

FINAL REPORT

ON IMPLEMENTATION OF MEASURES

DETERMINED IN THE ENVIRONMENTAL MANAGEMENT PLAN


for the Contract 3A.2/3

Odra-Vistula Flood Management Project

OVFMP Subcomponent	3A Flood Protection of Upper Vistula Towns and Cracow
Contract Task	3A.2/3.1 Flood protection in Serafa Valley – Malinówka 3 reservoir
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Project Implementation Office (PIO)	Project Implementation Office in Cracow 22. Marszałka J. Piłsudskiego Street, 31-109 Cracow, Poland
Contractor of Works	<p style="text-align: center;">Stage I</p> <p style="text-align: center;">Keller Polska Sp. z o.o.</p> <p style="text-align: center;">172. Poznańska Street, 05-850 Ożarów Mazowiecki, Poland</p> <p style="text-align: center;">Stage II</p> <p style="text-align: center;">JV of:</p> <p style="text-align: center;">PBWI w Krakowie Sp. z o.o. – Leader</p> <p style="text-align: center;">17. Bogucka Street, 30-020 Wieliczka, Poland</p> <p style="text-align: center;">Hamer Polska Sp. z o.o. Sp.k. – Partner</p> <p style="text-align: center;">66. Gromadzka Street, 30-719 Cracow, Poland</p>
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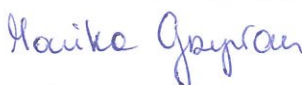
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INTRODUCTION

This paper, as developed by the Contract Engineer within the framework of Consulting Services Contract no. 5.2 *Design and Construction Supervision. Project Management, Technical Assistance and Training, Technical Support for the Project and Strengthening of PIU's Institutional Capacity*, presents a final report on implementation of measures determined in the Environmental Management Plan (EMP) for Works Contract 3A.2/3 *Flood protection in Serafa Valley – Malinówka 3 reservoir*¹.

The report covers the following period:

- from the Commencement Date for the Works under Contract 3A.2/3 (i.e. **from August 10, 2022**);
- to the completion date for the works considered as essential, as results from the Time for Completion for the aforementioned Contract (i.e. **to April 25, 2025**).

The following was presented for the Contract:

- basic information on Contract 3A.2/3 (including e.g. the scope of works and basic deadlines for the Contract);
- basic information on the Environmental Management Plan for Contract 3A.2/3;
- organizational system for supervision over implementation of the EMP;
- status of implementation for mitigation measures listed in Appendix 1 to the EMP;
- status of implementation for monitoring measures listed in Appendix 2 to the EMP;
- description of other measures and events associated with the ES.

¹ According to the information provided in chapter 2, Work Contract 3A.2/3 *Flood protection in Serafa Valley – Malinówka 3 reservoir* was implemented in two stages: in year 2022 (as Contract **3A.2/3**) and, after the change of the Contractor, in years 2023-2025 (as Contract **3A.2/3.1**). Since the works were carried out throughout the entire period based on the same Environmental Management Plan developed for Contract 3A.2/3, in this Report, for the sake of simplicity, both stages are referred to as **Contract 3A.2/3**.

1 SUMMARY

This report presents a summary on implementation of the measures determined in the Environmental Management Plan (EMP) for Works Contract 3A.2/3 *Flood protection in Serafa Valley – Malinówka 3 reservoir* within the framework of the *Odra-Vistula Flood Management Project* (OVFMP).

The report refers to the measures implemented in the following period:

- from the Commencement Date for the Works under Contract 3A.2/3 (i.e. **from August 10, 2022**);
- to the completion date for the works considered as essential, as results from the Time for Completion for the aforementioned Contract (i.e. **to April 25, 2025**).

Within the reporting period the Contractor carried out works in the range given in the Contract 3A.2/3 (see: description in chapter 2), implemented 89 mitigation measures determined in the EMP (see: description in chapter 5.1), monitored the implementation status of 102 mitigation measures determined in the EMP (see: description in chapter 6.1), and participated in other events referring to the environment, local society, and health and safety (as listed in chapter 7.1).

Within the reporting period the Engineer supervised the works in progress within the framework of Contract 3A.2/3, implemented individual measures determined in the Environmental Management Plan in the range assigned to the Engineer (see: description in chapter 5.2), monitored the implementation status of all 103 mitigation measures determined in the EMP (see: description in chapter 6.2), and participated in other events referring to the environment, local society, and health and safety (as listed in chapter 7.2).

Within the reporting period the Investor performed measures assigned to it in the range of Contract 3A.2/3 implementation, including e.g. implementing of particular measures determined in the Environmental Management Plan in the range assigned to the Investor (see: description in chapter 5.3) and supervising over actions of the Contractor and of the Engineer.

As a result of the monitoring and / or supervisory measures implemented by the Contractor, by the Engineer, and by the Investor, it was identified within the reporting period that:

- a) 90 out of 103 mitigation measures listed in Appendix 1 to the EMP were implemented, including:
 - issues with implementation were not identified in case of 86 measures;
 - issues and / or inconsistencies associated with implementation were identified in case of 4 measures, described in chapter 5.4 (in no case did they cause significant negative impacts on the environment).
- b) 13 out of 103 mitigation measures listed in Appendix 1 to the EMP were not implemented, including:
 - implementation of 13 measures was not necessary throughout the entire reporting period.

- c) 103 out of 103 monitoring measures listed in Appendix 2 to the EMP were implemented, including the following:
- issues and / or inconsistencies associated with implementation were not identified in case of any of the measures.

The Check List referring to implementation of the mitigation measures and of the monitoring measures listed in Appendix 1 and in Appendix 2 to the EMP, respectively, within the reporting period, was presented in Appendix no. 1 to this *Report*.

2 BASIC INFORMATION ON CONTRACT 3A.2/3

Works Contract 3A.2/3 *Flood protection in Serafa Valley – Malinówka 3 reservoir* was implemented under *Odra-Vistula Flood Management Project* (OVFM Project), as a part of Component 3 *Flood Protection of the Upper Vistula* and Subcomponent 3A *Flood Protection of Upper Vistula Towns and Cracow*.

Due to a change of the Contractor, Contract 3A.2/3 was carried out in two stages, separated by a break of about a year. An agreement with the first Contractor was signed on February 11, 2022, and the works were commenced on August 10, 2022. In November 2022, the Contractor stopped carrying out the work covered by the Contract¹, and on November 24, 2022, the Investor withdrew from the Contract due to the Contractor's fault. In 2023, tender procedures were conducted to re-select the Contractor. An agreement with the second Contractor was signed on December 18, 2023. The works were commenced on February 2, 2024. The Time for Completion (457 days from the date of handing over the construction site) expired on April 25, 2025.

Basic information about the Contract is presented below.

Name of the Contract:

Flood protection in Serafa Valley – Malinówka 3 reservoir.

Contractor:

a) **Stage I** – from February 2022 to November 2022²

Keller Polska Sp. z o.o.

(172. Poznańska Street, 05-850 Ożarów Mazowiecki, Poland).

b) **Stage II** – from December 2023 to April 2025

JV of:

Przedsiębiorstwo Budownictwa Wodno-Inżynieryjnego w Krakowie Sp. z o.o. – Leader
(17. Bogucka Street, 30-020 Wieliczka, Poland)

Hamer Polska Sp. z o.o. Sp.k. – Partner

(66. Gromadzka Street, 30-719 Cracow, Poland).

¹ By that time, the Contractor had conducted preparatory activities and had not yet started the actual construction work (among others, he had prepared the documents necessary before starting the work, organized the construction site and cut down trees and shrubs).

² On November 24, 2022, the Investor withdrew from the Contract due to the Contractor's fault.

Scope of Works:

Contract 3A.2/3 concerns:

construction of the dry flood storage reservoir Malinówka 3
(with an area of approx. 3.1 ha and a capacity of 56,000 m³ at maximum impoundment)
at chainage km 2+990 of the Malinówka Stream
with an earth-fill front dam, earth-fill side dams, spillway and discharge facilities,
and a stilling basin).

Basic dates for the Contract:

Stage I (as Contract 3A.2/3):

Agreement signing date:	February 11, 2022
Date of handing over the construction site:	August 3, 2022
Commencement Date for the Works:	August 10, 2022
Time for Completion:	370 days from the date of handing over the construction site
Date of withdrawal from the Contract by the Contractor:	November 2, 2022
Date of withdrawal from the Contract by the Investor due to the Contractor's fault:	November 24, 2022

Stage II (as Contract 3A.2/3.1):

Agreement signing date:	December 18, 2023
Date of handing over the construction site:	January 24, 2024
Commencement Date for the Works:	February 2, 2024
Time for Completion:	457 days from the date of handing over the construction site
Signing date for Annex no. 1:	June 21, 2024
Signing date for Annex no. 2:	September 24, 2024
Signing date for Annex no. 3:	1 April, 2025
Completion Date for the Works (according to the Time for Completion):	April 25, 2025

3 BASIC INFORMATION ON THE EMP FOR CONTRACT 3A.2/3

The Environmental Management Plan for Contract 3A.2/3 was developed in January 2021 (final version). On February 20, 2021 the World Bank issued “No Objection” acceptance approving the Environmental Management Plan as one of documents for the bidding procedure applied to select the Contractor of construction works under the Contract. It is a document systematizing actions undertaken within the framework of the Contract and obliging all units participating in implementation of the Contract to observe the provisions given therein. A detailed description of contract implementation conditions referring to the environmental management has been developed in the form of appendices to the EMP – Appendix 1 containing the *Mitigation Measures Plan* (see description in chapter 3.1, below), and Appendix 2 containing the *Monitoring Measures Plan* (see description in chapter 3.2, below).

3.1 MITIGATION MEASURES DETERMINED IN APPENDIX 1 TO THE EMP

Appendix 1 to the EMP for Contract 3A.2/3 contains 103 mitigation measures, which are to prevent and limit adverse impact of the investment on the environment. Those measures result from contents of the decisions on environmental conditions, as issued for the Contract in question (given in Appendix 4 to the EMP), as well as from procedural requirements of the World Bank and additional conditions determined during the works on development of the EMP. Table of mitigation measures given in Appendix 1 to the EMP described particular measures and determined locations of their implementation, as well as the units responsible for their implementation.

Mitigation measures listed in Appendix 1 to the EMP belong to the following 19 categories:

- a) requirements on schedule of works and implementation of the EMP
(items no. 1-2 under Appendix 1 to the EMP);
- b) requirements on purchase and compensation
(items no. 3-4 under Appendix 1 to the EMP);
- c) requirements on access roads access to the Contract area
(items no. 5-12 under Appendix 1 to the EMP);
- d) requirements on location of site facilities and service roads and yards
(items no. 13-15 under Appendix 1 to the EMP);
- e) requirements on removal of trees and shrubs
(items no. 16-17 under Appendix 1 to the EMP);
- f) requirements on protection of trees and shrubs not intended for removal
(items no. 18-24 under Appendix 1 to the EMP);
- g) requirements on securing the protected environmental resources
(items no. 25-40 under Appendix 1 to the EMP);
- h) requirements on ground management (including top-soil)
(items no. 41-44 under Appendix 1 to the EMP);

- i) requirements on land reclamation after completion of works and replacement planting of trees and shrubs (items no. 45-48 under Appendix 1 to the EMP);
- j) requirements on prevention of pollution emission to the ground and water environment (items no. 49-60 under Appendix 1 to the EMP);
- k) requirements on prevention of pollution emission to the air (items no. 61-63 under Appendix 1 to the EMP);
- l) requirements on prevention of noise emission (items no. 64-67 under Appendix 1 to the EMP);
- m) requirements on waste management (items no. 68-72 under Appendix 1 to the EMP);
- n) requirements on protection of health and safety of people (items no. 73-79 under Appendix 1 to the EMP);
- o) requirements on exceptional hazards to the environment (items no. 80-83 under Appendix 1 to the EMP);
- p) requirements on the protection of cultural heritage (items no. 84-85 under Appendix 1 to the EMP);
- q) requirements on the Contractor's personnel implementing the EMP (items no. 86-90 under Appendix 1 to the EMP);
- r) requirements on implementation reports for the EMP (items no. 91-92 under Appendix 1 to the EMP);
- s) remaining ES requirements (items no. 93-103 under Appendix 1 to the EMP).

Contents of individual mitigation measures given in Appendix 1 to the EMP have been quoted in the *Check List* forming *Appendix no. 1* to this report.

3.2 MONITORING MEASURES DETERMINED IN APPENDIX 2 TO THE EMP

Appendix 2 to the EMP for Contract 3A.2/3 contains a set of 103 monitoring measures, which are to monitor implementation of mitigation measures described in Appendix 1. A tabulated summary of monitoring measures, as given in Appendix 2 to the EMP, contains the same breakdown into categories as in case of the mitigation measures. The table of monitoring measures determines e.g. location, method, time, and frequency of monitoring, as well as the units responsible for its implementation.

4 SYSTEM OF SUPERVISION OVER IMPLEMENTATION OF MEASURES DETERMINED IN THE EMP FOR CONTRACT 3A.2/3

Supervision over implementation of mitigation measures and monitoring measures determined in the EMP for Contract 3A.2/3 was performed on the level of all of the organizational units participating in the Contract implementation, i.e. Contractors, Engineer, Project Implementation Office (PIO), and Project Coordination Unit (PCU). Information on the scope of performance for individual units is presented below.

4.1 CONTRACTOR

A person directly responsible for implementation of measures determined in the EMP on the Contractor's side was the Site Manager. In accordance with item no. 86 in Appendix 1 to the EMP, in order to provide support to the Site Manager in the implementation of the EMP, the EMP Coordinator has been appointed in the Contractor's team. The task of that person was an ongoing cooperation with the Site Manager, with the remaining members of the Contractor's personnel, and with the Environmental Management Expert of the Engineer's team in securing implementation of the EMP conditions, as well as provision of ongoing reporting in that range. Furthermore, in accordance with items no. 87, 88 and 89 under Appendix 1 to the EMP, the Contractor assured participation of expert teams of environmental, archaeological and sapper supervision, in the scope compliant with the EMP requirements.

After completing each month, the EMP Coordinator summarized the current status of implementation of individual EMP conditions (in the form of a checklist). Information on the implementation of the EMP was provided to the Environmental Management Expert of the Engineer's team, along with appropriate attachments (including notes, opinions, environmental supervision reports, etc.).

4.2 ENGINEER

Direct supervision over implementation of the EMP conditions by the Engineer's team was done by the Environmental Management Expert cooperating in that range with the Resident Engineer, supervising inspectors, and other members of the Engineer's team providing investor's supervision over implementation of the investment. The Environmental Management Expert was in an ongoing contact with the Site Manager and with the EMP Coordinator of the Contractor's team, while establishing the range of conditions to be necessarily met on a given stage of works, supervising the implementation status for particular EMP conditions, participating in solving ongoing issues, and performing inspections on work sites. After completing each and every reporting period (month and quarter), the Environmental Management Expert was verifying environmental documentation of the Contractor and developing reports, which were subsequently handed over to the Project Implementation Office.

4.3 PROJECT IMPLEMENTATION OFFICE (PIO)

Direct supervision over implementation of the EMP conditions by the Project Implementation Office (PIO) was done by the Environmental Specialist, who cooperated in that range with the PIO Manager, with other members of the PIO team, as well as with other organization units of the RZGW in Cracow. The Environmental Specialist and the PIO Manager were in a direct contact with the Environmental Management Expert of the Engineer's team, while supervising the implementation status for particular EMP conditions and participating in solving of the ongoing issues. After completing each and every reporting period (month and quarter), the Environmental Specialist and the PIO Manager were verifying environmental documentation of the Contract, and subsequently handed it over to the Project Coordination Unit (in the scope compliant with the EMP conditions).

4.4 ODRA-VISTULA FLOOD MANAGEMENT PROJECT COORDINATION UNIT (PCU)

Direct supervision over implementation of the EMP conditions by the Project Coordination Unit was done by the Environmental Management Expert, who cooperated in that range with other members of the PCU team. The expert was in a direct contact with the PIO Manager and with the Environmental Specialist of the PIO team. He was also cooperating with persons responsible for implementation of the EMP on the side of remaining organizational units of the investment process, i.e. the Environmental Management Expert of the Engineer's team, as well as the Site Manager and the EMP Coordinator of the Contractor's team. The Environmental Management Expert was supervising the implementation status for particular EMP conditions, while participating in solving of ongoing issues, and participating in site inspections. After completing each quarterly reporting period, he was verifying environmental documentation handed over by the PIO, and was developing contents for PCU reports, which were subsequently submitted to the World Bank.

5 IMPLEMENTATION STATUS FOR MITIGATION MEASURES UNDER APPENDIX 1 TO THE EMP

In accordance with contents of Appendix 1 to the EMP for Contract 3A.2/3, units responsible for implementation of mitigation measures determined under Appendix 1 to the EMP are as follows: **the Contractor (102 measures:** items no. 1, 2, 4-103 under Appendix 1 to the EMP), **Engineer (3 measures:** items no. 3, 4, 101 under Appendix 1 to the EMP) and **the Investor (5 measures:** items no. 3, 4, 28, 46, 48 under Appendix 1 to the EMP). In total, the EMP for Contract 3A.2/3 envisages implementation of 103 mitigation measures¹, including at least 90 measures to be implemented within the reporting period (in case of remaining 13 measures it was not necessary to implement them – see: below).

5.1 CONTRACTOR'S MEASURES

According to information presented in monthly reports and in quarterly reports on implementation of measures determined in the EMP:

- a) Within the reporting period the Contractor implemented 90 (87.4%) mitigation measures, including:
 - 86 (83.5%) measures were implemented in the scope required within the reporting period
(items no. 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 74, 75, 77, 78, 79, 80, 81, 84, 86, 87, 88, 89, 90, 91, 92, 95, 96, 97, 98, 99, 100, 101, 102 under Appendix 1 to the EMP);
 - in case of 4 (3.9%) measures issues and / or inconsistencies associated with their implementation – as discussed in chapter 5.4 – were identified
(items no. 73, 76, 93, 94 under Appendix 1 to the EMP).
- b) Within the reporting period the Contractor was not implementing 13 (12.6%) mitigation measures, including:
 - implementation of 13 (12.6%) measures was not necessary throughout the entire period included in this report
(items no. 6, 21, 22, 23, 24, 34, 40, 48, 60, 82, 83, 85, 103 under Appendix 1 to the EMP);
 - cases of missing implementation for measures required within the reporting period were not identified.

Mitigation measures were implemented by the Contractor with the participation of, among others, Site Manager, EMP Coordinator, environmental supervision team, archaeological supervision team, sapper supervision team, and H&S specialist.

¹ Contents of particular mitigation measures given in Appendix 1 to the EMP have been quoted in the *Check List* forming *Appendix no. 1* to this report.

Mitigation measures were agreed with (if required by the conditions of Contract and/or the EMP) and supervised by the Engineer's team (with participation of the following persons: Senior Environmental Management Expert, Senior Real Estate Specialist, senior supporting experts – Supervising Inspectors, key expert – Resident Engineer, and Project Manager), and by the Investor's team (with participation of the following persons: Environmental Specialist, Re-settlement Specialists, and PIO Manager).

5.2 ENGINEER'S MEASURES

According to information presented in monthly reports and in quarterly reports on implementation of measures determined in the EMP:

- a) Within the reporting period the Engineer was implementing 3 (2.9%) mitigation measures, including:
 - 3 (2.9%) measures was implemented in the scope required within the reporting period (items no. 3, 4, 101 under Appendix 1 to the EMP).
 - in case of none of the measures issues and / or inconsistencies associated with their implementation were identified.
- b) Within the reporting period there was no case of missing implementation of mitigation measures assigned to the Engineer.

Mitigation measures were implemented by the Engineer at participation of selected specialists of the Engineer's team (composition of the team has been informed in chapter 5.1).

5.3 INVESTOR'S MEASURES

According to information presented in monthly reports and in quarterly reports on implementation of measures determined in the EMP:

- a) Within the reporting period the Investor was implementing 2 (1.9%) mitigation measures, including:
 - 2 (1.9%) measures were implemented in the scope required within the reporting period (items no. 3, 4 under Appendix 1 to the EMP).
 - in case of none of the measures issues and / or inconsistencies associated with their implementation were identified.
- b) Within the reporting period the Investor was not implementing 3 (2.9%) mitigation measures, including:
 - implementation of 3 (2.9%) measures did not concern the current reporting period (items 28, 46, 48 under Appendix 1 to the EMP);
 - cases of missing implementation for measures required within the reporting period were not identified.

Mitigation measures were implemented by the Investor at participation of selected members of the PIO's team (composition of the team has been informed in chapter 5.1).

5.4 ISSUES REFERRING TO IMPLEMENTATION OF MITIGATION MEASURES LISTED IN APPENDIX 1 TO THE EMP

According to information provided in monthly reports and in quarterly reports on implementation of measures determined in the EMP, the following issues and / or inconsistencies associated with implementation of 4 mitigation measures from Appendix 1 to the EMP for Contract 3A.2/3 (in order compliant with numbers of items under Appendix 1 to the EMP) were identified:

- 1) Items no. 76 and 73, 93, 94 under Appendix 1 to the EMP

Issues with assurance of safety within the construction site

[in the 3rd and 4th quarter of 2022, as well as in the 3rd and 4th quarter of 2024]:

In the third and fourth quarter of 2022 (first stage of the Contract implementation), cases of problems with ensuring safety of works were found: including lack of fencing of the construction site from the Secesja housing estate side. Due to the interruption of works by the Contractor and withdrawal from the Contract by the Investor (from November 2022), the problem became irrelevant (the newly selected Contractor conducting works in the second stage of the Contract implementation ensured fencing of the area from the housing estate side).

In the third and fourth quarter of 2024 (second stage of the Contract implementation), cases of problems with ensuring safety of works were found: performing works on scaffoldings that did not meet safety requirements. After the Engineer's intervention, the Contractor removed the identified irregularities.

6 IMPLEMENTATION STATUS FOR MONITORING MEASURES UNDER APPENDIX 2 TO THE EMP

In accordance with contents of Appendix 2 to the EMP for Contract 3A.2/3, units responsible for implementation of monitoring measures determined under Appendix 2 to the EMP are as follows: **the Contractor (102 measures:** items 1, 2, 4-103 under Appendix 2 to the EMP), **the Engineer (103 measures:** items 1-103 under Appendix 2 to the EMP), and **the Investor (3 measures:** item 28, 46, 48 under Appendix 2 to the EMP). In total, the EMP for Contract 3A.2/3 envisages implementation of 103 monitoring measures¹, and all of the measures shall be implemented within the reporting period.

6.1 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 implemented through the following: (i) verification of requirements determined under the EMP for the current stage of works; (ii) verification of Contractor's documents related to implementation of conditions under the EMP; (iii) ongoing inspections on site; (iv) actions listed under Appendix 2 to the EMP; and (v) ongoing establishments with representatives of the Engineer and of the Investor.

- a) Within the reporting period the Contractor was implementing 102 (99.0%) monitoring measures, including:
 - 102 (99.0%) measures were implemented in the scope required within the reporting period (items no. 1, 2, 4-103 under Appendix 2 to the EMP);
 - in case of none of the measures issues and / or inconsistencies associated with their implementation were identified.
- b) Cases of missing implementation for monitoring measures assigned to the Contractor within the reporting period were not identified.

Monitoring measures were implemented by the Contractor at participation of the Contractor's personnel listed in chapter 5.1.

6.2 ENGINEER'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 implemented through the following: (i) verification of requirements determined under the EMP for the current stage of works; (ii) verification of Contractor's and Investor's documents related to implementation of conditions under the EMP; (iii) ongoing inspections on site; (iv) actions listed under Appendix 2 to the EMP; and (v) ongoing establishments with representatives of the Contractor and of the Investor.

¹ Those measures referred to the implementation monitoring for particular mitigation measures given in Appendix 1 to the EMP, contents of which have been quoted in the *Check List* forming *Appendix no. 1* to this report.

- a) Within the reporting period the Engineer was implementing 103 (100%) monitoring measures, including:
- 103 (100%) measures were implemented in the scope required within the reporting period (items no. 1-103 under Appendix 2 to the EMP);
 - in case of none of the measures issues and / or inconsistencies associated with their implementation were identified.
- b) Cases of missing implementation for monitoring measures assigned to the Engineer within the reporting period were not identified.

Furthermore, within the reporting period the Engineer was also supervising implementation of 102 monitoring measures assigned, in accordance with Appendix 2 to the EMP, to the Contractor.

Monitoring measures and supervising measures in the range referring to the EMP were implemented by the Engineer at participation of selected experts of the Engineer's team (composition of the team has been given in chapter 5.1).

6.3 INVESTOR'S MEASURES

Within the reporting period the Investor did not carry out measures associated with implementation monitoring for mitigation measures, as described in Appendix 2 to the EMP (the only monitoring measures assigned to the Investor are items 28, 46, 48 in Appendix 2 to the EMP, provided for implementation by the Investor only after the end of the Contract implementation period). The non-implementation of the monitoring measures did not constitute a departure from the conditions determined under the EMP.

Furthermore, within the reporting period the Investor was supervising implementation of 102 monitoring measures assigned, in accordance with Appendix 2 to the EMP, to the Contractor and to the Engineer.

Above-mentioned activities in the range referring to the EMP were implemented by the Investor at participation of members of the PIO's team listed in chapter 5.1.

6.4 ISSUES REFERRING TO IMPLEMENTATION OF MONITORING MEASURES LISTED IN APPENDIX 2 TO THE EMP

In accordance with information presented in monthly reports and in quarterly reports on implementation of measures determined in the EMP for Contract 3A.2/3, within the reporting period no issues nor inconsistencies with implementation of the monitoring measures listed in Appendix 2 to the EMP were identified.

7 OTHER ACTIONS AND EVENTS RELATED TO THE ENVIRONMENT, LOCAL SOCIETY, HEALTH AND SAFETY

7.1 ACTIONS OF THE CONTRACTOR

Within the reporting period the Contractor was carrying out works within the framework of Contract 3A.2/3, including e.g. implementation of particular measures determined in the Environmental Management Plan, as assigned to the Contractor.

Furthermore, within the reporting period the Contractor was implementing e.g. the following other measures referring to Contract 3A.2/3 and related to the environment, local society, health and safety:

- due to the Russian invasion of Ukraine which began in February 2022, in the third and fourth quarter of 2022 the Contractor submitted weekly special reports to the Engineer regarding the possible impact of the geopolitical situation in Ukraine on the pace of Contract implementation.

7.2 ACTIONS OF THE ENGINEER

Within the reporting period the Engineer was supervising works carried out within the framework of Contract 3A.2/3, including e.g. implementation of particular measures determined in the Environmental Management Plan, as assigned to the Engineer.

Furthermore, within the reporting period the Engineer was implementing e.g. the following other measures referring to Contract 3A.2/3 and related to the environment, local society, health and safety:

- due to the Russian invasion of Ukraine which began in February 2022, in the third and fourth quarter of 2022 the Engineer monitored the situation occurring on the Contract 3A.2/3 from the point of view of the possible impact of the geopolitical situation in Ukraine on the implementation of works and submitted subsequent reports to the Investor regarding the above threat.
- in the third and fourth quarter of 2022 the engineer ran an information point for residents and property managers in the vicinity of the construction site of Contract 3A.2/3.

7.3 ACTIONS OF THE INVESTOR

Within the reporting period the Investor was carrying out its activities associated with implementation of Contract 3A.2/3, including e.g. implementation of particular measures determined in the Environmental Management Plan, as assigned to the Investor, and was supervising the measures implemented by the Contractor and by the Engineer.

7.4 OTHER ACTIONS

Not applicable to the present reporting period.

7.5 EXCEPTIONAL EVENTS, THREATS AND CATASTROPHES

Not applicable to the present reporting period

(heavy rainfall and flooding occurring in Poland in the second and third decade of September 2024 did not generate significant threats to the work site of Contract 3A.2/3 and did not require the implementation of procedures referred to in items no. 80 and 101 in Appendix 1 to the EMP).

7.6 ACCIDENTS

7.6.1 Accidents with participation of Contractor's employees

No accidents involving the Contractor's employees were recorded within the reporting period.

7.6.2 Accidents with participation of other people authorized to access the site

No accidents involving other people authorized to access the Contract implementation area were recorded within the reporting period.

7.6.3 Accidents with participation of outsiders

No accidents involving outsiders were recorded within the reporting period.

7.7 SECURING CONDITIONS OF PAYMENT AND WORK FOR THE PERSONNEL

Within the reporting period the Contractor was securing proper conditions of payment and work for the personnel, in accordance with binding provisions of the labour law in Poland.

7.8 PREVENTING CASES OF SEXUAL HARASSMENT AND MOBBING

Events associated with cases of sexual harassment and mobbing have not taken place within the reporting period.

8 SOURCE MATERIALS

1. *Environmental Management Plan for Contract 3A.2/3 Flood protection in Serafa Valley – Malinówka 3 reservoir.*
State Water Holding Polish Waters, Regional Water Management Authority in Cracow.
Cracow, January 2021.
2. *Progress Reports* provided by the Contractor for Contract 3A.2/3
in subsequent months of the reporting period.
3. *Monthly Reports and Quarterly Reports on EMP Implementation* for Contract 3A.2/3,
as provided by the Engineer in subsequent months / quarters of the reporting period
(developed within the framework of Consulting Services Contract no. 5.2 *Design and
Construction Supervision. Project Management, Technical Assistance and Training,
Technical Support for the Project and Strengthening of PIU's Institutional Capacity*).

9 LIST OF APPENDICES

Appendix no. 1. Check List for implementation of the measures listed in Appendix 1 and 2 to the EMP for Contract 3A.2/3.

Appendix no. 2. Photo documentation.