

**State Water Holding Polish Waters**  
**Regional Water Management Authority in Szczecin**

# **ENVIRONMENTAL MANAGEMENT PLAN – Addendum no. 1**

## **ODRA – VISTULA FLOOD MANAGEMENT PROJECT – 8524 PL**

*Environmental category B – pursuant to the OP 4.01 WB*

### **Component 1:**

*Flood Protection of the Middle and Lower Odra*

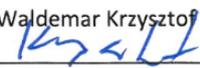
### **Subcomponent 1B:**

*Flood Protection of the Middle and Lower Odra*

### **Contract for works 1B.4/2:**

*Dredging of Klucz-Ustowo ditch*

**FINAL VERSION**

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## ODRA – VISTULA FLOOD MANAGEMENT PROJECT

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## PLAN ZARZĄDZANIA ŚRODOWISKIEM

**Component: 1 – Flood Protection of the Middle and Lower Odra**

**Subcomponent: 1B – Flood Protection of the Middle and Lower Odra**

**Contract: 1B.4/2 Task: Dredging of Klucz-Ustowo ditch**

### **Project Implementation Unit:**

**State Water Holding Polish Waters in Warsaw represented by the Director of the Regional Water Management Authority in Szczecin**

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Szczecin, August 2021

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**Attachment:** Attachment 4 to the EMP "Notification of Regional Director for Environmental Protection in Szczecin from 14.07.2021, reference number: WOPN-OG.670.86.2021.DM about no objection to the notification on dredging of the Klucz - Ustowo (Skońnica) ditch on the length of about 2.7 km".

## **1. INTRODUCTION AND SCOPE OF ADDENDUM**

### **1.1 INTRODUCTION**

Contract 1B.4/2 consists in the dredging of the Klucz-Ustowo ditch, which will require deposition of the dredged soil on the deposition field (silting field). The construction of the deposition field is not envisaged within the scope of the Contract and it is planned to deposit the dredged soil on the existing field which is managed by an external entity and which is operated on the basis of obtained administrative decisions and which meets all valid standards in this respect.

For the Contract 1B.4/2 it was originally assumed that the dredging spoils will be deposited on the deposition field "Mankow", which is administered by the Maritime Office in Szczecin. The Maritime Office in Szczecin is in possession of several deposition fields, which it uses mainly for its own needs related to maintenance of the access infrastructure to harbors or, if possible, it makes them available for external entities. The availability of particular silting fields administered by the Maritime Office in Szczecin depends on the schedule of works carried out by the Maritime Office in Szczecin and on the current available capacity of the fields.

As a result of the pre-dredge survey, i.e. the current bathymetric survey performed by the Contractor in 2021, the quantities/cubature of dredged soil required for extraction, which were originally estimated to be less than 45 thousand m<sup>3</sup>, have been revised. It is now estimated that the quantity of dredged soil will be no less than 72,000 m<sup>3</sup> (maximum 116,000 m<sup>3</sup> when taking into account the permitted tolerance of dredging operations). With the current implementation schedule of Contract 1B.4/2 and the revised quantities of dredged material, it will not be possible to utilize the dredged soil in the deposition field "Mankow".

In accordance with the current assumptions for execution of Contract 1B.4/2 it has been assumed that the excavated material will be transported by barges or dump barges to the deposition field "D" located at a distance of approx. 400 m from the entrance to the Piastowski Channel, on the side of the Szczecinski Lagoon or another existing silting field which meets all valid standards in this respect and functioning on the basis of issued administrative decisions.

A new notification of activities was submitted to the Regional Director of Environmental Protection in Szczecin under Article 118 of the Nature Conservation Act of 16 April 2004 (i.e. Journal of Laws of 2021, item 1098). The notification submitted on 02 July 2021 includes the subject modifications to the Contract. The Regional Director for Environmental Protection in Szczecin by way of a notification of 14 July 2021, WOPN-OG.670.86.2021.DM, informed that the authority has no objections to the submitted notification - the amended Attachment 4 to the EMP is attached to the Addendum. The new notification also updated the Contract execution schedule by postponing the period of dredging by a calendar year.

## 1.2 SCOPE OF ADDENDUM

The Addendum accounts for the current assumptions of the Contract implementation, resulting from the change of the dredged material deposition field (silting field), the amount of disposed dredged material and the postponement of the dredging period. This makes it necessary to introduce the following changes into the EMP for this Contract:

- in the text of the EMP all records referring to the deposition field "Mankow" become void; in this place the following is introduced: deposition field "D", located about 400 m from the entrance to the Piastowski Channel, from the side of the Szczecinski Lagoon or another existing silting field, complying with all valid standards in this respect and functioning on the basis of issued administrative decisions, to which the dredged material from the Klucz - Ustowo ditch will be transported by barges or dump barges;
- in the text of the EMP the entries relating to the planned year of completion of implementation are amended as follows: 2021 shall be replaced by 2022;
- Attachments 1 and 2: items 7 to 9 are amended as indicated in point 3 to this Addendum;
- Attachment 4: Notification of the Regional Director for Environmental Protection in Szczecin dated March 29, 2019, reference number: WOPN-ON.670.47.2019.PW is replaced by the Notification of the Regional Director for Environmental Protection in Szczecin dated July 14, 2021, reference number: WOPN-OG.670.86.2021.DM (the amended Attachment 4 to the EMP is attached to the Addendum);
- Attachments 9 and 10 to the EMP, concerning the deposition field "Mankow", are removed.

## **2. ENVIRONMENTAL CONSIDERATIONS OF THE CONTRACT EXECUTION**

The planned change of the deposition field does not affect the environmental conditions of the works conducted within the Klucz - Ustowo ditch. The change applies only to the final stage, i.e. management of waste - dredged soil and refers to changing the location of the dredged soil deposition field. Instead of the deposition field "Mankow", disposal of dredged material will take place at the existing deposition field "D", which is currently operated in accordance with the required and applicable regulations. However, in view of a possible lack of possibility to deposit the material at field "D" (depending upon the dredging schedule of the Maritime Office in Szczecin), the EMP also allows for the use of other existing deposition fields provided that they meet all applicable standards in this respect and that they operate in accordance with administrative decisions issued. This does not change the basic assumption of the Contract that the dredged soil must be transported (by barges or damp barges) to the areas designated for disposal of dredged soil at the existing deposition fields. Impacts to the natural and social environment at the site of deposition will be restricted within the limits set by administrative decisions regulating the operation of the respective deposition field.

The planned EMP modifications, including postponement of the planned dredging from years 2020-2021 to 2021-2022, do not cause new or increase the predicted environmental impacts at the Task execution area, i.e. within the Klucz - Ustowo ditch, in comparison to the state identified at the stage of preparing the EMP. Due to the insignificant nature of the changes to the Contract, there is no need to impose additional conditions for the performance of works to reduce the impact on the natural and social environment in the Task execution area and its vicinity. Changes introduced by this Addendum, referring to a set of mitigation and monitoring measures, are described in Section 3 of this Addendum.

The changes related to the execution of the said Contract have been included in an updated notification to the Regional Director of Environmental Protection in Szczecin on the basis of Art. 118 of the Nature Conservation Act. In accordance with the regulations, the Regional Director for Environmental Protection has no grounds to refuse such notification if the implementation of the task does not violate the provisions regarding the forms of nature protection or protection areas designated under the Act on Inland Fisheries of 18 April 1985, and does not cause deterioration of the environment, and in particular does not have a significantly negative impact on the objectives of protection of protected areas, does not violate the prohibitions applied there and does not have a significantly negative impact on natural habitats, protected species of plants, animals or fungi, or their habitats. Regional Director for Environmental Protection in Szczecin by way of a notification dated 14 July 2021, reference number: WOPN-OG.670.86.2021.DM, informed that he has no objections to the submitted notification - the amended Attachment 4 to the EMP is attached to the Addendum.

In the social dimension, the introduced changes do not generate new impacts.

### 3. MITIGATION AND MONITORING MEASURES

The Contractor is obliged to apply all conditions for works specified in attachments to the EMP for Contract 1B.4/2: Attachment 1 "Mitigation Plan", Attachment 2 "Monitoring Plan", corresponding to the type of works performed.

All administrative decisions necessary for the execution of the works, should such need arise, are to be obtained by the Contractor at the stage of the works.

In order to meet in the area of the Task the conditions specified by the change of the deposition field, the following amendments to the conditions of the EMP, included in both Attachment 1 and Attachment 2 under the same items no. 7, 8, 9, are introduced.

Item *	Description of measure – previous content	Description of measure in Addendum
7	<p><b>Dredging spoil management</b></p> <p>The spoil from dredging works shall be transferred to silting field Mańków (permission from the operator of the silting field - Maritime Office in Szczecin issued on 01.06.2017, no. DBM-II-074/4/2/17). The spoil will be loaded directly onto means of water transport.</p> <p>Before the commencement of works, the Contractor shall carry out control tests and determine the quality of deposits the area of the works in the scope specified in Annex 1 to the Regulation of the Minister of Environment of 11/05/2015 on waste recovery outside installations), according to the requirements of the Mańków field operator. The manner of spoil handling shall be presented in the Waste Management Plan, prepared by the Contractor and sent for approval to the Engineer before commencement of the Works (item 33).</p> <p>Conditions to use the deposition field will constitute the subject of a contact entered between the Contractor and the operator of the silting field Mańków.</p>	<p><b>Dredging spoil management</b></p> <p>The spoil from dredging works shall be transferred to silting field: deposition field "D", the operator of which is the Maritime Office in Szczecin, or another existing silting field, complying with all valid standards in this respect and functioning on the basis of issued administrative decisions. The spoil will be loaded directly onto means of water transport.</p> <p>Before the commencement of works, the Contractor shall carry out control tests and determine the quality of deposits the area of the works in the scope specified in Annex 1 to the Regulation of the Minister of Environment of 11/05/2015 on waste recovery outside installations, according to the requirements of the silting field operator. The manner of spoil handling shall be presented in the Waste Management Plan, prepared by the Contractor and sent for approval to the Engineer before commencement of the Works (item 33).</p> <p>The Contractor's selection of a deposition field other than the above indicated deposition field "D", operated by the Maritime Office, must be approved by the Engineer and the Employer.</p>
8	<p>Compliance by the Contractor with the requirements contained in the water-law permit regarding the operation of the "Mańków" silting field issued to the Maritime Office in Szczecin (Appendix No. 9 to the EMP), by means of testing by the accredited laboratory of waters discharged from silting field in the range of: pH,</p>	<p>The Contractor shall comply with the requirements of the administrative decisions issued for the operation of the deposition fields.</p>

Item *	Description of measure – previous content	Description of measure in Addendum
	BOD <sub>5</sub> , COD, total suspension, total nitrogen, total phosphorus, including sampling as described in the said water-law permit.	
9	The Contractor shall include in the Schedule a ban on conducting silting works in the period from January 1 to June 30, resulting from a water and legal permit regarding the operation of the "Mańków" silting field, issued to the Maritime Office in Szczecin (Appendix No. 9 to the EMP).	The Contractor shall include in the Schedule of Work time constraints for the performance of silting operations on the deposition field (if they result from conditions described in item 8).

\*item in Attachement 1 and Attachment 2 to EMP

Note:

In Items 8 and 9, the modification also relates to the indication of the location of the activity by removing the indication of the specific location of the deposition field:

[existing content]

*„Silting field Mańków”*

[content after the modification]

*„Silting field”*