

APPENDIX 2. CHECK LIST - PLAN OF MONITORING MEASURES

Table reference:

- ¹ – the Contractor's confirmation of execution of works in a Monthly Report from implementation of the Works Contract, supported with reports from Site inspection, reports of environmental specialists, etc.
- ² – Contract Engineer's confirmation in a Monthly Report of the Engineer, supported by reports (minutes of meetings) and Site inspections. The Engineer shall be responsible for evaluation of monitoring which shall be confirmed in the periodical reports of the Engineer. Within the Engineer's structure the person responsible - expert on environment.
- ³ – confirmation of Contractor's environment specialist understood as report of the completed activities of a specialist (teams of specialists) according to requirements included in the Environmental Decision and decision defining the requirements for conducting the works

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
01 - REQUIREMENTS CONCERNING ENVIRONMENTAL PROTECTION TO BE INCLUDED IN THE BUILDING DESIGN						
1	Agreements concerning environmental protection to application in the building design	[III.1] Construction design shall consider recommendations resulting from the issued decision on environmental permit in the range of conditions of execution of construction - assembly works (indicated in table below).	Applies to the whole facility	Executed	During design works, once a month	Designer
2	Recommended environmentally friendly technical solutions	[III.2] On the section of the embankment at 5 + 950 -15 + 700 km (of the embankment) it is important to provide horizontal filtration screen with a max. depth of 10.00 m. The screen will be constructed using DSM (Deep Soil Mixing) process by means of vertical or horizontal mixers.	km 5+950 – 15+700 of the embankment	Implemented - Construction project, Engineer's supervision during construction works	During the screen construction	Contractor / Site Manager
					Permanent supervision	Engineer
3	Recommended environmentally friendly technical solutions	[III.3] Additionally, for the purpose of sealing of the waterside of the embankment section at 5 + 950 -15 + 700 km (of the embankment) it is necessary to place foil covered with a layer of material used for renovation of the embankment.	km 5+950 – 15+700 of the embankment	Implemented - Construction project, Engineer's supervision during construction works	During sealing	Contractor / Site Manager
					Permanent supervision	Engineer
4	Recommended environmentally friendly technical solutions	[II.4] To protect the area located beyond the embankment on the section of the embankment at 15 + 700 -15 + 819 (embankment's millage) place of ferry crossing it is necessary to apply stop-log protection which shall be assembled in the case of weather forecast of flood water approaching.	km 15+700 – 15+819 of the embankment	Implemented - Construction project	-	-
					-	-
5	Recommended environmentally friendly technical solutions	[III.5] Along the entire length of the examined embankment section, from the waterside a landscaped process lane should be designed with a width of ca. 4.0 m.	Applies to the whole facility	Implemented - Construction project	-	-
					-	-
02 – RULES CONNECTED WITH PROPERTY ACQUISITION						
6	Minimization of temporary occupancy	[II.11] Using only the area directly occupied for the Project implementation, i.e. within the lines demarcating the Site and the process lanes.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
7	Illegal or excessive land occupation which may cause losses with regard to archaeological or natural resources	[IV.3] Any occupation of land beyond the demarcation lines of the project indicated on the Site Plan and obtained by the Contractor for the site facilities is prohibited.	Applies to the whole facility	Visual monitoring ¹²	Throughout the whole period of implementation of the construction works	Contractor / Site Manager and Contractor's environmental team
					Once a month	Engineer
8	Property acquisition	[IV.4] Buyouts, compensations and assistance for people affected by the Project (by Land Acquisition and Resettlement Action Plan)	Reports from land acquisition, tracking changes tables	Throughout the whole period of implementation of the Investment	Every month during implementation	Engineer
					Once a month	PZMiUW
9	Habitat Protection	[II.1] Soil mass collection from the terrace area is not allowed.	Applies to the whole inter-embankment	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer
03 - MEASURES TO BE PERFORMED PRIOR TO WORKS COMMENCEMENT						
10	Illegal or excessive land occupation which may cause losses with regard to archaeological or natural resources	[IV.3] Prior to commencement of the construction works, separate, at least by means of forest netting, a gauge of 4-meter strip, counting from the edge of the embankment footing on the waterside side.	Applies to the whole facility	Visual monitoring ¹²	Throughout the whole period of implementation of the construction works	Contractor / Site Manager and Contractor's environmental team
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
11	Flora protection	[III.6] If, at the stage of conducting works, a collision is determined of planned works with protected plant positions, then (if technically possible and environmentally justified), after obtaining necessary permits, (in accordance with information included herein), a given specimen shall be replanted to a habitat proper for a given species, outside the concerned works, if possible, in close proximity to the current place.	Applies to the whole facility	Local inspection, recommendation formulation, preparing application and obtaining RDOŚ decision, replanting plants, checking the implementation for its correctness, preparing reports from completed activities, submitting a report to RDOŚ, photographic documentation ¹²³	Throughout the whole period of implementation of works	Contractor/ Botanist or Phytosociologist
					Once a month	Engineer
12	General conditions concerning nature protection - prevent and elimination of invasive species	[II.31] Prior to beginning of the construction works carry out field inspection of place of works with participation of phytosociologist in order to locate the presence and estimate population of invasive plants (except for impatiens parviflora). After locating and visibly marking in places where invasive plants grow take preventive actions during the implementation investment, which limit spreading of these plants, including, among others, removing topsoil layer along with invasive plants and transporting them from area of works to the composting plant or neutralizing in any other effective manner. It is unacceptable to mix this topsoil with topsoil overgrown with local native vegetation.	Applies to the whole facility	Local inspection, recommendation formulation, checking the implementation for its correctness, photographic documentation ¹²³	Throughout the whole period of implementation of works	Contractor/ Botanist or Phytosociologist
					Once a month	Engineer
13	Land surface and landscape protection	[II.2] Removal of a layer of humus, thickness: ca. 20-30 cm is required prior to commencement of works; humus will be piled on the landside of the embankment and used for future reclamation of the area of works.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor/ Botanist or Phytosociologist
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
14	Tree protection	<p>[II.7] Protection of trees and shrubs which are not intended for felling and which are close to the area of earthworks related to the project's implementation.</p> <p>Monitoring the proper execution and conduct throughout duration of construction process:</p> <ul style="list-style-type: none"> - tree trunk protection (e.g. straw mats, planks winded with wire) or - if the application of the above protections will prove technically unfeasible, fences (for the duration of work execution) of groups of trees/shrubs, by means of coloured tape. <p>It is not allowed to store any construction materials or waste near tree trunks and shrubs (i.e. inside the outline range of the tree crowns and at the minimum, 2 m outside that outline).</p>	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager and Botanist or Phytosociologist
					Once a month	Engineer
15	Accidents of local inhabitants caused by traffic of vehicles and machines	[IV.1] Proper demarcation of construction area and the access roads.	Applies to the whole facility	Visual monitoring ¹²	Throughout the whole period of implementation of the construction works	Contractor / OHS supervision
					Once a month	Engineer
16	Accidents of construction personnel during the Works	<p>[IV.2] Preparation, implementation and compliance with the Health and Safety Protection Plan (HASP).</p> <p>Work of machinery and equipment within the embankment must be carried out in a way that does not endanger the safety of persons and property, excluding their overturning, sliding or descent into the slope of the embankment.</p>	Applies to the whole facility	Visual monitoring ¹²	Throughout the whole period of implementation of the construction works	Contractor / OHS supervision
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
17	Protection of religious cult object	[IV.9] In km 12+845 of the embankment (in Dzikowskiej Street) in the area of works impact there is a roadside chapel. The Contractor's obligation shall be the protection of the chapel for the period of works performance so that no accidental damage of the object occurs.	km 12+845 of the embankment (in Dzikowska Street)	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of the construction works	Contractor / Site Manager
					Once a month	Engineer
18	Protection of information desk concerning NATURA 2000 site	[IV.10] In km 12+845 of the embankment (in Dzikowskiej Street) in the area of works impact, there is an information desk concerning NATURA 2000 site (section no. 3). The Contractor's obligation shall be the protection of the street furniture object for the period of works performance so that no accidental damage of the object occurs.	km 12+845 of the embankment (in Dzikowska Street)	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of the construction works	Contractor / Site Manager
					Once a month	Engineer
04 - REQUIREMENTS CONCERNING ENSURE THE ACCESS ROUTES TO THE CONSTRUCTION SITES						
19	Natural resource protection	[II.25] Transport of materials only along existing roads or the designated temporary roads, specified so as to reduce impact on the habitat indicated by the environmental team. Parking of cars of the Contractor's employees may take place only in a designated area. It is prohibited to park in the area of habitat.	Applies to the whole facility	Local inspection, recommendation formulation, checking the implementation for its correctness, preparing reports from completed activities, photographic documentation ¹²³	Throughout the whole period of implementation of works	Contractor / Site Manager and Botanist or Phytosociologist
					Once a month	Engineer
20	General principles for carrying out works	[II.26] Route for trucks transporting the aggregate to the site of earth embankment only along the road sections: - road 723 - access road (road section 723 - earth embankment), - the road along the earth bank on the side of the Vistula River (road along the embankment foot shall be shielded by the embankment of the height between 3 m and 4 m).	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
21	Soil protection	[II.24] Execution of photographic documentation of the entire area of conducting the works with particular focus on the technical condition of roads and the buildings located in the areas close to roads used for transport of construction materials and execution of site visit in the presence of road Operator.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	After the construction works are completed.	Contractor
					Once after the construction works are completed.	Engineer
05 - ORGANIZATION OF THE BACK-UP FACILITIES, WAREHOUSES AND STACKING YARDS						
22	Construction site facilities and storage places for	[IV.8] The Contractor will acquire an area for the site facilities and storage yards.	Site facilities and storage yards	Examining the area, documentation prepare by the	Once during the preparing site facilities and storage yards	Contractor / Contractor's environmental team

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
	materials	<p>When selecting the location for the site facilities for the construction site, the Contractor will consider the following aspects:</p> <ul style="list-style-type: none"> - examining the area for its ground base, vegetation and ground water table: any construction sites should be located on areas free from trees and where the ground water table is below 1.5 m b.g.l., - the geological structure of any selected area shall effectively protect ground water, - the construction site location shall provide convenient access to energy and water supply for social purposes. - the access road to the site facilities shall not hinder access to the nearby buildings, - locate the construction site only beyond the area of any protected habitats. <p>Completed construction site organization plan which indicates, apart from the location of the construction site facilities, the conditions of their management, including: the location of parks for the construction equipment and other vehicles, the method of soil and water protection against contamination with substances harmful for the environment, the method of draining rainfall water, the location of the warehouses for construction materials, and the place for municipal waste storage.</p>		Contractor's environmental team	Once during the preparing site facilities and storage yards	Engineer
23	Water and soil protection	<p>[II.14] Collecting sewage in sealed septic tanks (TOI TOI type devices). Regular removal of collected sewage to the nearest sewage treatment plant with a wastewater collection point.</p>	Applies to the construction site facilities	Visual monitoring, invoice for the export of sewage ¹²	<p>Throughout the whole period of implementation of works</p> <p>Once a month</p>	<p>Contractor / Site Manager</p> <p>Engineer</p>

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
06 - REQUIREMENTS FOR CUTTING OUT TREES AND SHRUBS						
24	Tree protection, bird protection	[II.6] Felling shall be limited to trees and shrubs growing at the foot, on the slopes and the top of the embankment intended for raising, i.e. to ca a dozen or so trees and a dozen or so shrubs. Felling shall be conducted outside the main bird breeding period, i.e. excluding the period between 1 March and 15 October.	Applies to the whole facility	Local inspections, environmental team report, photographic documentation ¹²³	Through the period of conducting the works related to felling	Contractor/Ornithologist
					Once a month in the designated periods	Engineer
25	Fauna protection	<p>[II.30] In case of intention of felling trees with their breast height exceeding 50cm it should be carried out under specialists supervision:</p> <ul style="list-style-type: none"> - entomologist – checking for habitat of protected beetle species, - chiropterologist – checking for presence of bats. <p>When presence of beetles (larval or adult forms) is established, permission for felling these trees can be subject to technical or process conditions after obtaining - as required by law - the permit from the competent authority to destroy habitat of protected species and identifying places (in co-operation with entomologists) where appropriately-cut fragments of tree trunks will be moved (according to the Nature conservation act from 16 April 2004 – article 56).</p> <p>When presence of bats in trees to be felled is established, suspend felling temporarily and implement the chiropterologist's recommendations which are adequate to the current weather conditions and the identified species of bats.</p>	Applies to the whole facility	Local inspection, recommendation formulation, checking the implementation for its correctness, preparing reports from completed activities, photographic documentation ¹²³	Once before felling	Contractor/Entomologist and chiropterologist
					In case of observing the presence of protected species monitoring during permission issue	Engineer
						After permission obtaining once during felling
					Engineer	

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
07 - REQUIREMENTS AT THE IMPLEMENTATION OF WORKS STAGE						
26	Protection of surface of ground and landscape	[II.3] Works associated with the removal of a layer of humus in wetland areas shall be conducted from 1 September to 31 October and in other areas with the exclusion of the period from 1 March to 31 July If due to technical reasons, the works would have to be conducted (partially or fully) at a different time, they shall have to be conducted under environmental supervision.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²³	During the works related to removing topsoil in the designated periods	Contractor / Botanist or Phytosociologist
					Once a month in the designated periods	Engineer
27	Amphibian protection	[II.4] Works involving interference with amphibian reproduction habitat identified by the environmental team (e.g. draining ditches, embankment floodgate outflows, locations of periodical water stagnation) shall be conducted outside the period from 1 March to 30 June. Works interfering with amphibian wintering habitat identified by the environmental team shall be conducted with the exclusion of the period from 1 November until the end of February .	Applies to the whole facility	Local inspections related to position mapping, environmental team report, photographic documentation ¹²³	Throughout the whole period of implementation of works in the designated periods	Contractor/ Herpetologist
					Once a month in the designated periods	Engineer
28	Amphibian protection	[II.5] Execution of works in the vicinity of amphibian reproduction habitat identified by the environmental team will be carried out excluding the period between 1 March and 31 May i.e. after the end of the main amphibian breeding migration period. It is also acceptable to use, in accordance with the environmental team recommendations, temporary fencings for the migration passages (to enable amphibians to reach the breeding grounds and limit the trampling of specimens by mechanical equipment).	Applies to the whole facility	Local inspections related to position mapping, environmental team report, photographic documentation ¹²³	Throughout the whole period of implementation of works in the designated periods	Contractor/ Herpetologist
					Once a month in the designated periods	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
29	Habitat Protection	[II.8] It is forbidden to interfere in patches of habitat of willow, poplar, alder and ash marsh meadows Salicetum or - fragilis, Populetum albae, Alnenion (91E0) identified in the vicinity of the proposed works. Fencing and preserving the above environment throughout the whole duration of the Works, as well as other valuable habitat identified by the environmental team that are close to the works, e.g.: by tape fencings, to be removed after completion of the works.	Applies to the whole facility	Local inspections related to habitats mapping, environmental team report, photographic documentation ¹²³	Before beginning the works, after the report of a specialist botanist /subsequently the control during the implementation of the works	Contractor/ Botanist or Phytosociologist
					Once a month	Engineer
30	Protection of surface water	[II.9] It is not allowed to store waste, soil, or locate material base in the terrace area of the Vistula River and in area of stagnant water, ponds and other habitats indicated by the environmental team.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²³	Throughout the whole period of implementation of works	Contractor / Site Manager and Botanist or Phytosociologist
					Once a month	Engineer
31	Fauna protection	[II.10] Excavations and structures which may constitute a trap for small animals, mainly amphibians, should be adequately secured (e.g. tightly covered at the end of each workday). In addition, these areas shall be inspected daily and in the case of possible trapping of animals, they should be transferred to habitats proper for a given species, outside the works' area.	Applies to the whole facility	Visual monitoring, environmental team report, photographic documentation ¹²³	Throughout the whole period of implementation of works related to excavations or constructions, daily	The Contractor / Herpetologist
					Once a month	Engineer
32	General principles for carrying out works	[II.12] Whenever possible the works should be carried out section by section, i.e. after completing works in a given section and its reclamation, works should begin at the next embankment section intended for extension.	Applies to the whole facility	Visual monitoring ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
33	Environmental team	[II.13] Active participation of the environmental team in proper execution of the obligations and prohibitions identified in the decisions issued for the Project related to environmental protection. Submitting a supervision report to RDOŚ Rzeszów within 6 months after the works are completed.	Applies to the whole facility	Local inspections, recommendation formulation, checking the implementation for its correctness, preparing reports from completed activities, photographic documentation ¹²³	Throughout the whole period of implementation of works	The Contractor/the environmental team
					Control, reporting once a month	Engineer
34	Water protection	[II.15] Production of cement grout forced into the embankment body (filtration barrier) based only on tap water delivered with water bowser.	Sections, where screens will be made	Visual monitoring, invoice for the water ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer
35	Protection of surface water	[II.16] During construction works related to any earthworks, surface waters must be secured against excessive silting due to increased erosion.	Embankment sections close to a watercourse or reservoirs	Visual monitoring, periodic turbidity testing photographic documentation ¹²	Throughout the whole period of implementation of works close to a watercourse or reservoirs (turbidity testing - before commencing the works, and once a week during the works)	Contractor / Site Manager
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
36	Water and soil protection	[II.17] The ground-water environment should be protected against contamination by used substances, sewage or waste created in connection with executed works.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer
37	General principles for carrying out works	[II.18] Carrying out earthworks in a way that does not cause damages to regulatory structures. The Contractor shall ensure the patency of embankment culverts throughout the duration of the works.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer
38	General principles for carrying out works	[II.19] Carrying out construction works beyond the flood risk season.	Applies to the whole facility	Current communication with IMGW-PIB to receive current information ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer
39	General principles for carrying out works	[II.20] Prepare flood protection plan specifying relation between the time of beginning of the evacuation or securing the construction equipment and occurrence of a certain hydro - meteorological situation.	Applies to the whole facility	Checking whether the plan was prepared and accepting its substantive content ¹²	Execution before the beginning of works, one-time (possible update)	Contractor / Site Manager
					One-time after preparation and after possible update	Engineer
40	Water and soil protection	[II.21] During the course of construction works, maintenance and repairs on the construction site are prohibited.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager and OHS supervision
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
41	Protection against noise	[II.27] Hours for any construction works and operations related to transport of aggregate by trucks at the project implementation stage to be from 6:00 am to 10:00 pm.	Applies to the whole facility	Visual monitoring ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer
42	Protection against noise	[II.28] Hardened surfaces (i.e.: access roads) for vehicle transport of the aggregate to be maintained in good technical condition.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager
					Once a month	Engineer
43	Flora protection	[III.6] If, at the stage of conducting works, a collision is determined of planned works with protected plant positions, then (if technically possible and environmentally justified), after obtaining necessary permits, (in accordance with information included herein), a given specimen shall be replanted to a habitat proper for a given species, outside the concerned works, if possible, in close proximity to the current place.	Applies to the whole facility	Local inspection, recommendation formulation, preparing application and obtaining RDOŚ decision, replanting plants, checking the implementation for its correctness, preparing reports from completed activities, submitting a report to RDOŚ, photographic documentation ¹²³	Throughout the whole period of implementation of works	Contractor/ Botanist or Phytosociologist
					Once a month	Engineer
44	Fauna and fungi protection	[II.32] If, at the stage of conducting works, a collision is determined of planned works with protected fungi or animals positions, then (if technically possible and environmentally justified) Contractor shall obtain all necessary permits for	Applies to the whole facility	Local inspection, recommendation formulation, preparing	Throughout the whole period of implementation of works	Contractor/ Botanist or Phytosociologist

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
		derogations from prohibitions in relation to the protected animals and fungi species issued by RDOŚ/GDOŚ (in accordance with Article 56, Paragraph 1 and 2 of the Act of 16 April on environmental protection).		application and obtaining RDOŚ decision, replanting plants, checking the implementation for its correctness, preparing reports from completed activities, submitting a report to RDOŚ, photographic documentation ¹²³	Once a month	Engineer
45	Archaeological findings	[IV.5] In the case of discovery of immovable structures or mobile archaeological monuments the Contractor is obliged to notify immediately the Podkarpacki Monuments Conservation Officer as well as the Client and the Engineer. During Works' implementation the Works Contractor shall comply with guidelines of the Monuments Conservation Officer Ensuring permanent archaeological supervision during the construction works in the area of Sielec.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of the construction works (periodic inspection) / permanent archaeological supervision during the works in the area of Sielec	Contractor / Archaeological supervision
			Applies to the area of Sielec	Permanent archaeological supervision, archaeologist reports	Once a month	Engineer
46	Unexploded ordinances	[IV.6] Contractor is obliged to ensure permanent UXO monitoring during of earthworks regarding checking and cleaning the area from dangerous military items.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of the construction works	Contractor / Sapper supervision
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
47	Health and Safety	<p>[IV.7]</p> <p>HIV-AIDS Prevention. Conducting by the Contractor trainings and implementing an awareness program with regard to spreading diseases, like HIV-AIDS.</p> <p>Undertaking by the Contractor other measures to decrease any risk of transferring the HIV virus between and among the personnel of the Contractor and the local community, promoting early diagnostics and assistance for people infected.</p>	Applies to the whole facility	Time sheet, teaching materials, photographic documentation, reports from help ¹²	Throughout the whole period of implementation of the construction works	Contractor / OHS supervision
					Once a month	Engineer
48	Soil and water protection	[II.33] It is necessary to equip all construction sites with a required number of portable toilets and provide training to all the employees with regard to maintaining appropriate hygienic conditions within the area of the construction site and its direct surrounding. Appropriate penalties for noncompliance with this rule should be included in the Contractor's work regulations.	Applies to the whole facility	Time sheet, teaching materials, reports from trainings ¹²	Throughout the whole period of implementation of the construction works	Contractor / Contractor / Site Manager
					Once a month	Engineer
49	Soils, surface water and air protection	[II.34] Construction equipment must be in working order which satisfies all legal conditions authorizing it for putting such equipment into service.	Applies to the whole facility	Lists of technical review, reports from the reviews ¹²	Throughout the whole period of implementation of the construction works	Contractor / Contractor / Site Manager
					Once a month	Engineer
50	Soils, surface water and air protection	[II.35] The type and working order of such equipment must ensure the protection of soil, surface waters and ground waters against pollution, dust and gas emission to the air and noise emission.	Applies to the whole facility	Lists of technical review, reports from the reviews ¹²	Throughout the whole period of implementation of the construction works	Contractor / Contractor / Site Manager
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
51	Air protection (Protection against dusting)	[II.36] Limit dust generation caused by the means of transport by: <ul style="list-style-type: none"> • cleaning vehicle wheels before entering the public roads, • cleaning technological internal roads surface, • using of vehicles with tilts for transportation of dusty materials or transportation of powdery materials in packaging, • prevention of contamination of local roads with sand and other material transported by vehicles, • sprinkling of surfaces of internal technological roads. Bulk materials and construction aggregate for use in the construction phase should be protect against the blowing and excessive dusting from the surface both during storage and during incorporation (particularly in the vicinity of agricultural crops and orchards, and built-up areas)	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of the construction works	Contractor / Contractor / Site Manager
					Once a month	Engineer
52	Air protection	[II.37] It is necessary to adhere to the rule of switching off machines and appliances during breaks at work.	Applies to the whole facility	Visual monitoring, supervision documentation ¹²	Throughout the whole period of implementation of the construction works	Contractor / Contractor / Site Manager
					Once a month	Engineer
53	Protection against noise	[II.40] In the areas under acoustic protection and the working sites adjacent to these areas, in order to mitigate the nuisance for inhabitants and environment, it is allowed to use only pumping engines equipped with soundproof housing.	Applies to the whole facility	Visual monitoring, supervision documentation ¹²	Throughout the whole period of implementation of the construction works	Contractor / Contractor / Site Manager
					Once a month	Engineer
54	Air protection (Protection against dusting)	[II.41] It is necessary to apply required measures limiting dust emission at the time of construction of the filtration barrier using DSM process.		Visual monitoring, supervision documentation ¹²	Throughout the whole period of implementation of the construction works	Contractor / Contractor / Site Manager
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
55	Environment, human health and safety protection	[II.42] The Contractor and Contractor's environmental team is responsible for training of the rules and conditions of the EMP for Contractor's management and engineering-technical personnel.	Applies to the whole facility	Verification of the Contractor's documents	Throughout the whole period of implementation of the construction works	Contractor / Contractor's environmental team
					Once a month	Engineer
56	Periodic meetings environmental team	[II.43] During the implementation of the tasks arising from the EMP monthly team meetings of PIO, Consultant and Contractor will take place to discuss and monitor the implementation of mitigating and monitoring measures.	Applies to the whole facility	Minutes of meetings	Throughout the whole period of implementation of the construction works	PIO and Contractor / Contractor's environmental team
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
08 - REQUIREMENTS AFTER COMPLETION OF WORKS						
57	Soil protection, flora protection	[II.22] Immediate reclamation of the area of works after the earthworks are completed. Sowing grass mix on damaged ground. Placing turf and sowing a mix of native plants on the rebuilt embankment sections.	Applies to the whole facility	Visual monitoring, recommendation and reports from implementation botanist's recommendation photographic documentation ¹²³	Throughout the whole period of implementation of order works and sowing	Contractor/ Site Manager and Botanist or Phytosociologist
					Once a month	Engineer
58	Soil protection	[II.23] Topsoiling and sowing grass on the whole ground surface after the construction works are completed.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager and Botanist or Phytosociologist
					Once a month	Engineer
59	Soil protection	[II.24] Restoring the areas temporarily occupied by the access roads, storage yards to their primary condition after the construction works are completed.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	After the construction works are completed.	Contractor
					Once after the construction works are completed.	Engineer
60	Flora protection	[II.29] Reestablishment of ground cover on the embankment slopes at the sections in the vicinity of habitat 6510.	Applies to embankment sections, where habitat 6510 is present	Local inspection, recommendation formulation, checking the implementation for its correctness, preparing reports from completed activities, photographic documentation ¹²³	Throughout the whole period of implementation of works	Contractor/ Botanist or Phytosociologist
					Once a month	Engineer

No.	Element / Zone of monitoring	The object of monitoring (Compliance with obligations or prohibitions)	Place of monitoring	Method of monitoring	Period and frequency of monitoring	The monitoring unit
61	Land area and landscape protection	[II.38] Places sowed with grass mixes should be taken care of by means of, among others, twofold mowing of flood embankments (in June and September) and removal of hard lichens. This activity includes also Defect Notification Period.	Applies to the whole facility	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of works	Contractor/ Entomologist and chiropterologist
					Once a month	Engineer
09 - GENERAL REQUIREMENTS						
62	Legislation in the country where the Agreement is to be implemented	[II.39] Contractor is obliged to knowledge and adherence to all laws currently binding in the country where the Agreement is to be implemented in the period of construction and assembly works and the Defects Notification Period. None of the provisions above do not exempt the Contractor from the application of the law.	Applies to the whole facility	Monitoring substantive knowledge of the law, written documentation ¹²	Throughout the whole period of implementation of works	Contractor / Site Manager or authorised person
					Once a month	Engineer
10 - REQUIREMENTS CONCERNING DEMOLITION OF THE UTILITY BUILDING ON PARCEL NO 803/1 AND 803/2, SIELEC DISTRICT						
63	Environment protection in the works area	[V.1] The Contractor shall be obliged to consider environmental protection within the area of works, including but not limited to the protection of soil, plants, natural relief and hydrographic conditions.	Concerning demolition on parcel no 803/1 and 803/2, Sielec district	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of demolition	Contractor / Site Manager
					Once a month	Engineer
64	Natural elements protection	[V.2] While conducting construction works it is allowed to use and transform environmental elements only within the scope necessary for the implementation of demolition of the utility building on parcel No 803/1 and 803/2, Sielec district.	Concerning demolition on parcel no 803/1 and 803/2, Sielec district	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of demolition	Contractor / Site Manager
					Once a month	Engineer
65	Natural elements protection	[V.3] If environmental elements protection is not possible, it is required to undertake actions aimed at recovering the damage caused, in particular through environmental compensation.	Concerning demolition on parcel no 803/1 and 803/2, Sielec district	Visual monitoring, photographic documentation ¹²	Throughout the whole period of implementation of demolition	Contractor / Site Manager
					Once a month	Engineer

