



**FINAL REPORT ON THE IMPLEMENTATION OF THE MEASURES SPECIFIED IN THE ENVIRONMENTAL
MANAGEMENT PLAN
FOR CONTRACT 2B.2/1**

Odra-Vistula Flood Management Project

Subcomponent	2B: Passive protection
Contract	2B.2/1 – Flood protection of cities along Biała Łądecka river: Stronie Śląskie, Łądek Zdrój
Employer / Project Implementation Unit	State Water Holding Polish Waters Regional Water Management Authority in Wrocław
Project Implementation Office (PIO)	Odra-Vistula Flood Management Project Implementation Office
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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 2B.2/1 – *Flood protection of cities along Biała Łądecka river: Stronie Śląskie, Łądek Zdrój*.

The report covers the following period:

- Commencement date of implementation of Contract 2B.2/1 (i.e. **08/02/2023**);
- 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)
 - Task no. 1: 10/28/2025
 - Task no. 2: 10/28/2025
 - Task no. 3: 10/28/2025
 - Task no. 4: 10/28/2025

The following is presented respectively for this Contract:

- Basic information on Contract 2B.2/1 (including, inter alia, the physical scope and basic dates of the Contract);
- Basic information on the Environmental Management Plan for Contract 2B.2/1;
- Organizational 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 2B.2/1

The Works Contracts 2B.2/1 *Flood protection of cities along Biała Łądecka river: Stronie Śląskie, Łądek Zdrój* was implemented as part of the *Odra-Vistula Flood Management Project* (OVFM Project), under Component 2: *Flood protection of the Kłodzka Valley*, Subcomponent: 2B *Passive protection*.

The Contract consisted of 4 Subtasks:

- Task no. 1: *Execution of works related to the reconstruction of facilities on the Biała Łądecka River in the town of Stronie Śląskie.*
- Task no. 2: *Execution of works related to the reconstruction of facilities on the Morawa Stream in the town of Stronie Śląskie.*
- Task no. 3: *Execution of works related to the reconstruction of facilities on the Biała Łądecka River in the town of Łądek Zdrój.*
- Task no. 4: Execution of works related to intervention works after the flood in the Nysa Kłodzka catchment.

For the Task no. 1, 2 and 3, the Works encompassed the modernization of flood protection facilities together with engineering infrastructure, including: reprofiling of retaining walls, renovation of bank revetments, construction of retaining walls, improving the flow capacity of the riverbed, reconstruction of the overhead teletechnical line.

As a result of the passage of a flood wave, with catastrophic consequences, on the rivers of the Nysa Kłodzka catchment area in September 2024, on the areas covered by the Regulation of the Council of Ministers of September 16, 2024 on the introduction of a state of natural disaster in the area of parts of the Lower Silesian, Opole and Silesian Provinces – it was necessary to: tidy up the areas damaged after the flood, rebuild the damaged regulatory structures, perform intervention works aimed at removing from the riverbeds the remnants of destroyed water structures and facilities, preventing further damage to the water infrastructure and the related technical infrastructure, as well as securing the embankments and water facilities that have survived the flood. As a result of the circumstances described, guided by the economics of executing the Works consisting in the broadly understood removal of the effects of the flood of September 2024, it has become justified to extend the scope of Works under the Contract with Task no. 4.

An agreement with the Contractor for Contract 2B.2/1 was signed on August 02, 2023. The Construction Site for the Łądek Zdrój facility was handed over on August 30, 2023 and for the Stronie Śląskie facility on September 26, 2023. Preparation works prior to the commencement of construction works started in September 2023, contract documentation required prior to the commencement of construction works was developed.

Originally, the completion of the Contract was planned at June 30, 2025. However, when the flood wave had passed through the rivers of the Nysa Kłodzka catchment area in September 2024, Amendments to the Contract were signed which extended the implementation date to September 30, 2025.

Key dates for Contract 2B.2/1 are presented below:

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

Activity	Date
Signing of the Contract with Contractor	August 02, 2023
Handover of the Construction Site	September 26, 2023 August 30, 2023
Task 1 and 2	
Task 3	
Issue of the Taking-Over Certificate (Task 1, 2, 3, 4)	October 28, 2025
Contractual end of the Defects Notification Period	September 30, 2026

2 BASIC INFORMATION ON THE EMP FOR CONTRACT 2B.2/1

The Environmental Management Plan for Contract 2B.2/1 was developed in August 2021 (final version). On September 1, 2021, the World Bank awarded a *No Objection* approving the Environmental Management Plan, which became an integral component 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 systematizes 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*, Appendix 2 containing the *Plan of monitoring measures* and Appendix 7 containing the *Plan of mitigation and monitoring measures for intervention and rescue works*.

It became necessary, when implementing the Contract 2B.2/1, to introduce changes to the EMP in the form of relevant annexes to the EMP:

- Annex no. 1 to the EMP concerning the introduction to the EMP of correction of the decision of RDOŚ correcting a provision in the Project Description, being an attachment to the DEC for the project;
- Annex no. 2 to the EMP concerning the introduction of a list of measures for intervention and rescue works after the flood of September 2024.

As a result of the passage of the flood wave in September 2024 and the occurrence of damage to water infrastructure in the Contract 2B.2/1 implementation area, it was necessary to execute intervention and rescue works. To ensure that these measures are in line with environmental requirements and OVFMP and World Bank procedures, Annex no. 2 to the EMP was introduced, extending the existing rules to include guidelines dedicated to flood works. Annex no. 2 has introduced Appendix no. 7 containing an additional plan of mitigation and monitoring measures for intervention and rescue works. The document comprises more than 86 measures organized into 16 area categories, analogous to the structure of Appendix no. 1 and Appendix no. 2 to the EMP. An appropriate environmental framework for the works executed after the flood was ensured by introducing Appendix no. 7, enabling such works to be executed in a manner consistent with the applicable requirements of the Contract and the EMP. A detailed description and implementation status of the measures from Appendix no. 7 is presented in Appendix no. 1 in tabular form to this Final EMP Report.

2.1 CONDITIONS DEFINED IN APPENDIX 1 TO THE EMP

Appendix 1 to the EMP for Contract 2B.2/1 contains 123 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 no. 4 of the EMP), as well as from the procedural requirements of the World Bank and from 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 21 area categories:

Table 2 Area categories of measures specified in Appendix 1 of the EMP for Contract 2B.2/1.

Category Name	Item in the table
GENERAL REQUIREMENTS	
01 - LOCATION AND LIMITATION REQUIREMENTS FOR TEMPORARY OCCUPATION AND THEIR ORGANIZATION	1 - 4
02 - BUY-OUTS AND COMPENSATION REQUIREMENTS	5 - 6
03 - REQUIREMENTS FOR THE WORKS IMPLEMENTATION SCHEDULE AND EMP IMPLEMENTATION	7 - 8
04 - REQUIREMENTS CONCERNING THE COMMUNICATION SERVICE OF THE TASK IMPLEMENTATION AREA	9 - 10
05 - REQUIREMENTS FOR THE MANAGEMENT OF SOIL MASSES	11 - 13
06 - PRINCIPLES OF TOP SOIL HANDLING AND RECLAMATION OF LAND SUBJECT TO TEMPORARY OCCUPATIONS	14 - 16
07 - REQUIREMENTS FOR FELLING, PROTECTING TREES AND SHRUBS	17 - 24
08 - ENVIRONMENTAL POLLUTION AND EMISSION PREVENTION REQUIREMENTS	25 - 39
09 - REQUIREMENTS CONCERNING HANDLING WASTE	40 - 45
10 - REQUIREMENTS RELATING TO THE PREVENTION AND ERADICATION OF INVASIVE PLANT SPECIES	46 - 47
11 - GENERAL PRINCIPLES OF CARRYING OUT WORKS WITHIN BEDS OF WATERCOURSES	48 - 57
12 - ANIMATED NATURE PROTECTION REQUIREMENTS	58 - 72
13 - REQUIREMENTS CONCERNING THE PROTECTION OF CULTURAL MONUMENTS	73 - 75
14 - HUMAN HEALTH AND SAFETY REQUIREMENTS	76 - 87
15 - REQUIREMENTS FOR PROTECTION OF BUILDINGS AGAINST NOISE AND VIBRATION	88
16 - REQUIREMENTS FOR THE CONTRACTOR'S PERSONNEL INVOLVED IN THE IMPLEMENTATION OF THE EMP	89 - 95
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21 - DETAILED REQUIREMENTS – STRONIE ŚLĄSKIE FACILITY	117 - 123

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 2B.2/1 contains 135 monitoring measures aimed at monitoring the implementation of the mitigation measures described in Appendix 1 and at implementing the 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 implementing the monitoring.

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

The implementation of the mitigation measures and monitoring measures specified in the EMP for Contract 2B.2/1 was supervised at the level of all organizational 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 organizational 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 75 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. 68 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 Contract implementation; to 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 69, 70, 71, 72 of Appendix 1 of the EMP, the Contractor ensured the participation of a team of experts of environmental, archaeological, OHS 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 organizational 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 123 mitigation measures from Appendix 1 to the EMP aimed to prevent and reduce the negative environmental impacts of the project on the condition of the environmental resources listed in Appendix 1 to the EMP for Contract 2B.2/1. 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 08/30/2023 (Łądek - Zdrój) and 09/26/2023 (Stronie Śląskie), and were completed after submitting the Taking-Over Certificate on 10/28/2025.

4.1 CONTRACTOR'S MEASURES

In line with the content of Appendix 1 to the EMP for Contract 2B.2/1, the Contractor is responsible for implementing the mitigation measures defined in items nos. 1-5, 7-123 in Appendix 1 of the EMP, in item no. 5 in Appendix 1 of EMP - Employer and Contractor, in item no. 6 in Appendix 1 of the EMP - Employer, in items nos. 7 and 8 in Appendix 1 of the EMP - Engineer and Contractor, whilst in item no. 97 in Appendix 1 of the EMP - Employer, Engineer, Contractor. In line with information submitted by the Contractor and according to the Engineer's and Employer's information:

a) 123 mitigation measures were implemented within the reporting period, including:

- 109 mitigation measures were implemented to the date of essential completion of the works covered by the Contract
(items nos. 1, 2, 3, 4, 5, 6, 8, 9, 12, 13, 20, 21, 22, 23, 24, 26, 28, 29, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 58, 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, 108, 109, 110, 111, 112, 113, 114, 116, 117, 118, 119, 120, 121, 122, 123, 124, 126, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137 in Appendix 1 of the EMP).
- a) implementation of 4 mitigation measures had been finally completed prior to the date of essential completion of the works covered by the Contract (items nos. 71, 58, 110, 117 in Appendix 1 of the EMP).
- b) 4 mitigation measures were not implemented to the date of essential completion of the works covered by the Contract
(items nos. 111, 112, 119, 121 in Appendix 1 of the EMP).
- c) 5 mitigation measures did not relate to the works executed under the Contract (items nos. 15, 46, 55, 63, 104 in 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, ichthyologist, theriologist. The Contractor's resources also included sapper, OHS 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 in total 2 mitigation measures in cooperation with the Contractor and the Employer (items nos. 7 and 8), and also one measure (item no. 97) in cooperation with the Contractor and the Employer:

The items indicated concerned the EMP conditions connected with the dates of conducting the works, as well as the activities required to be carried out prior to the commencement of works or at the initial stage of works, as well as discussing the EMP implementation principles during working meetings and at Site Councils. No irregularities were identified in this scope under Contract 2B.2/1 during the implementation and reporting period of EMP implementation.

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 one mitigation measure (item no. 6). One mitigation measure (item no. 5) was pursued in liaison with the Contractor, whereas one measure (item no. 97) – in cooperation with the Engineer and the Contractor. These activities concerned regulations governing temporary land occupation, complaint and grievance submission mechanisms, as well as the discussion of ESMP implementation during technical working meetings and Construction Council sessions.

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

4.4 PROBLEMS CONC. IMPLEMENTATION OF MITIGATION MEASURES UNDER APPENDIX 1 AND 7 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 5 mitigation measures listed under Appendix 1 and 7 to the EMP for Contract 2B.2/1 were identified within the reporting period (in the order according to the item numbers under Appendix 1 or 7 to the EMP):

- **Item no. 3** in Appendix 1 to the EMP (first quarter of 2004) – *Location of places of temporary occupation in relation to the trees and the riverbed.*

An inconsistency was found in the above reporting period consisting of storing construction material by the Contractor too close to trees and shrubs not intended to be felled on the Construction Site. The stored material was in the zone of potential impact on the root system and on low-lying parts of the plants, which was not in compliance with the EMP requirements and the applicable rules for the protection of greenery during the execution of works. When the inconsistency was identified, the Contractor took immediately corrective steps consisting of removing the material from the collision area and restoring the proper buffer zones around the protected trees and shrubs. Moreover, the site was inspected to identify other places of potential threat and staff were reminded of the procedures in place to protect the greenery. The incident, thanks to the rapid response and limited scope, had no actual impact on the environment.

- **Item no. 22** under Appendix 1 to the EMP (first quarter of 2024) – *Protection of trees exposed to damage.*

A problem occurred with the implementation of the measure in the first quarter of 2024. It was found that trees not intended for felling, situated on the Construction Site and exposed to potential damage during the works conducted, had not been appropriately secured. The Contractor, after receiving the comments, took immediate steps to properly secure the trees in the location indicated by the Contract Engineer. The safeguards were implemented as recommended, to reduce the risk of further damage during the construction works. The shortcoming, as corrective measures were implemented rapidly, had no actual impact on the environment.

- **Item no. 23** under Appendix 1 to the EMP (first quarter of 2024) – *Care measures in case of damage to trees and shrubs.*
A problem relating to the implementation of the measure specified in the EMP occurred in the first quarter of 2024. The aboveground parts of the trees not intended for removal, located in the immediate vicinity of the conducted works, were found to be damaged during inspection. The damage may have resulted from the movement of construction equipment and the storage of materials too close to the trees. The Contractor took immediately corrective steps when the inconsistency was reported. The damaged parts of the plants were secured under the close supervision of an expert dendrologist, who determined the extent of appropriate protection and care methods. In order to reduce the risk of similar incidents occurring in the future, as a precautionary measure, the immediate zone of works was also inspected and equipment movement rules were clarified. No actual impact on the environment was caused by the inconsistency because the intervention was undertaken promptly.
- **Item no. 57** under Appendix 1 to the EMP (second quarter of 2024) – *No movement or extraction of material from the bottom of riverbed.*
An irregularity in implementation of the measure specified in the EMP was recorded in the second quarter of 2024. It was found during inspection that that Contractor has incidentally moved material from the bottom of the riverbed from an area outside the scope of construction works.
When the event was identified, the Contractor implemented corrective actions to return the material to its correct location and to bring the method of performing the works into line with the EMP requirements. Technical training was additionally provided on the principles of interference with the riverbed and the restrictions resulting from the environmental documentation. The event did not cause a measurable or lasting impact on the environment.
- **Item no. 15** under Appendix 7 to the EMP (second quarter of 2025) – *Protection of trees exposed to damage.*
An irregularity was recorded in the second quarter of 2025 in implementation of the protective measures for securing the trees not intended for felling located in the impact zone of the construction works conducted. Protective guards were not used, which constituted a non-compliance with the provisions of the EMP for minimum requirements for the protection of tall greenery. The Contractor, when the default was reported, has implemented corrective measures including the installation of physical protection of trees in the location indicated by the Contract Engineer. Protective measures were employed, adjusted to the anticipated mechanical load resulting from equipment movement and material storage in the direct neighborhood of greenery. The default did not have any actual impact on the environment because corrective measures were promptly taken and there was no damage to trees.
- **Item no. 16** under Appendix 7 to the EMP (third quarter of 2025) – *Care measures in case of damage to trees and shrubs.*
Damage to the aboveground parts of trees on the Construction Site were found in the 3rd quarter of 2025. When the default was reported, the Contractor - under the supervision of a qualified dendrologist - implemented urgent corrective measures including securing and protecting the damaged parts of trees. The measures taken were in line with the applicable rules for the protection of greenery and have minimized the potential impact of the works conducted. The non-compliance did not cause permanent environmental damage nor deterioration of the tree stand condition.

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 2B.2/1, the units responsible for implementation of the monitoring measures specified in items nos. 1 - 135 under Appendix 2 of the EMP is the Contractor, in items nos. 1 - 135 under Appendix 2 to the EMP is the Engineer, and in items nos. 97, 116-122, 130-135 under Appendix 2 to the EMP is the Employer. In total, the EMP envisaged the implementation of 135 monitoring measures, and 123 measures should be executed within the implementation period (until issuing the Taking-Over Certificate).

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 Contractor's 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; and
- regular arrangements with representatives of the Engineer and of the Employer.

The Employer implemented 135 (100%) monitoring measures within the reporting period, including:

- 123 (91%) measures were implemented in the scope required within the reporting period (items nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 67, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 122, 123, 124, 125, 126, 127, 128, 129 under Appendix 2 to the EMP);
- 9 (7%) measures were not implemented in the reporting period, but will be continued within the Defects Notification Period (items nos. 116, 118, 120, 121, 130, 131, 132, 134, 135 under Appendix 2 to the EMP);
- 3 (2%) measures were not implemented within the reporting period (items no. 117, 119, 133 under Appendix 2 to the EMP).

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/Consultant implemented 135 (100%) monitoring measures within the reporting period, including:

- 123 (91%) measures were implemented in the scope required within the reporting period (items nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 67, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 122, 123, 124, 125, 126, 127, 128, 129 under Appendix 2 to the EMP);
- 9 (7%) measures were not implemented in the reporting period, but will be continued within the Defects Notification Period (items nos. 116, 118, 120, 121, 130, 131, 132, 134, 135 under Appendix 2 to the EMP);
- 3 (2%) measures were not implemented within the reporting period (items no. 117, 119, 133 under Appendix 2 to the EMP).

Cases of lack of implementation for monitoring measures attributable to the Engineer/Consultant were not identified within the reporting period. Cases of lack of implementation for monitoring measures attributable to the Engineer 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 14 (100%) monitoring measures within the reporting period, including:

- 2 (14%) measures were implemented in the scope required within the reporting period (items nos. 97, 122 under Appendix 2 to the EMP).
- 9 (64%) measures were not implemented in the reporting period, but will be continued within the Defects Notification Period (items nos. 116, 118, 120, 121, 130, 131, 132, 134, 135 under Appendix 2 to the EMP);
- 3 (21%) measures were not implemented within the reporting period (items no. 117, 119, 133 under Appendix 2 to the EMP).

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 135 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 specialist.

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 2B.2/1.

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 2B.2/1, and, inter alia, 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 2B.2/1 and implemented the 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 assigned measures associated with implementation of Contract 2B.2/1, and implemented the particular measures determined in the Environmental Management Plan within the scope attributable to the Investor, and supervised the Contractor's and the Engineer's measures.

6.4 OTHER MEASURES

No other measures for implementation of the conditions specified by the EMP were undertaken in the reporting period.

6.5 EXCEPTIONAL EVENTS, THREATS AND CATASTROPHES

In September 2024, the implementation area of Contract 2B.2/1 was affected by a passage of a catastrophic flood wave, which caused significant damage to water infrastructure and elements under construction. The flood has caused damage to regulatory structures, altered riverbeds and compromised previously constructed reinforcements, which directly affected the ability to continue the Works and the safety of residents in adjacent areas.

As a result of the event, immediate rescue and intervention works had to be undertaken, including the removal of remnants of the destroyed structures, securing critical sections, and rebuilding damaged infrastructure. After submissions to relevant regional directorates for environmental protection, which did not raise objections, it was possible to immediately begin works under the procedure envisaged for emergency events.

As a result of the situation arising, adjustments were necessary to the environmental conditions of conducting the Works and part of the scope of the Contract had to be reviewed. Annex no. 2 to the Environmental Management Plan was established as a consequence, under which Appendix no. 7 was introduced – Plan of mitigation and monitoring measures for intervention and rescue works. This document defined the modified rules for execution of works in flood conditions and enabled to manage properly the actions necessary after the occurrence of an emergency event.

6.6 ACCIDENTS AND OTHER EVENTS

6.6.1 Accidents with participation of the Contractor's employees

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

6.6.2 Accidents with participation of people authorized to access the site

In the reporting period, no accidents involving the people authorized to access the construction site were recorded.

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 labor 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

The implementation of Contract 2B.2/1 – Flood protection of cities along Biała Łądecka river: Stronie Śląskie, Łądek Zdrój – was conducted in accordance with the principles specified in the Environmental Management Plan (EMP) and the requirements of the Odra-Vistula Flood Management Project (OVFMP). The scope of this report covers the entire period of implementation of environmental measures, starting from the handover of the Construction Sites on August 30, 2023 (Łądek-Zdrój) and September 26, 2023 (Stronie Śląskie), until the issuance of the Taking-over Certificates on October 28, 2025.

Within the reporting period, the Contractor conducted construction works in line with the Contract and implemented the mitigation and monitoring measures resulting from the EMP. The Engineer supervised the execution of works and compliance with environmental requirements, while the Employer performed the tasks assigned to him and monitored the correct implementation of EMP provisions.

As stipulated in the report:

- 123 mitigation measures were implemented as required prior to issuing the Taking-Over Certificate,
- 123 monitoring measures were implemented, and the measures required to be continued will be conducted within the Defects Notification Period,
- minor defaults have been rectified and had no lasting impact on the environment.

A passage of a catastrophic flood wave in September 2024, which caused significant damage to water infrastructure and elements under construction, was a significant event affecting the progress of Contract implementation. Immediate rescue and intervention works were undertaken, after prior submissions to relevant regional directorates for environmental protection, which did not raise objections. As it was necessary to adapt environmental rules to intervention works, Annex no. 2 to the EMP was prepared and introduced, under which Appendix no. 7 was formally introduced – Plan of mitigation and monitoring measures for intervention and rescue works. This document enabled to properly manage works in flood conditions and ensured the continuation of works in accordance with environmental protection principles.

No incidents were recorded over the reporting period that could negatively affect human safety or violations of working conditions. No cases of mobbing or harassment occurred, and no accidents at work or incidents involving third parties were reported.

To summarize, the progress in implementation of the measures specified in the Environmental Management Plan for Contract 2B.2/1 was correct, as per the administrative decisions, Contract provisions and World Bank policies. The consequences of the flood of 2024 could have been managed effectively and the works could be continued safely and in accordance with law by introducing Annex no. 2 together with Appendix no. 7. The environmental and technical objectives of the investment have been achieved.

8 LIST OF APPENDICES

Appendix 1 – Checklist for implementation of measures listed under Appendix 1, 2 and 7 to the EMP for Contract 2B.2/1.

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