *Protection of areas below tree and bush crowns.*  
It was found at the date indicated above that the Contractor stored loose construction materials less than 1 m from the boundary of the tree crown projection, which may have increased compaction and altered soil aeration in the immediate vicinity of the tree, which may have resulted in deterioration of its condition. The Engineer provided his comments to the Contractor who removed the defaults and immediately deposited the construction material in a location consistent with the provisions of the EMP.  
The above default had no actual impact on the environment.
- **Item 22** under Appendix 1 to the EMP (second quarter of 2019) – *Preventive pruning of tree branches exposed to damage.*  
The Engineer found at the above date that the Contractor did not perform advance treatment of trees and bushes that could be damaged. The Engineer provided his comments to the Contractor, who made preventive pruning of branches of trees not planned for felling.

The above default had no actual impact on the environment.

- **Item 26** under Appendix 1 to the EMP (third quarter of 2019 and second quarter of 2023) – *Securing of damaged trees and bushes.*  
At the date indicated above, it was found that trees were damaged as a result of conducted construction works. The Engineer provided his comments to the Contractor, who secured the damaged trees and carried out remedial works, i.e. protecting the damage caused with horticultural ointment and carrying out tree boarding.  
The above default had no actual impact on the environment.
- **Item 36** under Appendix 1 to the EMP (fourth quarter of 2019) – *Securing the Task execution area against small animals entering the site.*  
At the date indicated above, it was found that the inclination of the slope at places where works are currently performed is not secured with the mesh to prevent small animals from entering the excavation area, which could have caused animals to move freely into the area of the works, which consequently could lead to their injury or death. The Engineer provided his comments to the Contractor who informed he made mesh protection along the excavation.  
The above default had no actual impact on the environment.
- **Item 83** under Appendix 1 to the EMP (fourth quarter of 2019) – *Proceedings in the case of emission of petroleum derivatives.*  
At the date indicated above, the Engineer found places of leakage of petroleum substances. The Engineer provided his comments to the Contractor who informed that immediate actions were taken to prevent the spread of the pollutants in the presence of the Engineer's Personnel. In addition, the Contractor provided training on the rules of conduct in the event of a spill of petroleum substances.  
The above default had no actual impact on the environment.
- **Item 93** under Appendix 1 to the EMP (fourth quarter of 2020) – *Keeping the roads clean.*  
At the date indicated above, the Engineer found that the roads used by vehicles working on the Site were contaminated with mud. The Engineer passed his comments to the Contractor and the Contractor intensified his road cleaning activities.  
The above default had no actual impact on the environment.

## **5 IMPLEMENTATION STATUS FOR MONITORING MEASURES UNDER APPENDIX 2 TO THE EMP**

In accordance with the content of Appendix 2 to the EMP for Contract 2A.1/1, the units responsible for implementation of the monitoring measures specified in items 1-120 and 122-134 under Appendix 2 of the EMP is the Contractor, in items 1-128 and 134 under Appendix 2 of the EMP is the Engineer, and in items 129-133 under Appendix 2 of the EMP is the Employer. In total, the EMP envisaged the implementation of 134 monitoring measures, and all the measures should be executed within the implementation period.

### **5.1 CONTRACTOR'S MEASURES**

Within the reporting period, the Contractor was implementing measures associated with implementation monitoring for mitigation measures, as described in Appendix 2 to the EMP. The monitoring was carried out by:

- verification of requirements determined under the EMP for the current stage of works;
- verification of the documents related to the implementation of the conditions under the EMP;
- regular inspections on the site of works; the measures listed under Appendix 2 to the EMP;
- regular arrangements with representatives of the Engineer and of the Employer.

- a) The Employer implemented 133 (99%) monitoring measures within the reporting period, including:
  - 133 (100%) measures were implemented in the scope required within the reporting period (items no. 1-120 and 122-134 under Appendix 2 to the EMP).
  - for any of the measures, no problems and/or irregularities were identified in their implementation.
- b) The cases of lack of implementation for monitoring measures attributable to the Contractor were not identified within the reporting period.

Monitoring measures were implemented by the Contractor with the participation of specialists from the Contractor's environmental team.

### **5.2 ENGINEER'S/CONSULTANT'S MEASURES**

Within the reporting period, the Engineer was implementing measures associated with implementation monitoring for mitigation measures, as described in Appendix 2 to the EMP. The monitoring was carried out by:

- verification of requirements determined under the EMP for the current stage of works;
- verification of the Contractor's and Employer's documents related to the implementation of the conditions under the EMP;
- regular inspections on the site of works;
- measures listed under Appendix 2 to the EMP;
- continuous arrangements with representatives of the Contractor and of the Employer.

The Engineer implemented 129 (96%) monitoring measures within the reporting period, including:

- c) the Engineer/Consultant implemented 129 (100%) monitoring measures within the reporting period, including:
  - 129 (100%) measures were implemented in the scope required within the reporting period (items no. 1-128 and 134 under Appendix 2 to the EMP);
  - for any of the measures, no problems and/or irregularities were identified in their implementation.

- d) Cases of lack of implementation for monitoring measures attributable to the Engineer/Consultant were not identified within the reporting period.

Monitoring measures were implemented by the Engineer with participation of specialists from the environmental team, including environmental management experts/environmental management specialists, inspectors and Contract Engineer.

### **5.3 INVESTOR'S MEASURES**

Within the reporting period, the Employer was implementing measures associated with implementation monitoring for mitigation measures, as described in Appendix 2 to the EMP. The monitoring was carried out by:

- verification of requirements determined under the EMP for the current stage of works;
- verification of the Contractor's and Engineer's documents related to the implementation of the conditions under the EMP;
- regular inspections on the site of works;
- measures listed under Appendix 2 to the EMP;
- continuous arrangements with representatives of the Contractor and of the Engineer.

The Employer implemented 5 (3.7%) monitoring measures within the reporting period, including:

- 5 (100%) measures were implemented in the scope required within the reporting period (items no. 129, 130, 131, 132, 133 under Appendix 2 to the EMP);
- for any of the measures, no problems and/or irregularities were identified in their implementation.

Cases of lack of implementation for monitoring measures attributable to the Employer were not identified within the reporting period.

Furthermore, within the reporting period, the Employer was supervising the implementation of 129 monitoring measures attributable to the Contractor and to the Engineer, in accordance with Appendix 2 to the EMP.

Monitoring measures and supervision measures within the scope relating to the EMP were implemented by the Employer with participation of the PIO's technical and environmental specialists.

### **5.4 PROBLEMS CONC. IMPLEMENTATION OF MONITORING MEASURES UNDER APPENDIX 2 TO THE EMP**

In line with the information provided in monthly reports on the implementation of the measures specified in the EMP, no problems were found in implementation of the monitoring measures specified in Appendix 2 of the EMP for Contract 2A.1/1.



## **6 OTHER MEASURES AND EVENTS RELATED TO THE ENVIRONMENT, LOCAL COMMUNITY, HEALTH AND SAFETY**

### **6.1 CONTRACTOR'S MEASURES**

Within the reporting period, the Contractor conducted preparatory and construction works under Contract 2A.1/1, and, notably, implemented the particular measures determined in the Environmental Management Plan within the scope attributable to the Contractor.

### **6.2 ENGINEER'S MEASURES**

Within the reporting period, the Engineer supervised the works conducted under Contract 2A.1/1 and implemented particular measures determined in the Environmental Management Plan within the scope attributable to the Engineer.

### **6.3 INVESTOR'S MEASURES**

Within the reporting period, the Investor performed its actions associated with implementation of Contract 2A.1/1, and implemented the particular measures determined in the Environmental Management Plan within the scope attributable to the Investor, and supervised actions of the Contractor and of the Engineer.

### **6.4 OTHER MEASURES**

Within the reporting period, an epidemic state was in force at the territory of the Republic of Poland in relation to SARS-CoV-2 virus infections, causing COVID-19 disease. The activities of the Contractor, the Engineer/Consultant and the Investor in the implementation of the measures related to the Environmental Management Plan were aligned with the applicable sanitary requirements related to the prevention of the spread of the SARS-CoV-2 virus.

### **6.5 EXCEPTIONAL EVENTS, THREATS AND CATASTROPHES**

No extraordinary events, threats and catastrophes were noted during the reporting period.

### **6.6 ACCIDENTS AND OTHER EVENTS**

#### **6.6.1 Accidents with participation of Contractor's employees**

In the reporting period, no accidents involving the Contractor's employees were recorded.

#### **6.6.2 Accidents with participation of people authorised to access the site**

A non-fatal accident occurred at the Boboszków Reservoir Construction Site within the reporting period (January 17, 2023). The accident occurred while working at height to attach the power cable to the S2 pole, standing on internal road no. 5, and ultimately connecting it to the building switchgear, located next to the service building. While executing the above-mentioned works from height, the Contractor's worker fell as a result of the basket slipping out of the forks of a Volvo 360 excavator, operated by an operator from a service company. The injured person was in a basket intended for works at heights. Emergency services (ambulance, police, fire brigade) were called immediately after the incident. The injured was conscious after the fall and was taken in such condition to the ED in Polanica Zdrój.

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The Contractor took additional measures to reduce the risk of such accidents occurring in the future. On January 18, 2023, instructional training was provided on compliance with health and safety rules and the use of personal protective equipment.

**6.6.3 Accidents with participation of outsiders**

In the reporting period, no accidents involving the outsiders were recorded.

**6.6.4 Other events**

No other incidents at the Construction Site were recorded during the reporting period.

**6.7 ENSURING THE CONDITIONS OF WORK AND PAY FOR THE PERSONNEL**

Within the reporting period, the Contractor ensured the appropriate conditions of work with adherence to the provisions of the labour law binding in Poland.

**6.8 PREVENTING THE CASES OF SEXUAL HARASSMENT AND MOBBING**

Within the reporting period, no cases of sexual harassment and mobbing occurred.

## 7 SUMMARY

This report presents an account of the implementation of the measures specified in the Environmental Management Plan (EMP) for the project: *2A.1/1 – Construction of "Boboszków" - a dry flood control reservoir on Nysa Kłodzka River* under the Odra-Vistula Flood Management Project (OVFMP).

The report comprises the implementation period of the measures defined under the Environmental Management Plan, executed at the key dates of the Contract:

- the instruction to commence Construction Works under the Contract 2A.1/1 (i.e. of January 25, 2018);
- completion of works considered to be essential works, resulting from the Time for Completion (i.e. until June 30, 2023);
- Defects Notification Period of 365 days from issuing the Taking-Over Certificate (i.e. until October 31, 2024).

Within the reporting period, the Contractor conducted construction works within the scope covered by the Contract (see description in chapter 1), including the implementation of 128 mitigation measures specified in the EMP, was monitoring 133 items specified in the EMP and was attending other events related to the environment, local community, health and safety.

Within the reporting period, the Engineer supervised the construction works conducted under Contract 2A.1/1 and, inter alia, was implementing the particular measures determined in the Environmental Management Plan within the scope attributable to the Engineer. The Engineer was monitoring the implementation status of 129 mitigation measures specified in the EMP and was attending other events related to the environment, local community, health and safety.

Within the reporting period, the Employer performed the assigned actions connected with implementation of Contract 2A.1/1 and, inter alia, implemented the particular measures specified in the Environmental Management Plan in the scope attributable to the Employer, was monitoring the implementation status of mitigation measures specified in the EMP and was attending other events related to the environment, local community, health and safety.

As a result of the monitoring measures conducted by the Contractor, the Engineer and the Employer, it was found that the following was done within the reporting period:

- 128 of 128 mitigation measures specified in Appendix 1 of the EMP were implemented, of which:
- for 120 mitigating measures listed in Appendix 1 to the EMP, executed in the reporting period, no recurring problems in their implementation were identified,
- for 8 mitigating measures executed in the reporting period, listed in Appendix 1 to the EMP, no recurring problems in their implementation were identified,
- 134 of 134 monitoring measures under Appendix 2 to the EMP were put into life.

## 8 SOURCE MATERIALS

- Decision of the Regional Director for Environmental Protection in Wrocław of February 27, 2015, ref.: WOOŚ.4233.8.2012.ŁCK.47 specifying environmental conditions for the project entitled: *Construction of "Boboszków" – a dry flood control reservoir on Nysa Kłodzka River*.
- Decision of the Regional Director for Environmental Protection of April 6, 2016, ref.: DOOŚ-oa1.4233.21.2015.is.15 revoking partly the decision of the Regional Director for Environmental Protection in Wrocław of February 27, 2015, ref.: WOOŚ.4233.8.2012.ŁCK.47
- Decision of the Mayor of the Town and Commune of Międzyzlesie of February 17, 2015, ref.: ITiG.603.1-D.2015 on the lack of need to conduct an environmental impact assessment for the project entitled: *Construction of "Boboszków" – a dry flood control reservoir on Nysa Kłodzka River for relocation (disassembly and construction in the new location) of the municipal road between Boboszków and Pisary with the construction of the necessary exits to individual properties*.
- Decision of the Regional Director for Environmental Protection of June 4, 2019 ref.: DOOŚ-WDŚ/zoo.420.238.2018.is.14 amending the Decision of the Regional Director for Environmental Protection in Wrocław of February 27, 2015, ref.: WOOŚ.4233.8.2012.ŁCK.47 on environmental conditions for the project entitled: *Construction of "Boboszków" – a dry flood control reservoir on Nysa Kłodzka River*, revoked partly, as to which a new wording was ruled, and for the remainder upheld by the decision of the General Director for Environmental Protection of April 6, 2016, ref.: DOOŚ-oa1.4233.21.2015.is.15.
- Decision of the Regional Director for Environmental Protection in Wrocław of March 5, 2019, ref.: WPN.6400.6.2019.MH on revoking the decision of the Regional Director for Environmental Protection in Wrocław, ref.: WPN.6401.266.2015.IW.2 of January 8, 2016 granting a permit for derogations from prohibitions in relation to the individuals of protected species of plants and animals.
- Decision of the Regional Director for Environmental Protection in Wrocław of March 5, 2019, ref.: WPN.6400.27.2018.MH.1 on amending the final decision of the Regional Director for Environmental Protection in Wrocław, ref.: WPN.6400.27.2018.IL of June 29, 2018 on granting a permit for destruction of the sites of protected species of plants without replanting to the site suitable for the habitat and on changing the validity date of the decision.
- Environmental Management Plan for Contract 2A.1/1.
- Contractor's Monthly Reports on the implementation status of the Environmental Management Plan.
- Opinions and notes of the Contractor's Nature Supervision.
- Notes of the meetings dedicated to the implementation of the Environmental Management Plan.

## **9 LIST OF APPENDICES**

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

Appendix 2 – Photographic documentation for Contract 2A.1/1.