

Social Safeguards Monitoring Report

KGZ: Issyk-Kul Wastewater Management Project

ADB Loan and Grant: L3742-KGZ; G0628-KGZ

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Prepared by the Drinking Water Supply and Sewerage Development Department under the Ministry of Water Resources, Agriculture and Processing Industry of the Kyrgyz Republic (DWSSDD) for the Asian Development Bank.

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LIST OF ABBREVIATIONS

ADB	—	Asian Development Bank
ADB'S SPS 2009	—	ADB's Safeguard Policy Statement (July 2009)
AP	—	Affected person
DSA	—	District State Administration
DSC	—	Design and supervision consultant
EA	—	Executing Agency
GRG	—	Grievance Redress Group
GRM	—	Grievance Redress Mechanism
HH	—	Household(s)
ISDP	—	Issyk-Kul Sustainable Development Project
IWMP	—	Issyk-Kul Wastewater Management Project
KR	—	Kyrgyz Republic
LAR	—	Land Acquisition and Resettlement
LARF	—	Land Acquisition and Resettlement Policy Framework
LARP	—	Land Acquisition and Resettlement Plan
LFP	—	Local Focal Point
MNRETS	—	Ministry of Natural Resources, Ecology and Technical Supervision
MWRAPI	—	Ministry of Water Resources, Agriculture and Processing Industry
MCAHCS	—	Ministry of Construction, Architecture, Housing and Communal Services
PC	—	Public Consultation
PIU	—	Project implementation units (Issyk-Kul Wastewater Management Project offices, Karakol, Balykchy)
PMO	—	Project Management Office
DWSSDD	—	Drinking Water Supply and Sewerage Development Department under the Ministry of Water Resources, Agriculture and Processing Industry of the Kyrgyz Republic
SN	—	Sewerage network
SPZ	—	Sanitary Protection Zone
SDD	—	Social Due Diligence
SDDR	—	Social Due Diligence Report
WWTP	—	Wastewater Treatment Plant

INTRODUCTION

1. The purpose of the Issyk-Kul Wastewater Management Project (IWMP) is to improve and expand access to reliable, sustainable and affordable sewerage services in Balykchy and Karakol cities; IWMP foresees modernization and construction of existing sewerage treatment plant systems, strengthening institutional capacity and increasing the sustainability of water supply and sewerage public utilities. IWMP outputs should provide (i) improvement of the wastewater system in Balykchy and Karakol cities, (ii) strengthening of institutional capacity and (iii) improvement of septic sludge and sanitation management. The project involves the construction or rehabilitation of sewerage networks and treatment facilities, including Wastewater Treatment Plants (WWTPs), pumping stations, pipelines and related infrastructure, which will significantly improve health, hygiene and sanitation standards.

2. In 2018, a Land Acquisition and Resettlement Framework (LARF) and a draft Land Acquisition and Resettlement Plan (LARP) were developed for the IWMP.

3. IWMP was approved by the Asian Development Bank's (ADB) Board of Directors on November 20, 2018, and Grant and Loan Agreements were signed between ADB and the Government of the Kyrgyz Republic (GoKR) on December 28, 2018. Law of the Kyrgyz Republic No. 60 "On Loan Agreement Ratification" dated July 16, 2019 was published in the Erkin Too newspaper dated July 19, 2019.

4. ADB approval dated August 16, 2019 determines the date of entry into force of the Project and, in accordance with the Grant and Loan Agreements dated December 28, 2018, the Project will be implemented from August 16, 2019 to December 31, 2024. Based on the request of the Ministry of Finance of the Kyrgyz Republic and with the ADB consent, the project implementation period has been extended until 31 December 2026.

1. PROJECT IMPLEMENTATION STATUS

5. At the initial stage, two Sub-Projects were identified in the Project - Balykchy Sub-Project and Karakol Sub-Project. Currently these Sub-Projects are divided even more.

6. Balykchy Sub-Project is divided into two Sub-Projects: Balykchy Sewerage networks (SN) and Balykchy Wastewater Treatment Plant (WWTP).

7. Karakol Sub-Project is divided into four Sub-Projects: (i) Karakol SN, (ii) Karakol WWTP, (iii) Construction of a V=50 m³ reservoir, 200 m of discharge pipeline across the Karakol River and modernization of 28 manholes on the main sewerage collector in Karakol. (iv) Desludging of the Seasonal regulation reservoir – irrigation pond of the Ak-Suu District Water Management Department (SRR) and oxidation ponds.

1.1 BALYKCHY SN SUB-PROJECT

8. The detailed design of the Balykchy SN was approved by Project Management Office (PMO) and Executing Agency (EA) in December 2020 and approved by the state expertise in January 2021. According to the detailed design of Balykchy SN developed by

DSC, the construction of 10.7 km of sewerage network was foreseen, taking into account passages and intersections of communications.

9. The designed routes of engineering communications are located in the central part of the city along six streets from Tynystanov to Ozernaya. (Kaldybaeva, Sharipova, Toktosunova, Mambetalieva, T. Moldo, and Ozernaya streets). SN were designed along the roadway of streets and along sections of streets, laid underground, in an “open way” with a laying depth of 1.7 m to 3.5 m. Design and construction of SN includes the restoration of roads, sidewalks and other communications.

10. For Lot 1 (5.34 km), a Contract with Impulse-Osh LLC was signed on January 21, 2022 for the amount of USD 475,802.09. The Contractor has 100% completed construction and installation works on laying polyethylene pipe pipelines with iron-concrete manholes.

11. For Lot 2 (5.32 km) the Contract with Profit-Express LLC was signed on February 1, 2022 for the amount of USD 556,775.32. The Contractor has 100% completed construction and installation works on laying polyethylene pipe pipelines with iron-concrete manholes.

12. The Department of State Architectural and Construction Control under the former SAACCS (Reorganized into the Ministry of Construction, Architecture, Housing and Communal Services of the Kyrgyz Republic - MCAHCS) issued Act No. 116-23 dated December 26, 2023, on conformity assessment of the commissioning of the completed construction facility, and by Act No. 117-23 the facilities were accepted into operation.

13. The work was carried out within the boundaries of municipal land plots, without affecting private households.

14. Based on the results of the survey of objects, there were no comments on the social safeguards issues.

15. Within the IWMP framework, Encon LLC carried out the design works and prepared the detailed design and cost estimates for the **additional expansion of sewerage networks** in the cities of Karakol and Balykchy.

16. In accordance with the requirements of national legislation, public hearings entitled “Environmental Impact Assessment and Social Safeguards for the Construction of Additional Sewerage Networks in Balykchy” were held at the Balykchy City Mayor’s Office on 4 April 2025.

17. The project for the additional sewerage networks in the city of Balykchy received positive conclusions from the State Environmental Expertise of the Issyk-Kul Regional Department of the Ministry of Natural Resources, Ecology and Technical Supervision of the Kyrgyz Republic (MNRETS) dated 27 May 2025.

18. The Social Due Diligence Report (SDDR) and the Initial Environmental Evaluation (IEE) for the additional sewerage networks in the city of Balykchy were reviewed,

approved, and disclosed on the ADB website on 27 August 2025¹ and 20 August 2025², respectively.

19. The construction of the additional sewerage networks in the city of Balykchy (11,030 m) is divided into two lots: Lot 1 "Eastern", with a total length of 5,205 m, including the following streets: Bekturova (2,148 m), Kadyr-Ake (2,798 m), and Abdrakhmanova (259 m). Lot 2 "Western", with a total length of 5,825 m, including the following streets: Zapadnaya (3,590 m) and Zh. Sultanova (Pervomayskaya) (2,235 m).

20. Lot 1: On 21 January 2026, the contract was signed with Minur LLC. Lot 2: On 21 January 2026, the contract was signed with Profit-Express LLC. During the reporting period, under the Eastern Lot, Minur LLC completed the construction of 3,534.0 m of gravity sewer pipeline and 1,030.0 m of twin rising main, representing 92.0% of the total sewer network. At the intersection of Kadyr Ake Street and Ozernaya Street, a sewer crossing beneath the railway was successfully constructed using the horizontal directional drilling (HDD) method.

21. Under the Western Lot, Profit-Express LLC completed the construction of 4,889.2 m of gravity sewer pipeline and 460 m of twin rising main, representing 78.3% of the total sewer network.

1.2 BALKCHY WWTP SUB-PROJECT

22. For the design and construction of the Balykchy WWTP, in Quarter III, 2021, on the basis of a competitive bidding, a contract was concluded with the contractor - China Road and Bridge Corporation Consortium.

23. The detailed design of the Balykchy WWTP was prepared by the contractor in March 2022 and submitted to the State Expertise Department. Based on the detailed design, environmental specialists developed a Sanitary Protection Zone design and determined the estimated sizes of the sanitary protection zone, which amounted to 200 m from the pollution sources and which comply with the regulatory requirements of the Sanitary and Epidemiological Rules and Regulations "Sanitary Protection Zones and Sanitary Classification of Enterprises, Facilities and Other Objects" (Approved by the Resolution No. 201 of the GoKR dated April 11, 2016, in edition No. 180 dated March 23, 2020). The Sanitary Protection Zone (SPZ) of the project passed the state environmental expertise procedure and obtained a positive conclusion.

24. When preparing the draft LARP in 2018, the size of the sanitary protection zone was set at 400 m from the WWTP boundaries. In accordance with the 2018 LARP, five households were identified as located within the SPZ and possibly subject to resettlement. But after preparing a detailed design, the SPZ was reduced to 200m based on calculated

¹ <https://www.adb.org/projects/documents/kgz-50176-002-sddr-5>

² <https://www.adb.org/projects/documents/kgz-50176-002-iee-6>

indicators. The design capacity of Balykchy WWTP of up to 5000 m³/day also corresponds to standard size SPZ of 200 m³.

25. Due to the reduction of the SPZ size from 400 m to 200 m based on environmental calculations, in June 2022, PMO and PIU staff handed over a notification to each household on their exclusion from LARP.

26. On March 18, 2022, public hearings on the Balykchy WWTP project were held at the Municipality.

27. The SDDR for Balykchy WWTP was prepared and approved by ADB as early as Quarter II, 2022 and before the start of construction work.

28. The Contractor obtained positive conclusions on the design and estimate documentation from the former SAACHCS (was reorganized into the Ministry of Construction, Architecture, Housing and Communal Services of the Kyrgyz Republic (MCAHCS)).

29. All mandatory spare parts and equipment have been fully supplied. From October 9 to November 3, 2024, functional completion testing of the wastewater treatment plant (WWTP) was conducted, including wastewater quality assessments. The tests were carried out with the involvement of accredited laboratories from the Department of Environmental Monitoring under the Ministry of Natural Resources, Ecology, and Technical Supervision of the Kyrgyz Republic, as well as the Issyk-Kul Interdistrict Center for Disease Prevention and Sanitary-Epidemiological Surveillance under the Ministry of Health.

30. Based on the test results, the Chief Technical Advisor of the EA issued a Report on the Evaluation of Functional Warranty Test Results, dated December 6, 2024, confirming that the Balykchy Wastewater Treatment Plant was accepted for operation as of November 3, 2024. Additionally, Conformity Assessment Act No. 169-24, issued on December 12, 2024, by the Issyk-Kul Regional Department of the State Architectural and Construction Control (SACC)—the authorized body under the former SAACHCS (Reorganized into the Ministry of Construction, Architecture, Housing and Communal Services of the Kyrgyz Republic - MCAHCS)) — The Balykchy wastewater treatment plant has been certified as compliant with the requirements of technical regulations and design documentation, and the WWTP has been put into operation.

31. During the reporting period, under the Contract Agreement, the Contractor supplied spare parts and materials required for the proper operation, maintenance, and repair of the WWTP in the amount of USD 85,194.01.

32. To eliminate odour in the coarse and fine screening areas of the preliminary treatment building, an automatic intelligent high-pressure deodorizing liquid misting system was installed. All deficiencies identified by the Vodokanal have been rectified and handed over by the Contractor. In addition, compliance with the functional guarantees was confirmed based on the results of joint analyses conducted by the parties. Accordingly, the wastewater treatment plant has been handed over to the Vodokanal for operation.

33. Following negotiations with the Contractor with the participation of the DSC, Contract Amendment No. 4 dated 17 December 2025 extended the warranty operation period of the WWTP until 31 January 2026, proportionally to the period of downtime caused by the improper operation of certain equipment units (blowers, scrapers, and pumps).

34. All deficiencies identified by the ME “Vodokanal” have been rectified by the Contractor and formally handed over. In addition, compliance with the functional guarantees was confirmed based on the results of joint analyses conducted by the parties.

35. Following successful operation of the facility under the Contractor’s management, the wastewater treatment plant was handed over to the ME “Vodokanal” of Balykchy City. By the Handover and Acceptance Act dated 16 April 2026, the wastewater treatment plant was transferred from the balance sheet of the municipal enterprise “Mulk” under the Balykchy City Mayor’s Office to the balance sheet of the municipal enterprise “Vodokanal” under the Balykchy City Mayor’s Office for further operation.

1.3 KARAKOL SN SUB-PROJECT

36. The detailed design of the sewer networks was developed by DSC, approved by PMO and EA in December 2020 and approved by the State Expertise in January 2021.

37. The designed routes of 12.7 km SN are located along Moskovskaya, Duysheeva, Boronbai Khan, Asanaliev, Abdrakhmanov, Alybakov, Akhunbaev, Gebze, Lenin, Zhamansariyev, Kadyrov, Przhevalsky, Shorukov streets. Sewer networks are designed along the roadways of streets and along sections of streets, laid underground, in an “open way” with a laying depth of 1.42 m to 4.48 m. The design and construction of the SN include the restoration of roads, sidewalks and other communications.

38. During the detailed design stage, the social due diligence (SDD) was carried out to identify the impact of the project on households and their assets. Field surveys were carried out jointly with engineers and representatives of local government authorities and the Department of Architecture and Urban Planning, and to verify and confirm that the work associated with the crossing of utilities will be carried out within the right of way and does not cause impact on households (neither permanent, nor temporary). For Karakol SN, the SDDR was prepared in Quarter II, 2021. ADB approval was obtained in Quarter III, 2021.

39. For Lot 1 (6.71 km), a contract was signed on March 31, 2022 with Minur LLC in the amount of USD 548,072.89. The Contractor has 100% completed construction and installation works on laying polyethylene pipe pipelines with iron-concrete manholes.

40. For Lot 2 “Severnaya” (5.94 km) on April 5, 2022 the Contract with the Consortium “Inzhenernaya Zashita” LLC “Polymer Snab Asia” LLC was signed for the amount of USD 549,490.97. The Contractors have performed construction and installation works on laying of polyethylene pipe pipelines with iron-concrete manholes on 100%.

41. The Department of State Architectural and Construction Control under former SAACHCS(reorganized into MCAHCS) issued Act No. 124-23 dated December 26, 2023, No. 124 of conformity assessment of the commissioning of the completed construction facility and the facilities were accepted for operation.
42. In March 2022, within the framework of the DSC Temelsu working trip, together with PMO and PIU IWMP, a training in Karakol on ADB's social and environmental safeguards was conducted for the Contractors Minur LLC, and Inzhenernaya Zashchita LLC with Polymersnabazia LLC. In April 2022, work on the construction of Karakol SN started.
43. As part of social monitoring by DSC, environmental and social safeguards specialists regularly visit construction sites on a monthly basis. Together with a specialist in environmental safeguards, the availability of necessary documentation at the sites, information banners, installation of fences and compliance with safety regulations were checked.
44. Construction works were completed. The areas of completed work were graded and covers and hatches were installed on the manholes. Work was completed to restore the asphalt surface of the crossings. The work was carried out within the boundaries of municipal land plots, and private households were not affected.
45. During the construction work, there were unexpected intersections and damage to utilities not specified in the design. Thanks to the efforts of the Contractors, the damaged utilities were restored in the shortest possible time, and did not cause any complaints from households.
46. Based on the results of the inspection of the facilities, there are no comments on social safeguards.
47. Within the IWMP framework, Encon LLC carried out design works and prepared the detailed design and cost estimates for the **additional expansion of sewerage networks** in the cities of Karakol and Balykchy.
48. In accordance with the requirements of national legislation, public hearings entitled "Environmental Impact Assessment and Social Safeguards for the Construction of Additional Sewerage Networks" were held at the Karakol City Mayor's Office on 31 January 2025.
49. The project for the additional sewerage networks in the city of Karakol received positive conclusions from the State Environmental Expertise of the Issyk-Kul Regional Department of the Ministry of Natural Resources, Ecology and Technical Supervision of the Kyrgyz Republic (MNRETS) dated 19 May 2025.
50. The SDDR and the IEE for the additional sewerage networks in the city of Karakol were reviewed, approved, and disclosed on the ADB website on 27 August 2025⁴ and 20 August 2025⁵, respectively.
51. The construction of the additional sewerage networks in the city of Karakol, with a total length of 12,246.2 m, covers the following streets and areas: Zhamansarieva, Derbishcheva, Kharkovskaya, Alybakova, Orozbekova, Alyshbaeva (Lenina), Ippodromnaya, Zhusaeva, Asanalieva, Tyupskaya, Aldasheva, Shopokova Streets, and the Geolog village. During the reporting period, on 21 August 2025, a contract was signed

⁴ <https://www.adb.org/projects/documents/kgz-50176-002-sddr-6>

⁵ <https://www.adb.org/projects/documents/kgz-50176-002-iee-7>

with Engenernaya Zhashita LLC. The Contractor prepared the Site-Specific Environmental Management Plan (SSEMP), which was approved by the PMO, the site was handed over to the Contractor, and construction works were commenced.

52. The works, which were suspended in November 2025, resumed in April 2026. As of the end of June 2026, the Contractor had completed the construction of gravity sewer pipelines as follows: under Lot No. 1 — 2,605.0 m; under Lot No. 2 — 1,702.0 m, representing approximately 40% of the total volume of works.

1.4 KARAKOL WWTP SUB-PROJECT

53. The existing WWTP was constructed in 1980 and is designed for full mechanical and biological treatment, with a design capacity of 22,000 m³/day. Currently, all mechanical and biological treatment facilities of the WWTP actually function as settling tanks; sediment is not removed from them regularly and active sludge rotting is visually observed at the bottom of primary settling tanks, aeration tanks, secondary settling tanks and in the contact tank. The existing sludge beds are partially exploited. The actual incoming wastewater flows are not measured at the WWTP, however, according to Karakol Vodokanal (KVK) estimates, the existing flow averages 7,500 m³/day, with incoming flows of about 6,000 m³/day in winter and 12,000 m³/day in summertime.

54. According to ADB procurement rules, on December 21, 2022, a contract was signed with the JV of Hayat Group LLC and Bioworks Verfahrenstechnik GmbH for the design and construction of the Karakol WWTP.

55. During the reporting period, the Contractor carried out the following works: almost all concrete construction works have been completed, with only some finishing works remaining (plastering, wall insulation, etc.), as well as the installation of metal elements, doors, and windows. Overall, the completion rate of civil and architectural works is 94%, while the actual physical progress of construction works at the site (including electrical installation works) is approximately 76.5%.

56. Work on the design of the Karakol WWTP began in Quarter I, 2023. In August 2023, the Contractor's specialists developed the design of the SPZ of the Karakol WWTP. This SPZ design of 2023 was approved on September 11, 2023 by the Issyk-Kul regional department of the Ministry of Natural Resources, Ecology and Technical Supervision of the Kyrgyz Republic. The size of the specified SPZ complies with the regulatory requirements of 400 m from the WWTP production site. The established boundaries of the SPZ do not affect private households and exclude the need to prepare a Resettlement Plan.

57. In this regard, the SDDR was prepared, which was approved by ADB on April 23, 2024⁶. This report was updated, approved by the ADB, and disclosed in October 2024.⁷

58. On October 31, 2023, public hearings were held to disclose information on the project. 58 people participated, including 14 women and 44 men.

⁶ https://www.adb.org/sites/default/files/project-documents/50176/50176-002-sddr-en_2.pdf

⁷ https://www.adb.org/sites/default/files/project-documents/50176/50176-002-sddr-en_3.pdf

59. The following took part in the public hearings: DWSSDD coordinator in Issyk-Kul region, representatives of the Karakol Municipality, State Sanitary and Epidemiological Surveillance for Karakol city, Ministry of Emergency Situations, Karakol Vodokanal Enterprise, Karakol Municipal Property Department (MPD), PMO, PIU, the Consultant and the Contractor. Residents of the Geolog village also took part in the public hearings, and expressed dissatisfaction with the fact that, based on the approved SPZ project, resettlement is not expected. That is, there are no grounds for paying money to households in the Geolog village at the current period.

60. A quadripartite Memorandum of Understanding was prepared between the Implementing Agency, Karakol Mayor's Office, SIDWSSD (and its IWMP PMO) and the residents of Geolog village, as previously the residents had appealed to the EA, IA to solve the following social issues of the settlement: (i) sustainable water supply by replacing the deep pump and drinking water storage tank, (ii) sustainable electricity supply by replacing the transformer, (iii) laying the sewerage network in Geolog village, (iv) construction of a bus stop in Geolog village, (v) equipping a playground, (vi) road construction.

61. The site is designated for the installation of an underground-type sewage pumping station (SPS). The SPS consists of a sealed plastic tank housed within a prefabricated reinforced concrete chamber. The pressure pipeline from the SPS will be constructed using PE pipes (in accordance with GOST 18599-2001) with a diameter of 50 mm, laid in two parallel lines. To manage potential emergencies in the pressure pipeline, a K-262 chamber is provided, containing shut-off and regulating valves. These valves enable the control and redirection of flow between the pressure lines in the event of a malfunction or accident.

62. Installation of a depth pump will be made in the existing well, which is located on the territory of the Geolog village of Altyn-Arashan aiyl okmotu (formerly called Kara-Dzhal aiyl okmotu), which has a State Act of perpetual use of an area of 0,1 hectares.

63. Adjacent to the well is an old water reservoir that is scheduled for replacement. The water quality meets drinking water standards, as the well has been operational since 2004 and has consistently supplied water to the residents of Geolog village. However, due to population growth in the area, there is now a need to replace the existing tank with one of larger capacity.

64. No demolition of existing structures is planned, and therefore, there will be no waste disposal associated with this process. The old transformer, which has a smaller capacity, will remain in its current location and will not be dismantled. A new transformer has been installed within the municipal territory allocated by Resolution No. 3 dated 15 January 2025 of the Altyn-Arashan Aiyl Okmotu (local government authority). Reinforced concrete poles have also been installed, and 600 m of self-supporting insulated aerial cables (SIP cables) have been laid along the poles.

65. To address the social needs of the Geolog village, the following equipment and inventory will be procured using IWMP funds, based on the technical specifications provided by the Karakol City Mayor's Office and ME "Vodokanal":

- Deep well pump with accessories;
- 15m³ potable water storage reservoir;

- Materials for construction of water supply line;
- Power oil transformer with power 250 kva and cabinet;
- Materials for construction of power transmission line, 25 pieces of iron concrete supports;
- Children playground with lighting.

66. A cadastral plan for a 500 m² land plot in the Geolog village, designated for a children's playground, was obtained on 2 February 2026. Using its own funds, the Karakol City Mayor's Office, through the municipal enterprise "Zhashyldandyruu Charbasy", installed a children's playground in the Geolog village.

67. The main sewerage network in Geolog village will be constructed using IWMP funds on the basis of technical data provided by ME Karakol Vodokanal. This sewerage network will be constructed as part of the additional sewerage extension in Karakol. Residents will be able to connect to the centralized sewerage network independently through ME Karakol Vodokanal according to the established procedure after the commissioning of the WWTP in Karakol.

68. The road in Geolog village and the bus stop will be constructed by local self-governments at their own expense. The bus stop has been installed by the Karakol Mayor's Office.

69. A land plot of 1000 m² has been allocated for the installation of a depth pump and inventory for the playground. Altyn-Arashan aiyl okmotu has a certificate of perpetual use for this land plot.

70. One of the main directions of social support to the residents of Geolog village is employment assistance to the residents of the village who are looking for a job. Within the framework of this support several residents of Geolog village were employed: 1 cook, 2 laborers, 1 security guard.

71. SDDR for the procurement of equipment for the social facilities in Geolog village was prepared and approved by ADB in December 2024.⁸

72. In August 2024, the Karakol Project Implementation Office hired a Community Liaison Officer to facilitate interaction with the local community and residents of Geolog village, and to provide timely updates on the project's progress.

73. On October 3, 2024, an online meeting was held, attended by Sophio Omanadze, Social Safeguards Specialist at ADB (OSFG), N. Kudaiberdiyeva, Social Safeguard Specialist (OSFG), A. Amanova, Senior Project Specialist, PTL, S. Omurkanov, Director of IWMP PMO, M. Zhumabekov, PMO Social Safeguards and Resettlement Specialist, A. Dzhanybekov, Manager of Karakol PIU, and the PIU Community Liaison Officer. The meeting focused on ADB social and environmental safeguards, the experience of ADB projects in Georgia, and the role of the Community Liaison Officer. N. Kudaiberdiyeva sent a social questionnaire to gather relevant information, which was completed and submitted to ADB on October 21, 2024.

⁸ https://www.adb.org/sites/default/files/project-documents/50176/50176-002-sddr-en_4.pdf

74. Odor Monitoring Reports conducted by the Karakol PIU Community Liaison Officer for January-June 2026 are attached to the Report (Annex 2).

1.5 SUB-PROJECT: CONSTRUCTION OF V=50 M³ RESERVOIR, 200 M DISCHARGE PIPELINE AND REHABILITATION OF 28 MANHOLES ON THE MAIN SEWER COLLECTOR FROM KARAKOL CITY

75. The original Karakol WWTP Sub-Project included the construction of a sewage pumping station and a pressure pipeline section. At the initiative of the Karakol Municipality and ME Vodokanal, jointly with PMO and DSC it was decided that these facilities would be included in the second phase of construction. For the current period, as part of the first stage, a storage reservoir will be designed and built. Cleaning of the reservoir will be carried out as necessary by two vehicles to the existing sewage pumping station.

76. On March 31, 2022, public hearings were held on this Sub-Project at the Karakol Municipality.

77. This Sub-Project also includes the design and construction of a 200-meter discharge pipeline from the Karakol WWTP across the Karakol River into the existing pipeline to the SRR. Survey work was carried out and design was completed.

78. The existing 28 manholes on the main sewer from the city to the Karakol WWTP will be upgraded. Design involves checking the sealing, leveling to marks and, if necessary, strengthening / restoration. Design work was completed and information on social safeguards was included in the SDDR.

79. In April 2023, SDDR was prepared. SDDR for additional works was approved and disclosed by ADB⁹.

80. The contract with the Contractor, Tunuk-Kurulush LLC, was signed on March 11, 2025, and the construction site was handed over on April 5, 2025.

81. During the reporting period, the Contractor completed the rehabilitation of 28 manholes. The reservoir in the Pristan-Przhevalsk settlement was installed and completed, including the associated manholes and backfilling in accordance with the revised and approved design, as well as the construction of the perimeter fence around the reservoir and the pipeline crossing of the river.

As the existing discharge pipeline from Biological Pond No. 4 of the Karakol WWTP to the outfall had been damaged and partially blocked, the Contractor carried out, as additional works, the replacement of the pipeline with a new 500 mm diameter pipe and the construction of a new outlet chamber and manhole.

82. The Contractor completed all works under the Contract, including the additional works. The Certificate of Completion was issued on 11 February 2026. The Contractor rectified the deficiencies identified in the Appendix to the Certificate of Completion and submitted the as-built drawings for review and approval.

⁹ http://iwmp.kg/wp-content/uploads/2023/04/SDDR_Karakol_additional_works_en.pdf

1.6 SUB-PROJECT: DESLUDGING OF SRR AND OXIDATION PONDS.

83. In connection with the upcoming work on sludge management, in April 2023, a specialist biologist carried out activities on relocation of the population of the Central Asiatic Frog from the oxidation ponds.

84. Within the framework of the project, a Program and Action Plan for Sludge Management (SMP) were developed for the biological ponds of the Karakol and Balykchy WWTPs, as well as the Seasonal Regulation Reservoir-irrigation Pond (SRR) of the Ak-Suu District Water Management Department (DWMD), which were agreed with ME Vodokanal of Karakol and Balykchy cities and Ak-Suu DWMD and approved by ADB.

85. Work is foreseen to clean the SRR from sludge over the next 5-6 years using the forces and means of Ak-Suu DWMD. In this regard, based on the request of the Issyk-Kul Main Department of Water Resources, special equipment was purchased in accordance with ADB procedures within the framework of the project.

86. In turn, Ak-Suu DWMD carried out all preparatory work for cleaning and storing sludge from the SRR within the framework of the requirements of national legislation, including the environmental legislation.

87. Under Contract NCS-1-2023, dated October 17, 2024, Encon Ltd. was commissioned to carry out the detailed design for the fencing of the sludge disposal area allocated for sludge storage from the Ak-Suu DWMD irrigation pond. The EA forwarded the design materials to the Ak-Suu DWMD of the Issyk-Kul Main Water Management Department, under the Water Resources Service of the Ministry of Agriculture and Water Resources of the Kyrgyz Republic, for approval and to obtain the necessary official conclusions. This process also includes public consultations, in line with legislative requirements, and takes into account the positive conclusion of the state environmental expertise for the project “Dewatering, Transportation, and Temporary Storage of Sludge (Bottom Sediments) from the Ak-Suu DWMD Irrigation Pond,” dated July 8, 2024. The Detailed Design also received a positive conclusion from the state expertise.

88. On 31 January 2025, a public hearing entitled “Environmental Impact Assessment and Social Safeguards for the Fencing and Construction of a Sludge Storage Area from the Ak-Suu District Water Management Department WWTP” was held. The preparation of the SDDR and the IEE for this subcomponent is not envisaged.

89. The Contractor, Profit Express LLC, was handed over the design documentation and the site. The project was registered with the State Inspectorate for Architectural and Construction Supervision (GASK) and entered into the Register of Construction Projects. The site was officially handed over to the Contractor. The Contractor mobilized construction equipment and personnel.

90. Construction works commenced on 10 March 2026 following the PMO's approval of the Site-Specific Environmental Management Plan (SSEMP). Completion of the works is scheduled for September 2026.

2. OBJECTIVES OF SOCIAL MONITORING

91. To ensure successful and smooth implementation of the Project in accordance with the requirements of ADB's SPS 2009, social safeguards monitoring is carried out by the

PMO with the assistance of PIU to ensure compliance with the social safeguards specified for the Project, including:

- social assessment of project activities before the start of any construction work and ADB approval;
- compliance with the requirements of ADB's SPS 2009 that no construction work can start before ADB approval, including ADB approval of SDDR or LARP compliance report;
- ensuring that work to minimize the impact of the project on households is carried out during detailed design;
- implementation of the Grievance Redress Mechanism (GRM), timely and effective consideration of grievances, if any, throughout the project implementation period;
- monitoring compliance with the requirement for necessary investigation, consultation and preparation of a Corrective Action Plan in case of unexpected impact of LAR;
- compliance by the Contractor with the requirements of ADB's SPS 2009 in accordance with the contractual documents.

92. According to the results of social safeguards due diligence, during the construction of Balykchy WWTP and Karakol WWTP, as well as Balykchy SN and Karakol SN, including additional SN there is no impact on households and LAR. All works were carried out and keep caring out within the boundaries of municipal lands.

93. Throughout the reporting period, professional consultations on current issues were regularly held with specialists from the ME "Vodokanal", Mayor's Offices of Karakol and Balykchy, the Ministry of Construction, Architecture, Housing and Communal Services, and others. The main discussions concerned compliance with ADB's SPS 2009 requirements.

94. The Contractor's activities are closely monitored by the PMO, PIU and DSC to ensure compliance with the requirements of ADB's SPS 2009 and LARF.

95. If an unexpected LAR impact is identified, measures will be taken to comprehensively study the situation and prepare a Corrective Action Plan (as an additional document) and provide all necessary permits, legal opinions and agreements.

2.1 STRENGTHENING PROJECT AWARENESS AND COMMUNITY ENGAGEMENT

96. To support public information dissemination and stakeholder engagement under the Project, particularly among the residents of Geolog village, and to raise public awareness of the Project, sanitation and hygiene, the benefits of connecting to the sewerage system, and related issues, as well as to strengthen the capacity of the PIU CLO in Karakol, the Consultant, Abiyr El Public Association, was engaged. The Consultant is carrying out its activities in accordance with the Terms of Reference and the implementation plan approved by the PMO (the progress of the Plan implementation is attached to this Report).

97. During the reporting period, Abiyr El PA carried out a comprehensive programme of public information and stakeholder engagement activities under the IWMP information campaign. The primary focus was on engaging residents of Karakol, including Geolog village, as well as Balykchy city, which are among the Project's priority target areas. The activities were aimed at increasing public awareness of the Project's objectives and implementation progress, promoting sanitation and hygiene, highlighting the environmental and social benefits of connecting to the centralized sewerage system, and fostering responsible use of wastewater infrastructure.

98. During the reporting period, Abiyir El Public Association continued implementing public awareness and community engagement activities under the IWMP. The primary focus was on engaging residents of Karakol, including Geolog village, as Balykchy city. The activities were aimed at informing the public about the Project's objectives and implementation progress, the benefits of upgrading the wastewater treatment facilities, and issues related to sanitation, hygiene, and the responsible use of the sewerage system. These activities were implemented using a gender-responsive approach that takes into account the interests and needs of women, men, and vulnerable groups.

99. In April–May 2026, two information meetings were held with residents of Geolog village. A total of 23 people participated in the events, including 11 women and 12 men. Participants were informed about the construction and modernization of the wastewater treatment facilities in Karakol, the environmental and social benefits of connecting to the centralized sewerage system, as well as sanitation and hygiene issues. The active participation of residents and significant representation of women demonstrated a high level of community interest in the Project and the effectiveness of the gender-responsive approach. In addition, on 1, 6, and 8 April 2026, four consultation meetings were conducted in Balykchy at the premises of the Municipal Enterprise “Vodokanal”, Municipal Enterprise “Tazalyk”, the Issyk-Kul Industrial-Pedagogical College, and the Primary Health Care Center. The total outreach reached 82 participants, including 53 women (64.6%) and 29 men (35.4%). During the meetings, participants were provided with information on the procedures and conditions for connection to the centralized sewerage system, technical and organizational requirements, wastewater system operation and maintenance rules, as well as measures to prevent blockages and reduce pressure on the infrastructure. Participants had the opportunity to ask questions to specialists, discuss existing challenges, and receive individual consultations.

100. The implemented activities contributed to increasing the level of awareness among the population and stakeholders, strengthening engagement with local communities, and fostering a responsible attitude towards the use of wastewater infrastructure. These outcomes are in line with the objectives of IWMP information campaign.

101. As part of the implementation of the information campaign, regular engagement was maintained with local residents, representatives of the PMO, municipal authorities, education departments, and social protection departments of Karakol and Balykchy, community activists, educational institutions, and other stakeholders. Information and awareness-raising activities, consultations with PMO specialists, interactive events, and

discussions were conducted, during which the public received up-to-date information and answers to practical questions related to connection to the sewerage system and improvement of sanitary conditions. In addition, in cooperation with journalists from “Ysyk-Kul TV”, a news report on the Project in Balykchy was prepared, and on 31 March 2026, the “Aikyn” TV programme was broadcast with the participation of PMO Director S.A. Omurkanov, Institutional Development Specialist R. Suranchieva, and a specialist from the ME “Vodokanal” of Karakol. The participants of the programme presented information on the goals and objectives of IWMP. Information on the activities carried out by Abiyr El Public Association during the current reporting period is attached to this Report.

102. During the reporting period, interactive public information and awareness-raising activities were conducted in Balykchy. On 29 April 2026, two public screenings of a video developed as part of the “Balykchy WWTP” information campaign were held. The first screening took place in the conference hall for students of the Issyk-Kul Industrial-Pedagogical College and young people; the second screening was organized in the assembly hall for students of grades 9–11 of the Manas Secondary School. The objective of the events was to increase awareness of the wastewater management system, the procedures for connection to the wastewater treatment facilities, environmental awareness, and to promote responsible attitudes towards the sustainable use of water resources and urban sanitation. On 30 April 2026, an environmental educational quest game entitled “Mission: Clean Sewerage” was conducted. The activity was aimed at increasing participants’ awareness of sanitation issues, responsible water use, and the operation of the wastewater management system.

103. The event was attended by representatives of the Balykchy Mayor’s Office, including the Chief Specialist of the Economic Development Department, M. Maratov, the Director of the Municipal Enterprise “Vodokanal”, E. Shaktybekov, and PMO representatives, including the Director, S. Omurkanov, and the Gender and Institutional Development Specialist, R. Suranchieva. Their participation ensured institutional support and emphasized the importance of the issues discussed at the city level. Journalists from Ysyk-Kul TV were also invited to the event and prepared a news report featuring the PMO Director and Specialist.

104. Interactive activities were conducted in Karakol, including street performances organized by the School of Acting, dedicated to 1 June – Children’s Day – at the central park venue. The event helped raise public awareness of key issues related to water supply and wastewater management. A competition among students for the best technical solutions aimed at water conservation was also organized and conducted within the framework of the Issyk-Kul Wastewater Management Project. Students from local educational institutions participated in the competition and presented innovative ideas focused on the efficient use of water resources, their treatment, and conservation. The results of the competition will be announced during the final city event.

105. A blitz quiz night dedicated to IWMP, sanitation, and hygiene was organized and conducted in three cafés in the city. The event involved café owners and other entrepreneurs, as well as visitors of different ages and social backgrounds. The quiz included questions related to wastewater treatment facilities, water resources, water

conservation, environmental awareness, and the Project. The activity served not only as an engaging event for participants but also as an educational initiative to raise awareness of important environmental and sanitation issues. The most active participants received commemorative gifts.

106. Interactive social media and WhatsApp challenges were conducted in Karakol and Balykchy to increase public awareness and encourage community engagement on sanitation and water resources management issues. The campaign was promoted through social media, including the Karakol Today Instagram platform. All activities were implemented with the support of the Mayor's Offices of Karakol and Balykchy, PMO, ME "Vodokanal", the municipal Departments of Education, and local blogger Aisuluu Kadyrberdieva.

107. As part of the implementation of the Project's communication strategy, Abiyr El Public Association placed particular emphasis on strengthening the practical skills and capacity of the PIU CLO in Karakol. The PIU CLO actively participated in all major information campaign activities, including community information meetings, seminars and training sessions, an educational quest game for schoolchildren, and public awareness activities delivered through digital communication channels.

108. During the reporting period, PIU CLO in Karakol actively participated in the preparation and implementation of the Project's information campaign. This included information and consultation meetings with residents of Geolog village interactive public awareness activities, youth engagement events, environmental campaigns, and public outreach through social media platforms. The Specialist was also actively involved in coordinating with the mass media and in organizing the street performance "Mission: Clean Sewerage." Participation in these key information campaign activities enabled the PIU CLO to strengthen practical skills in strategic communications, community and stakeholder engagement, media relations, and the use of digital communication platforms. It also enhanced the Specialist's capacity to independently plan and implement future public awareness and outreach activities under the Project.

109. During the implementation of the information campaign, the PIU CLO in Karakol was actively involved in the following activities: supporting the preparation and facilitation of community information meetings; moderating and administering WhatsApp groups established to inform local residents, including those in Geolog village; regularly updating odour monitoring results and sharing them with the Contractor, PMO, and residents of Geolog village; disseminating information on Project progress, implementation milestones, and planned activities; engaging with local communities and representatives of local self-government authorities; and contributing to the preparation and review of public information materials and communication messages.

110. Hands-on involvement in the implementation of the information campaign enabled the PIU CLO to strengthen practical skills in community communication, timely response to public inquiries, the use of digital communication channels, the preparation of public information materials, and the organization of outreach activities involving diverse target groups.

111. The practical involvement of the PIU CLO in Karakol in implementing the Project's communication strategy strengthened the Specialist's skills in public engagement, community outreach, and the use of digital communication channels to provide residents with regular and accessible information on Project activities.

112. The experience gained contributes to establishing a sustainable model for Project communication with local communities and can be applied throughout the remainder of the Project, as well as in future infrastructure and social development initiatives.

113. As a result, the capacity of the PIU in Karakol to ensure timely public information dissemination and maintain effective engagement with local communities was strengthened, contributing to greater transparency in Project implementation and enhanced trust among stakeholders.

3. GRIEVANCE REDRESS MECHANISM (GRM)

114. A Grievance Redress Mechanism (GRM) was established for timely and proper consideration of applications, complaints and requests from Affected Persons (Aps) regarding land acquisition, compensation and resettlement, environmental and gender issues.

115. The GRM was created at the project preparation stage in accordance with the order of the State Agency for Architecture, Construction and Housing and Communal Services under the Government of the Kyrgyz Republic dated June 21, 2018 No. 219 (SAACHCS) and updated at the project implementation stage in accordance with order No. 153 dated July 2, 2019. An update on the stage of project implementation was carried out based on Order No. 153 (SAACHCS) dated July 2, 2019 and on Order No. 145 of the State Agency for Water Resources (SAWR) under the Government of the Kyrgyz Republic dated July 29, 2020.

116. For the current period, the commission for consideration of complaints and appeals of citizens within the framework of GRM was updated on the basis of Order No. 140 of the former State Agency for Architecture, Construction, Housing and Communal Services under the Cabinet of Ministers of the Kyrgyz Republic dated December 31, 2021.

117. Due to frequent changes in the structure of the Government of the Kyrgyz Republic, since the start of IWMP implementation the Executing Agency (EA) – DWSSDD has been transferred between the former State Agency for Water Resources under the Government of the Kyrgyz Republic (SAWR), the Ministry of Transport, Architecture, Construction and Communications of the Kyrgyz Republic, and the State Agency for Architecture, Construction, Housing and Communal Services (SAACHCS). At present, it is under the Ministry of Water Resources, Agriculture and Processing Industry of the Kyrgyz Republic, while retaining all its core tasks, functions, and authorities, including those related to the IWMP implementation, and acting as the legal successor. The composition of commissions at the central and local levels, as well as the positions of state and municipal authorities, has remained unchanged. Therefore, taking into account

that the project implementation period will end in late 2026, there is no need to amend the above-mentioned existing SAACHCS order.

118. To assist the applicant(s) in formally presenting their appeals and complaints, GRG appointed Local Focal Points (LFPs), who are easily accessible to affected persons. LFPs are located in Balykchy and Karakol cities.

119. Local Focal Points are:

- In Balykchy: Mr. Kolbai Karasartov; Balykchy PIU Manager, Karalaeva street 58, ME "Vodokanal" managerbalykchy@iwmp.kg, +996 700 503 421
- In Karakol: Ms. O.I. Zavyalova, Project Consultant at Karakol Vodokanal Enterprise, Karakol, Tyupskaya street No. 3 olenka.zavyalova.57@mail.ru, +996 555 040 074 and Isanov S.D., Karakol PIU Community Liaison Officer, clo@iwmp.kg, +996 702 773 802

120. Within the reporting period there were no complaints or appeals regarding Balykchy facilities in January-June 2026.

121. The total number of grievances received by the Project from 2020 to 2025 amounted to 61, including 4 grievances addressed to the ADB office. In their submissions, residents requested information on the timing of resettlement and compensation payments. Within the framework of IWMP, official resettlement and compensation were denied, as households in the Geolog village are not located within the sanitary protection zone (SPZ) of the new wastewater treatment plant (WWTP). Six grievances concerned the resolution of six social issues raised by residents of the Geolog village, including water supply, sewerage, road access, a transformer, a children's playground, and a bus stop.

122. During the reporting period (January–June 2026), a total of four grievances were received in relation to the Karakol subproject. All grievances were submitted by residents of Geolog village and concerned requests for information about the Project. The requested information was provided in a timely manner, and all grievances were resolved and closed.

Table. Grievances in Karakol (January – June 2026)

No	Actions taken in response to grievance s/complaints/suggestions	Date	Venue	Number of participants	F	M	Issues discussed
1	Meeting of PIU Karakol with the residents of Geolog village	26.02. 2026	PIU Karakol		0	3	During the reporting period, Mr. A. Yryskulov, a resident of Geolog village, visited the PIU office in Karakol and submitted a written request addressed to the PMO Director and the Director of the ME "KVK" regarding the water supply system.

							In his request, Mr. Yryskulov noted that, in order to ensure water supply, the planned water pipeline extension did not reach the houses of A. Yryskulov and A. Temishov, and requested that the water pipeline be extended to their properties. KVK informed that, under the Memorandum, the works included replacement of the existing water supply pipeline. The two mentioned houses were not supplied from the respective pipeline (each household has its own water well); therefore, they were not included within the Project scope, and materials for extending the pipeline to these houses were not procured. Based on the above, the residents were advised to arrange water connections to their houses under the standard procedure, namely by obtaining technical specifications from the water utility and carrying out the connection works at their own expense in accordance with the issued technical requirements. On 11 March 2026, KVK's response letter No. 01-5/159 dated 11 March 2026 was forwarded to Mr. Yryskulov and Mr. Temishov via WhatsApp.
2	Meeting with the residents of Geolog village	13.03. 2026	Karakol PIU	3	0	3	A. Yryskulov, a resident of Geolog village, visited the PIU office in Karakol regarding the request to extend the water supply pipeline to his house and the house of A. Temishov. On 13 March 2026, two copies of KVK's response letter No. 01-5/159 dated 11 March 2026 were handed over to Mr. Yryskulov. One copy was intended for Mr. Temishov.
3	Meeting of Karakol PIU with	09.04. 2026	PIU Karakol	4	1	3	Residents of Geolog village, A. Adybaeva and A. Yryskulov, visited the PIU office in Karakol regarding

	the residents of Geolog village						the completed 0.4 kV overhead power line (OHL) works in Geolog village. They stated that the recently installed poles near their houses were insufficient and requested the installation of one additional reinforced concrete pole for each household. The PIU Manager and the CLO met with the applicants in Geolog village and explained that the poles are to be installed at intervals of 35–40 meters. The poles specified in the technical specifications were installed in accordance with the design requirements and construction standards (SNiP), with a spacing of 35–40 meters. The 0.4 kV overhead power lines have been installed along the main streets. Individual connections to each household will be provided by the electricity supply organization, namely the Karakol Regional Electric Network.
4	Meeting of Karakol PIU with the residents of Geolog village	10.04. 2026	PIU Karakol		0	3	Mr. K. Kadyrov, a resident of Geolog village, visited the PIU office in Karakol regarding the installed 0.4 kV overhead power line in Geolog village. He informed that his house is located below the installed reinforced concrete pole and requested the installation of an additional pole. The PMO Manager and the CLO in Karakol informed him that the 0.4 kV overhead power line poles were installed along the main (primary) streets of Geolog village. Individual connections to each household are the responsibility of the electricity supply organization, namely the Karakol Regional Electric Network.

123. Representatives of Geolog village expressed their agreement with the outcomes of the latest public consultations, including the establishment of the SPZ for the WWTP under construction and the sewerage networks, the absence of any resettlement requirements, improvements to social infrastructure under the Project, and the involvement of local residents in the construction of the WWTP.

4. RECOMMENDATIONS AND FURTHER STEPS

124. Based on the needs of the project, the following recommendations are important for ensuring social safeguards:

- i. Ensure the effectiveness of the GRM functioning and the proper participation of local governments in GRM activities - on an ongoing basis;
- ii. Conducting trainings and consultations (including individual ones) on ADB's SPS 2009 and GRM for the interested stakeholders depending on the needs of the project and implementation status.
- iii. Strengthen the information campaign to raise public awareness about the project, sanitation and hygiene, the benefits of connecting to the sewerage system, etc. (especially in Geolog village)

5. ANNEXES.

ANNEX 1. Photos

Balykchy WWTP



Karakol WWTP



Installed sedimentation tank equipment



Transformer



Odor Removal Equipment



Sewerage Receiving Tank Site (50 m³) with Backfilling and Fencing



Manhole cover after rehabilitation

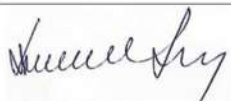
Annex 2. Odor monitoring at Karakol WWTP

Summary Report on Odor Monitoring, conducted by the PIU Karakol CLO for January–June 2026.

Проект «Управление сточными водами Иссык-Куля»
Issyk-Kul Wastewater Management Project

Отчет о результатах измерения запаха на КОС г. Каракол и в п. Геолог /
Report on odor measurement results at the Karakol WWTP and Geolog Village

#	Дата/ Date: (DD/MM/YYYY)	Время/ Time:	Результаты измерения H2S (ч/млн) в контрольных точках (Кт) / H2S (ppm) measurement results in reference points (RP)					п. Геолог/ Geolog village	Расстояние от биопруда №4 до точки с измеренным «0» значением (м)/ Distance to the point with measured "0" value (m)
			У колодца / At the manhole	Кт №1 (у биопруда №4) / RP#1 (by BP#4)	Кт №2 / Reference point #2	Кт №3 / Reference point #3			
1.	5.01.26	13.32	5	0	0	0	0	0	
2.	6.01.26	15.09	5	0	0	0	0	0	
3.	7.01.26	16.10	6	0	0	0	0	0	
4.	8.01.26	17.25	6	0	0	0	0	0	
5.	9.01.26	16.54	6	0	0	0	0	0	
6.	12.01.26	17.17	4	0	0	0	0	0	
7.	13.01.26	16.40	0	0	0	0	0	0	
8.	14.01.26	15.30	0	0	0	0	0	0	
9.	15.01.26	16.00	4	0	0	0	0	0	
10.	16.01.26	15.05	0	0	0	0	0	0	
11.	19.01.26	16.17	7	0	0	0	0	0	
12.	20.01.26	16.30	5	0	0	0	0	0	
13.	21.01.26	16.07	4	0	0	0	0	0	
14.	22.01.26	16.58	4	0	0	0	0	0	
15.	23.01.26	16.10	0	0	0	0	0	0	
16.	26.01.26	16.17	5	0	0	0	0	0	
17.	27.01.26	15.58	5	0	0	0	0	0	
18.	28.01.26	16.19	4	0	0	0	0	0	
19.	29.01.26	16.55	5	0	0	0	0	0	
20.	30.01.26	8.59	0	0	0	0	0	0	

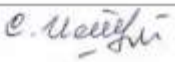
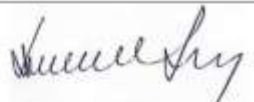
Измерения проведены: Recorded by:	Исанов С.Д., Специалист ОРП г. Каракол по связям с общественностью Isanov Sabyrbek, Community Liaison Officer, Karakol PIO	
Проверил (ОРП): Verified by (PIO):	Джаныбеков А.К., Менеджер ОРП г. Каракол Dzhanybekov A.K., Karakol PIO Manager	



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			У колодца / At the manhole	Кт №1 (у биопруда №4) / RP#1 (by BP#4)	Кт №2 / Referenc e point #2	Кт №3 / Reference point #3	п. Геолог/ Geolog village	
1.	2.02.26	16.39	4	0	0	0	0	
2.	3.02.26	17.29	5	0	0	0	0	
3.	4.02.26	16.11	4	0	0	0	0	
4.	5.02.26	16.49	4	0	0	0	0	
5.	6.02.26	17.10	0	0	0	0	0	
6.	9.02.26	16.39	5	0	0	0	0	
7.	10.02.26	17.16	4	0	0	0	0	
8.	11.02.26	16.27	5	0	0	0	0	
9.	12.02.26	17.09	4	0	0	0	0	
10.	13.02.26	17.38	4	0	0	0	0	
11.	16.02.26	15.55	0	0	0	0	0	
12.	17.02.26	16.00	0	0	0	0	0	
13.	18.02.26	17.08	6	0	0	0	0	
14.	19.02.26	17.05	4	0	0	0	0	
15.	20.02.26	16.22	7	0	0	0	0	
16.	23.02.26	17.36	5	0	0	0	0	
17.	24.02.26	16.26	5	0	0	0	0	
18.	25.02.26	16.38	5	0	0	0	0	
19.	26.02.26	16.19	7	0	0	0	0	
20.	27.02.26	16.08	6	0	0	0	0	

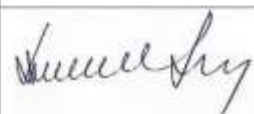
Измерения проведены: Recorded by:	Исанов С.Д., Специалист ОРП г. Каракол по связям с общественностью Isanov Sabyrbek, Community Liaison Officer, Karakol PIO	
Проверил (ОРП): Verified by (PIO):	Джаныбеков А.К., Менеджер ОРП г. Каракол Dzhanybekov A.K., Karakol PIO Manager	



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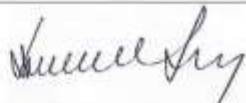
#	Дата/ Date: (DDMM/YYYY)	Время/ Time:	Результаты измерения H2S (ч/млн) в контрольных точках (Кт) / H2S (ppm) measurement results in reference points (RP)					п. Геолог/ Geolog village	Расстояние от биопруда №4 до точки с измеренным «0» значением (м)/ Distance to the point with measured "0" value (m)
			У колодца / At the manhole	Кт. №1 (у биопруда №4) / RP#1 (by BP#4)	Кт. №2 / Referenc e point #2	Кт. №3 / Referenc e point #3			
1.	2.03.26	16.55	4	0	0	0	0	0	
2.	3.03.26	17.31	5	0	0	0	0	0	
3.	4.03.26	16.10	0	0	0	0	0	0	
4.	5.03.26	16.37	6	0	0	0	0	0	
5.	6.03.26	15.38	5	0	0	0	0	0	
6.	9.03.26	17.17	5	0	0	0	0	0	
7.	10.03.26	16.49	4	0	0	0	0	0	
8.	11.03.26	17.17	5	0	0	0	0	0	
9.	12.03.26	17.28	4	0	0	0	0	0	
10.	13.03.26	16.14	5	0	0	0	0	0	
11.	16.03.26	18.52	4	0	0	0	0	0	
12.	17.03.26	16.42	6	0	0	0	0	0	
13.	18.03.26	16.13	4	0	0	0	0	0	
14.	19.03.26	15.46	5	0	0	0	0	0	
15.	20.03.26	15.41	4	0	0	0	0	0	
16.	23.03.26	17.17	4	0	0	0	0	0	
17.	24.03.26	17.52	4	0	0	0	0	0	
18.	25.03.26	16.37	6	0	0	0	0	0	
19.	26.03.26	18.01	6	0	0	0	0	0	
20.	27.03.26	16.18	4	0	0	0	0	0	
21.	30.03.26	16.48	5	0	0	0	0	0	
22.	31.03.26	7.46	4	0	0	0	0	0	

Измерения проведены: Recorded by:	Исанов С.Д., Специалист ОРП г. Каракол по связям с общественностью Isanov Sabyrbek, Community Liaison Officer, Karakol PIO	
Проверил (ОРП): Verified by (PIO):	Джаныбеков А.К., Менеджер ОРП г. Каракол Dzhanybekov A.K., Karakol PIO Manager	

Проект «Управление сточными водами Иссык-Куля»
Issyk-Kul Wastewater Management Project

Отчет о результатах измерения запаха на КОС г. Каракол и в п. Геолог /
Report on odor measurement results at the Karakol WWTP and Geolog Village

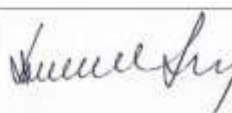
#	Дата/ Date: (DD/MM/YYYY)	Время/ Time:	Результаты измерения H2S (ч/млн) в контрольных точках (Кт) / H2S (ppm) measurement results in reference points (RP)					п. Геолог/ Geolog village	Расстояние от биопруда №4 до точки с измеренным «0» значением (м)/ Distance to the point with measured "0" value (m)
			У колодца / At the manhole	Кт №1 (у биопруда №4) / RP#1 (by BP#4)	Кт №2 / Referenc e point #2	Кт №3 / Referenc e point #3			
1.	1.04.26	16.04	4	0	0	0	0	0	
2.	2.04.26	18.08	5	0	0	0	0	0	
3.	3.04.26	15.53	5	0	0	0	0	0	
4.	6.04.26	18.14	7	0	0	0	0	0	
5.	7.04.26	20.39	12	0	0	0	0	0	
6.	8.04.26	17.21	4	0	0	0	0	0	
7.	9.04.26	17.11	5	0	0	0	0	0	
8.	10.04.26	17.48	5	0	0	0	0	0	
9.	13.04.26	17.51	5	0	0	0	0	0	
10.	14.04.26	18.14	6	0	0	0	0	0	
11.	15.04.26	18.08	6	0	0	0	0	0	
12.	16.04.26	17.03	4	0	0	0	0	0	
13.	17.04.26	16.58	6	0	0	0	0	0	
14.	20.04.26	17.24	5	0	0	0	0	0	
15.	21.04.26	16.40	4	0	0	0	0	0	
16.	22.04.26	17.13	8	0	0	0	0	0	
17.	23.04.26	17.33	4	0	0	0	0	0	
18.	24.04.26	16.04	5	0	0	0	0	0	
19.	27.04.26	17.47	4	0	0	0	0	0	
20.	28.04.26	17.34	9	0	0	0	0	0	
21.	29.04.26	17.54	10	0	0	0	0	0	
22.	30.04.26	8.57	6	0	0	0	0	0	

Измерения проведены: Recorded by:	Исанов С.Д., Специалист ОРП г. Каракол по связям с общественностью Isanov Sabyrbek, Community Liaison Officer, Karakol PIO	
Проверил (ОРП): Verified by (PIO):	Джаныбеков А.К., Менеджер ОРП г. Каракол Dzhanybekov A.K., Karakol PIO Manager	

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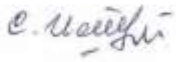
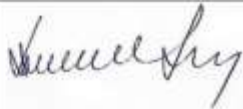
#	Дата/ Date: (DD/MM/YYYY)	Время/ Time:	Результаты измерения H ₂ S (ч/млн) в контрольных точках (Кт) / H ₂ S (ppm) measurement results in reference points (RP)					п. Геолог/ Geolog village	Расстояние от биопруда №4 до точки с измеренным «0» значением (м)/ Distance to the point with measured "0" value (m)
			У колодца / At the manhole	Кт №1 (у биопруда №4) / RP#1 (by BP#4)	Кт №2 / Referenc e point #2	Кт №3 / Referenc e point #3			
1.	11.05.26	17.40	5	0	0	0	0	0	
2.	12.05.26	17.12	8	0	0	0	0	0	
3.	13.05.26	18.20	10	0	0	0	0	0	
4.	14.05.26	20.24	5	0	0	0	0	0	
5.	15.05.26	17.38	5	0	0	0	0	0	
6.	18.05.26	19.04	14	0	0	0	0	0	
7.	19.05.26	12.45	5	0	0	0	0	0	
8.	20.05.26	18.02	7	0	0	0	0	0	
9.	21.05.26	16.07	5	0	0	0	0	0	
10.	22.05.26	16.35	6	0	0	0	0	0	
11.	25.05.26	17.56	7	0	0	0	0	0	
12.	26.05.26	17.02	5	0	0	0	0	0	
13.	27.05.26	15.38	18	0	0	0	0	0	
14.	28.05.26	16.32	10	0	0	0	0	0	
15.	29.05.26	17.45	6	0	0	0	0	0	

Измерения проведены: Recorded by:	Исанов С.Д., Специалист ОРП г. Каракол по связям с общественностью Isanov Sabyrbek, Community Liaison Officer, Karakol PIO	
Проверил (ОРП): Verified by (PIO):	Джаныбеков А.К., Менеджер ОРП г. Каракол Dzhanybekov A.K., Karakol PIO Manager	

Проект «Управление сточными водами Иссык-Куля»
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1.	1.06.26	20.48	13	0	0	0	0	0	
2.	2.06.26	13.13	13	0	0	0	0	0	
3.	3.06.26	17.11	7	0	0	0	0	0	
4.	4.06.26	18.31	4	0	0	0	0	0	
5.	5.06.26	17.05	6	0	0	0	0	0	
6.	8.06.26	17.39	4	0	0	0	0	0	
7.	9.06.26	18.53	4	0	0	0	0	0	
8.	10.06.26	19.03	5	0	0	0	0	0	
9.	11.06.26	16.06	6	0	0	0	0	0	
10.	12.06.26	17.09	7	0	0	0	0	0	
11.	15.06.26	18.42	11	0	0	0	0	0	
12.	16.06.26	16.58	5	0	0	0	0	0	
13.	17.06.26	18.27	5	0	0	0	0	0	
14.	18.06.26	18.19	6	0	0	0	0	0	
15.	19.06.26	17.06	6	0	0	0	0	0	
16.	22.06.26	16.08	7	0	0	0	0	0	
17.	23.06.26	17.54	5	0	0	0	0	0	
18.	24.06.26	17.56	8	0	0	0	0	0	
19.	25.06.26	18.22	9	0	0	0	0	0	
20.	26.06.26	19.00	7	0	0	0	0	0	
21.	29.06.26	17.56	18	0	0	0	0	0	
22.	30.06.26	7.58	8	0	0	0	0	0	

Измерения проведены: Recorded by:	Исанов С.Д., Специалист ОРП г. Каракол по связям с общественностью Isanov Sabymbek, Community Liaison Officer, Karakol PIO	
Проверил (ОРП): Verified by (PIO):	Джаныбеков А.К., Менеджер ОРП г. Каракол Dzhanybekov A.K., Karakol PIO Manager	

Annex 3. Public awareness

1. Public awareness

Methods and format of engagement	Objectives of engagement	Responsible	Frequency	Implementation
It is necessary to inform residents in advance about the planned project activities, its objectives and stages. The following channels will be used for this purpose: • Publications in local media and on official pages of Karakol Mayor's Office; • Announcements on information boards and in public places, as well as the development of information brochures; • Social media and messengers: create groups or mailing lists to maximize residents' outreach.	Create awareness and minimize misunderstandings about upcoming events.	PMO Social Safeguards and Resettlement Specialist, PIU Community Liaison Officer.	Monthly Quarterly	During the reporting period, the CLO continued activities aimed at informing residents about Project activities, objectives, and implementation stages. To ensure timely dissemination of information and maintain feedback mechanisms, the administration of the Geolog village residents' WhatsApp group continued. The group was regularly used to share updates on Project progress and planned activities with local residents.

2. Open public hearings

Methods and format of engagement	Objectives of engagement	Responsible	Frequency	Implementation
Organize public hearings involving all stakeholders (local residents, local administration representatives, environmentalists and project teams). During the hearings participants: • Discuss the project progress, including environmental, technical and social aspects; • Describe the anticipated further project activities.	Ensure the project is transparent and meaningfully incorporates input from the local community	PMO/PIU staff/PF Abiyr El	As needed	In April–May 2026, two information meetings were held with residents of Geolog village. A total of 23 people participated in the events, including 11 women and 12 men. Participants were informed about the construction and modernization of WWTP in Karakol, the environmental and social benefits of connecting to the centralized sewerage system, as well as sanitation and hygiene issues. The active participation of residents and significant representation of women demonstrated a high level of local community interest in the Project and the effectiveness of the gender-responsive approach. In addition, on 1, 6, and 8 April 2026, four consultation meetings were conducted in Balykchy at the premises of the Municipal Enterprise “Vodokanal”, Municipal Enterprise “Tazalyk”, the Issyk-Kul Industrial-Pedagogical College, and the Primary Health Care Center. The total outreach reached 82 participants, including 53 women (64.6%) and 29 men (35.4%). During the meetings, participants were provided with information on the procedures and conditions for connection to the centralized sewerage system, technical and organizational requirements, wastewater system operation rules, as well as measures to prevent blockages and reduce the load on the infrastructure. Participants had the opportunity to ask questions to specialists, discuss existing issues, and receive individual consultations.

				The conducted activities contributed to increasing public and stakeholder awareness, strengthening engagement with local communities, and promoting responsible use of wastewater infrastructure, which is consistent with the objectives of the IWMP information campaign. Links to information materials published on social media platforms: Facebook: https://www.facebook.com/share/p/14h6sVAS3CW/ Facebook: https://www.facebook.com/share/p/19C8VP1K3x/
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3. Surveys and questionnaires

Methods and format of engagement	Objectives of engagement	Responsible	Frequency	Implementation
Conducting surveys and questionnaires among the population will help gather feedback and evaluate the level of public support for the project. It is recommended to: Use online forms and hard questionnaires to reach different population groups;	Collect data for analysis and take into account the opinion of all residents of Geolog village.	PMO Specialists, PIU Community Liaison Officer. PF Abiyir EI	6 months	With the support of Abiyir EI Public Association, offline surveys and questionnaires were conducted among residents of Geolog village, as well as residents of five MTUs (Municipal Territorial Units) of Karakol, in accordance with the Work Plan. During the Focus Group Discussions (FGDs) and interviews conducted based on the developed methodology, questions related to public attitudes towards the Project, as well as residents' concerns and expectations, were included in the research

• Include questions about project, concerns and expectations.				tools. The collected data were analyzed and taken into account in the preparation of the final analysis. Assessment of information needs regarding the Project among residents of Karakol, including residents of Geolog village. The assessment of public information needs was conducted using qualitative methods, including FGDs and semi-structured individual interviews. Participants were selected taking into account age, gender, and social status, which allowed a representative understanding of the opinions and expectations of different population groups. Each focus group included 8–11 participants of different ages, genders, and occupations. Participant recruitment was carried out with the support of local community leaders (heads of Municipal Territorial Units), while venues for the events were provided by municipal institutions. All participants were informed about the principles of voluntary participation and the rules for conducting FGDs. The objective of the study was to identify the level of public awareness and residents' information needs regarding the Project
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				objectives and implementation stages, potential benefits and risks, grievance and feedback mechanisms, as well as attitudes towards resettlement issues. The latter issue has become no longer relevant due to updated calculations of the SPZ for the Karakol WWTP. Data collection was conducted using open-ended questions, allowing respondents to freely express their opinions. Data analysis was carried out using thematic analysis, focusing on recurring themes, emotional responses, and existing information gaps. Based on the findings, analytical materials were developed on public information needs, preferred communication channels, and the research methodology. The results of the study made it possible to determine the level of awareness, attitudes, and potential concerns of Karakol residents regarding the construction of new WWTP. Differences in the perception of the Project among various population groups, including gender-related aspects, were also identified and will be taken into account in further planning of the communication strategy. The collected data will be used to develop an effective communication strategy, refine the information needs of target groups and formats for information delivery, identify barriers and potential areas of resistance,
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				and adapt approaches for engagement with local communities. Overall, the study established a sound basis for building a transparent and trust-based dialogue with residents throughout all stages of Project implementation. The following key thematic areas were identified during the FGDs and individual interviews: 1. Level of awareness of the Project; 2. Perception and attitude towards the Project; 3. Current and preferred information channels; 4. Main information needs; 5. Residents' suggestions and recommendations. Development of the Communication Strategy and Plan (including templates and samples) and Stakeholder Map The Communication Strategy and Plan, including templates and samples, as well as the Stakeholder Map (Report No. 2), were developed and approved by the PMO. The communication objectives are as follows:
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				- To increase public awareness among Karakol residents regarding the objectives, implementation stages, and importance of the Project for the construction of WWTP; - To strengthen trust in the Project through transparency and regular dialogue with residents; - To reduce misinformation and concerns related to Project implementation.
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4. Air monitoring

Methods and format of engagement	Objectives of engagement	Responsible	Frequency	Implementation
The Community Liaison Officer will conduct direct monitoring of odor levels on a weekly basis (during construction of project facilities) using a portable gas analyzer and keep relevant records. Based on the results of air measurements, after coordination with the PMO, PIU and DSC will inform the residents of Geolog village. The measurement data will be added to the semi-annual monitoring reports on social and environmental aspects.	Ensure transparency and public confidence.	PIU Community Liaison Officer.	According to the air monitoring plan.	The CLO conducts odour monitoring in accordance with the Odour Monitoring Plan. The monitoring data are submitted to the PMO and DSC for inclusion in the Semi-Annual Environmental and Social Safeguards Monitoring Reports.

5. Regular reports and community meetings

Methods and format of engagement	Objectives of engagement	Responsible	Frequency	Implementation
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Regular meetings. The PIU Community Liaison Officer is responsible for submitting weekly reports to the PIU detailing community feedback, issues and engagement activities.	Regular meetings allow work issues to be identified and resolved quickly, bypassing lengthy discussions.	PIU Community Liaison Officer. PF Abiyir EI	Weekly (monthly)	Being implemented. Community feedback, inquiries, and engagement activities are recorded in the WhatsApp group “Geologobaza” (17 sections/areas). Representatives of Abiyir EI Public Association hold regular meetings with the PIU CLO in Karakol to coordinate the content of communication materials and activities implemented under the Work Plan. In addition, Abiyir EI specialists visit WWTP site for the purpose of preparing a video report. Conducting Project Consultations and Public Awareness Campaigns During the reporting period, eight consultation and public awareness activities were conducted in accordance with the topics specified in the scope of work (meeting minutes, participant lists, and photo documentation are attached). As a result of these activities, residents’ awareness of the IWMP, sanitation and hygiene issues, and the benefits of connecting to the centralized sewerage system was increased. Participants received practical explanations and answers to relevant questions, which contributed to promoting a more responsible attitude towards wastewater management and environmental protection. The activities were conducted with the participation of the PIU CLO in Karakol, which strengthened coordination and improved the quality of engagement
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				with local communities. Significant support in mobilizing participants and organizing meetings was provided by the Mayor's Office of Karakol. Conducting Project Consultations and Public Awareness Meetings for Residents of Balykchy Four consultation meetings were conducted with residents of Balykchy with the participation of specialists responsible for connections to the centralized sewerage system. During the meetings, participants were provided with information on connection procedures and system operation requirements, and residents' questions were discussed. As the Information, Education and Communication (IEC) materials had not yet been approved by the PMO, draft/sample IEC materials were distributed during the meetings. Participants actively engaged in discussions, asked questions, and provided their suggestions. Information on the activities is available at: https://www.facebook.com/share/1anuNLqKqo/
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6. Grievance redress mechanism

Methods and format of engagement	Objectives of engagement	Responsible	Frequency	Implementation
A grievance redress mechanism is maintained on an ongoing basis. In the event of urgent concerns, the PIU Community Liaison Officer and the	The Grievance Redress Mechanism is established to ensure timely and appropriate handling of applications,	PMO Social Safeguards and Resettlement Specialist, PIU Community Liaison Officer.	As complaints are received	There is GRM within the framework of the project. The former SAACHCS issued an order defining the procedures for reviewing complaints received at the local and central levels. Members of commissions from state and municipal

DSC Engineer will promptly reach out to the community via phone or email. Follow-up actions and proposed solutions will be discussed during the next scheduled meeting. Meeting minutes will be documented and summarized in the semi-annual reports	complaints, and inquiries from residents concerning social, environmental, and gender-related issues			authorities have been appointed. Local Focal Points have been appointed within the framework of the project. The complaints mainly concerned requests for resettlement timelines and compensation payments, as well as personal requests to improve the social infrastructure of Geolog village. As issues related to resettlement and compensation payments were officially excluded, one grievance was submitted regarding the resolution of six social issues raised by residents of the Geolog village.
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Annex 4: Information on work progress of the PF Abiyir EI, according to ToR and plan

Methods and format of interaction	Purpose of interaction	Responsible	Frequency	Implementation
1. Conducting focus group discussions and interviews among all households of Geolog village and other Local territorial administrations /neighborhood committees of Karakol	To identify information needs and preferences regarding communication channels, including women and girls.	Field Coordinator and Head of IC	March - April	Based on the developed survey and questionnaire tools, five focus group discussions and three individual interviews were conducted with representatives of households from Geolog village and other local territorial administrations (LTAs) of the city. Qualitative and quantitative data were identified and defined regarding the current level of awareness about the project, the information needs of the population, and their preferences for communication channels. Key barriers and expectations of the target audience were recorded, which will make it possible to adapt future communication activities to the real needs of the population. Conclusions and preliminary recommendations were formulated based on the analysis of the collected data, including gender aspects and the local context
2. Development of a communication strategy and plan.	Communication strategy and implementation plan, including recommendations on: Information requirements; Communication channels and frequency;	CLO	June	A Communication Strategy and Implementation Plan has been developed, including recommendations on: 1. Information requirements; 2. Communication channels and frequency; 3. Types of communication; 4. Sequence and consistency; 5. Feedback mechanisms; 6. Monitoring and evaluation. The document is being revised in accordance with the comments from the PMO

	Types of communication; Sequence and consistency; Feedback mechanisms; Monitoring and evaluation. This strategy has been delivered as guidance for the CLO			
3. Development of design and content for hard copies of information materials (posters, booklets, and memos))	Develop, publish, and distribute at events at least three types of materials: informational, educational, and communication (IEC): Information in hard copy in Kyrgyz and Russian (e.g., posters, brochures, etc.)	CLO	May	PF is working on the content and design of IEC materials taking into account the results of the assessment of information needs and communication channels of residents, including women and girls, conducted in Geolog village and the LTAs of Karakol
4. Posting publications/posts about the project (at least twice a month) on the social media of PF Abiyir EL	Objective: To ensure regular communication with the population about the progress of	SMM Specialist	6 months	Information coverage on social media pages, links: https://www.facebook.com/share/1P2tMhZCnS/ https://www.instagram.com/abiyir_el?igsh=MTJhdjBnM2wxNXN2aA= Information was distributed through the channels

and in WhatsApp and Telegram groups/channels (including a list of posts with links and view counts)	the Project, its goals, and results through publications on social media and messaging apps; to increase residents' awareness and engagement ; and to strengthen trust in and support for the project within the local community			indicated by the FGDs participants and interviews: WhatsApp groups 'Obshchestvennost Karakola'; Facebook pages 'Issyk-Kul Turmush' and 'Karakol City Mayor's Office'
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FGD at ATL №1



FGD at ATL №7



FGD in Geolog village



Interviewing in the Geolog village



"Управление сточными водами
Иссык-Куля"



Photo from Consultation Meeting No. 1 on April 1, 2026 in Balykchy



Photo from Consultation Meeting No. 2 on April 6, 2026 at ME Tazalyk



Photo from Consultation Meeting No. 3 on April 8, 2026 at IKIPC



Photos from Consultation Meeting No. 4 on April 8, 2026 (Primary Health Care Center)



Photos: Screening No. 1 of the video “Balykchy WWTP” and discussion, Q&A at the IKIPC in Balykchy



Photos of the screening of Video No. 2 at Manas Secondary School



Ecological quest game at the IKIPC





**Karakol, photos of events.
Informational meetings with residents of Geolog village**



Street performance on June 1, 2026



Photos from the Quiz Night at a city café



