

APPENDIX B: PHOTOGRAPHS OF THE PROJECT SITE AND ADJOINING AREAS



Photo 1. General view of the Section 1, Minsk Wastewater Treatment Plant area (MWWTP-1)



Photo 2. A view of the main administrative building across a vegetated area of the MWWTP-1



Photo 3. An exterior and interior view of a screening chamber building (MWWTP-1)



Photo 4: Grit/sand catchers (MWWTP-1)

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 1
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			

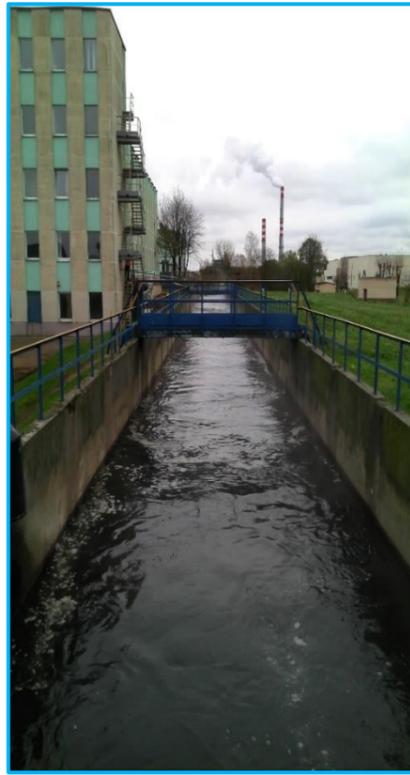
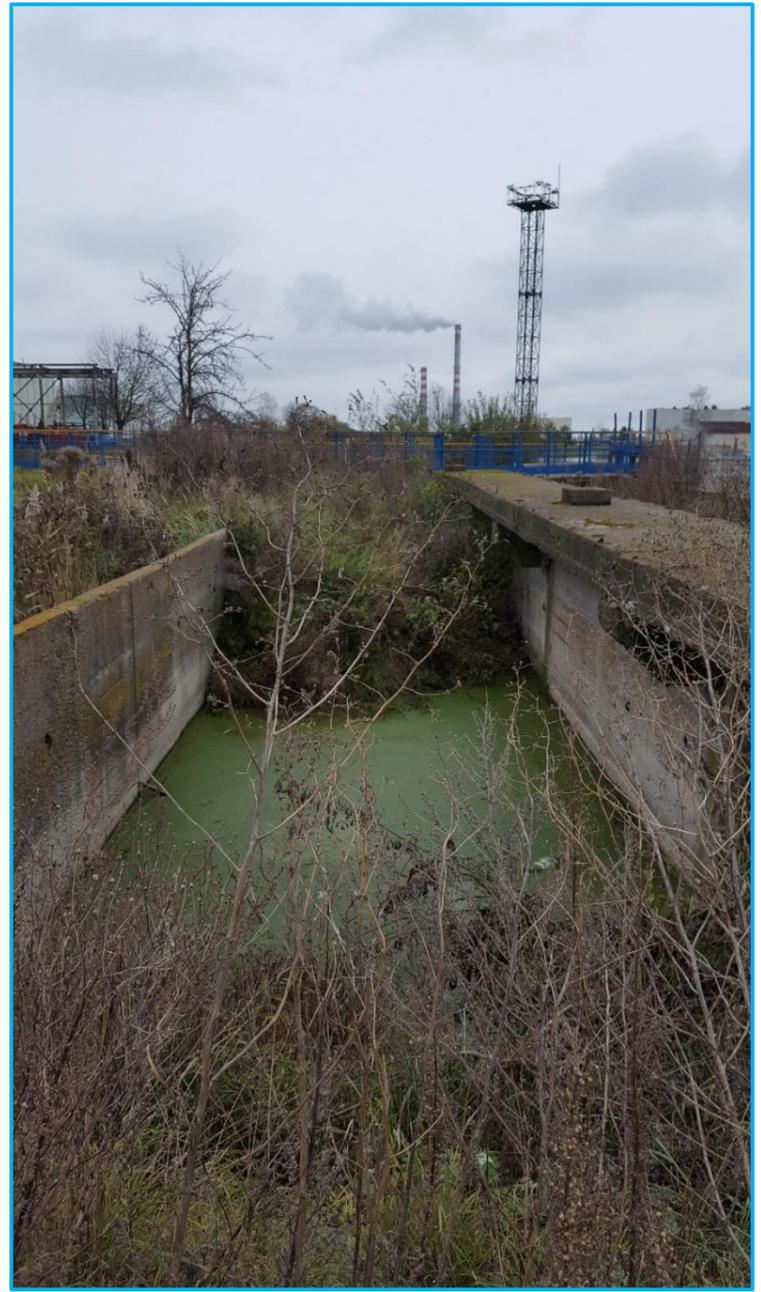


Photo 5. Open wastewater channels, both operating and decommissioned (right)



Photo 6. Primary sedimentation tanks (MWWTP-1), both operating (left) and being under maintenance

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 2
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			



Photo 7. Aeration tanks



Photo 8. Exterior and interior view of the sludge dewatering facility

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 3
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			



Photo 9. Treated wastewater lagoon (clockwise): MWWTP-2 outflow; main surface of the lagoon; aeration tower; hydroelectric station at the MWWTP-1 outflow



Photo 10. Historical methane tanks to be demolished



Photo 11. Station that re-arranges wastewater flows between MWWTP-1 and MWWTP-2. A view to the SW from the SW corner of the MWWTP-2 territory

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 4
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			



Photo 12. Section 2 of the MWWTP (clockwise): operating buildings and structures; recent earthworks area at a pipe break site; a subsurface utility area along the NE boundary of the property; general view of the WWTP-1 facility across the downslope lagoon



Photo 13. Decommissioned contact tank (the wastewater advanced treatment building can be seen in the background, see Photo 14)

Photo 14. Wastewater advanced treatment building (un-completed / abandoned, currently situated beyond the MWWTP territory)

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 5
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			



Photo 15. A view of the land plot intended for construction of a sludge incineration facility (a former sewage field followed by the MWWTP-1 sludge dewatering facility building on the background of the upper photos)



Photo 16. Svisloch river valley downstream the outflow of the MWWTP

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 6
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			



Photo 17. An undestroyed house of a relocated village within or near the boundary of sanitary protection buffer zone of the MWWTP



Photo 18. Adjacent property to the south-west, a cropland within SPZ¹ operated by Zhdanovichi agricultural company (a view facing north-west from the southern corner of the cropland)



Photo 19. Southern part of the planned Shabany Industrial Hub: car sheds, garages and service stations along Parkovaya street, 800 to 900 m south of MWWTP territory

¹ Sanitary protection buffer zone around MWWTP

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 7
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			



Photo 20. Middle- and low-rise residential area of Novy Dvor settlement, 950-1000 m to the south of MWWTP: 1 - a view from the Parkovaya street; 2 - entrance zone with a trash enclosure; 3 - an apartment building surrounded by private gardens; 4 - single-family houses with backyards and gardens



Photo 21. Shabany Station's rail yard between Shabany multi-storey residential area and industrial zone that includes MWWTP

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 8
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			

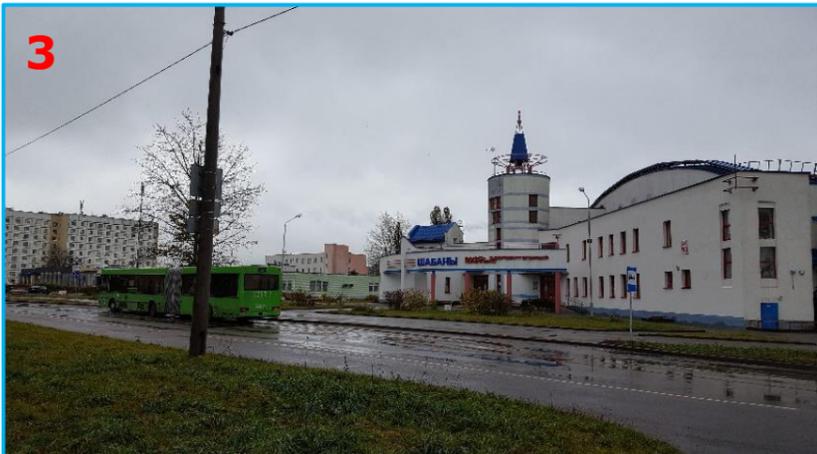


Photo 22. Shabany residential area along the boundary of the MWWTP sanitary protection zone: 1 - Rotmistrova and Shabany streets crossing; 2 - multi-storey apartment building at 11 Shabany str.; 3 - Shabany health and spa centre; 4 - Residential Hotel No. 5 operated at 16 Shabany str. by Health Department of the Minsk Municipal Executive Committee

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 9
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			



Photo 23. Volma Sludge Disposal Area (7 km to the south-east of the MWWTP): remediated (1) and waterlogged (2-4) ponds; the sludge pond in current operation (5) and adjoining area (6) with croplands located across the access road

Title:	Reconstruction of Minsk Wastewater Treatment Plant	Project No.:	Date:	Page: 10
Site:	Republic of Belarus. Zavodskoy District of Minsk and Minsk Region (Minsk District, Novodvorsky and Lugovoslobodsky Rural Council)	321000029	November 1st&2nd, 2017	Appendix B
Client:	EBRD			