

Semi-Annual Environmental Monitoring Report

#18 Semiannual Report

(Reporting Period: July-December 2024)

Loan Number: 3078 - GEO

Project Number: 43405-025

GEORGIA: URBAN SERVICES IMPROVEMENT INVESTMENT PROGRAM (TRANCHE 3)

(FINANCED BY THE ASIAN DEVELOPMENT BANK)

Prepared by: Ketevan Chomakhidze, Environmental Specialist, “United Water Supply Company of Georgia”, Tbilisi, Georgia

For: The Ministry of Regional Development and Infrastructure of Georgia and the Asian Development Bank

Endorsed by: Maka Goderdzishvili, Head, Department of Permits, Environmental Protection and Social Affairs, “United Water Supply Company of Georgia”

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ABBREVIATIONS

ADB	Asian Development Bank
CAP	Corrective Action Plan
DC	Design Consultant
DPPASA	Department of Permits, Environmental protection and Social Affairs
DDR	Due Diligence Report
EA	Executing Agency
EARF	Environmental Assessment and Review Framework
EHS	Environmental Health & Safety
EIA	Environmental Impact Assessment
EIP	Environmental Impact Permit
EMP/ SSEMP	Environmental Management Plan/ Site-Specific Environmental Management Plan
ES/ SES	Environmental Specialist/ Senior Environmental Specialist
GoG	Government of Georgia
GRC	Grievance Redress Committee
GRM	Grievance Redress Mechanism
IPMO	Investment Program Management Office
IA	Implementing Agency
IEE	Initial Environmental Examination
LLC	Limited Liability Company
MFF	Multi-tranche Financing Facility
MoEPA	Ministry of Environment Protection and Agriculture
MoRDI	Ministry of Regional Development & Infrastructure
NEA	National Environmental Agency
PMD	Projects Management Department
SAEMR	Semi-Annual Environmental Monitoring Report
SC	Supervision Consultant
USIIP	Urban Sector Improvement Investment Program
UWSCG	United Water Supply Company of Georgia
VO	Variation Order
WS	Water Supply
WSS	Water Supply & Sewerage
WWTP	Waste Water Treatment Plant

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I. INTRODUCTION

1.1 Preamble

1. This report represents the Semi - Annual Environmental Monitoring Review (SAEMR) for “Urban Services Improvement Investment Program” (USIIP), Tranche 3 and describes the period of July-December 2024.
2. This report is the 18th Semi-annual EMR for the T3 of “Urban Services Improvement Investment Program”.

1.2 Headline Information

During the reporting period, only minor civil works were carried out within the GUD-03 sub-project: “Construction of Four Wastewater Treatment Plants in Gudauri,” which included preparations for the subsequent testing and commissioning phases of the WWTPs. Key activities involved inspecting the air compressors, conducting joint inspections of equipment installations and performing paint repairs.

Other projects of USIIP/Tranche 3 includes:

- Construction of Water Supply and Wastewater Network in Ureki/Phase 3 (URE-01), completed in September 2019;
- Construction of Wastewater Treatment Plant in Ureki (URE-02), completed in June 2018;
- Construction and Rehabilitation of Water Supply System in Kutaisi/Phase 2 (KUT-01), completed in June 2018;
- Construction of New Transmission Pipeline in Abasha (ABA-01), completed in March 2020.

2. PROJECT DESCRIPTION AND CURRENT ACTIVITIES

2.1 Project Description

3. The Urban Services Improvement Investment Program was developed as the Government's response to the lack of adequate and/or safe water supply, sewerage and sanitation in urban areas of Georgia. This is intended to optimize social and economic development in selected urban areas through improved urban water and sanitation services, and is financed by the ADB through its Multi-tranche Financing Facility. The Ministry of Regional Development and Infrastructure is the Executing Agency and the "United Water Supply Company of Georgia", LLC is the Implementing Agency of the Investment Program. UWSCG is a 100% state-owned company.
4. The Investment Program improves infrastructure through the development, design and implementation of a series of subprojects, each providing improvements in a particular sector (water supply and/or sanitation) in one town. Sub-projects rehabilitate existing infrastructure and/or create new and expanded infrastructure to meet the present and future demand. Water supply improvements include source augmentation and head works, pumping systems, treatment facilities, transmission and distribution network; and, sewerage improvement works include sewer network, pumping stations, main collectors and waste water treatment plants.
5. **Tranche 3 of the Investment Program includes:**
 - Construction of Water Supply and Wastewater Network in Ureki/Phase 3 (URE-01);
 - Construction of Wastewater Treatment Plant in Ureki (URE-02);
 - Construction and Rehabilitation of Water Supply System in Kutaisi/Phase 2 (KUT-01);
 - Construction of New Transmission Pipeline in Abasha (ABA-01);
 - Construction of Waste Water Treatment Plants in Gudauri (GUD-03).
6. **¹Construction of Water Supply and Wastewater Network in Ureki/Phase 3 (URE-01).** The project comprised of the construction of 1 water supply pumping station and 31 sewage pumping stations (Shekvetili - 18, Ureki - 13; construction of new reservoirs (2,000 m³ x 3,000 m³ and 1 x 1,200 m³); Distribution network - laying of approximately 70 km water supply pipelines (distribution network will be divided into 3 areas), laying of approximately 70 km sewage pipelines; installation of approximately 1,500 water meters; Wells - drilling of 10 drinking water wells.
7. The Contract was signed with JV of Peri Ltd (Georgia) Leading Partner and Slon LLC (Azerbaijan) on October 28, 2014. Project commencement date was November 24, 2014. Initial Completion date was scheduled on November 22, 2018 but due to changes in the design of project, which include the construction of an Aqueduct across the Natanebi River, the construction of Gabion wall to protect well fields from flooding and erosion, and the construction of an additional deep well N8 along the banks of the Natanebi River, project completion date was extended and completed in September 2019. The project is expected to serve 35,000 tourists and 5,400 local inhabitants by 2040.
8. **The Post Construction Environmental Audit** report under the URE-01 sub-project was prepared by the Supervisory Consultant EPTISA in June 2021 and approved by UWSCG.
9. **Construction of Wastewater Treatment Plant in Ureki (URE-02).** The project comprised of the construction of new Wastewater Treatment Plant with the capacity of 6,570 m³/day.

¹ T1-T3 BAEMRs may have some overlap, due to the financing arrangements of Ure-01 project, which is simultaneously financed by T1, T2 and T3.

10. The contract URE-02 was signed on April 30, 2015 with JV of Ludwig Pfeiffer Hoch-und Tiefbau GmbH and Co.KG ProtechnoSrl (Germany) / Aritim (Turkey), the contract was completed on June 9, 2018.
11. **The Post Construction Environmental Audit** report under the URE-02 sub-project was prepared by the Supervisory Consultant EPTISA in June 2019 and approved by UWSCG.
12. **Construction and Rehabilitation of Water Supply System in Kutaisi/Phase 2 (KUT-01).** The project envisaged construction of Kvitiri 973 m³/h capacity and Mukhrani 660 m³/h capacity pumping stations; Reservoirs - construction of Near East and Mukhrani reservoirs with the capacity of 9,000 m³ (2x4,000+1,000). Distribution network - 332.1 km.
13. United Water Supply Company of Georgia signed a contract with SMK Ulusal Insaat Ve Ticaret A.S. (Turkey) for implementation of KUT-01 project on 22 April 2015. The initial date of completion of the contract was June 8 2018, the contract was extended and completed in July 2020.
14. **The Post Construction Environmental Audit** report under the KU-01 sub-project was prepared by the Supervisory Consultant EPTISA in June 2021 and approved by UWSCG.
15. **Construction of Waste Water Treatment Plants in Gudaure (GUD-03).** The Proposed project envisages construction of 4 Waste Water Treatment Plants with different sizes but using the same technological process:
 - New Gudaure. The new development in the north of Gudaure (ab. 750 m³/day) and Gudaure Heights (350 m³/day);
 - Upper and Central Gudaure: Located at the same site that the old WWTP, near the church (estimated up to 2000 m³/day);
 - Gudaure Downtown. In the head of the big plot of the plateau, down the downtown. (ab. 350 m³/day);
 - Plateau-Lower Gudaure. At the end of the plateau for the new development (ab. 750 m³/day).
16. The contract was signed on June 3, 2019 with "China Nuclear Industry 23 Construction Co." LTD (CNI23). The initial completion date of the GUD-03 subproject was April 2021 and was subsequently extended to December 2024. It should be noted that all activities related to the completion of the GUD-03 subproject after the Loan (number: 3078 - GEO) closing date of March 29, 2024, are financed from the Governments State Budget and are implemented in accordance with ADB SPS 2009.

Exclusion of WWTP N5 from the GUD-03 sub-project

17. Initially, the project included the construction of five WWTPs under the GUD-03 sub-project, each with different sizes but utilizing the same technological process. However, the construction of WWTP No. 5 (in Seturebi village) was officially cancelled following a design modification under contract VO#3. This design change stemmed from a complaint by local resident Ms. Lida Seturidze, whose ancestral land, home to 90-year-old pear trees was initially planned as the location for WWTP No. 5. A public consultation meeting was held on December 27 to address community concerns about the GUD-03 sub-project, including Ms. Seturidze's case, through the Grievance Redress Mechanism (GRM). During the meeting, Ms. Seturidze expressed her concerns and was encouraged to formally register her complaint (see Annex D, Table 1).
18. In response to this meeting and the formal complaint of Ms. Lida Seturidze, the Grievance Redress Committee reviewed Ms. Seturidze's grievance in accordance with GRM Order #196, issued by the UWSCG for addressing complaints related to USIIP projects (see Annex E). After careful consideration, the Committee determined that relocating the WWTP

was not feasible due to project timelines and legal constraints. To prevent potential misuse of complaints, certain work areas were excluded from the project scope, and the decision was made to cancel the construction of WWTP No. 5, leaving the site undisturbed. Please refer to Figure N1 below for location of WWTP#5.

Figure 1. Photos of WWTP 5 Location





19. In December 2023, based on Change Order No. 1 sent to ADB WWTP #5 was excluded from GUD-03 sub-project.

Post-construction Environmental Audit Report, GUD-03

20. The Post-construction Environmental Audit of the GUD-03 sub-project was carried out in December 2024 by the Supervision Consultant EPTISA (please see Annex G). The main findings of the PCEAR is presented in the Table 1 below. It should be noted that all Non-compliances identified during the PCEAR will be fixed in Q1 2025, and the document will be updated accordingly.

Table 1: Non-compliances and observation fixed during the Post-Construction Environmental Audit

	Non-compliance/Obser vation	Required action and term	Responsible person	Note
1	Non-compliance 1: The wastewater collector in the WWTP 2 area did not have a lid	It is necessary to close the collector with appropriate cover/lid within a tight timeframe, Photo N1 <div data-bbox="644 1610 1032 1901" data-label="Image"> </div> Term: 15 February 2025, month (After post construction audit will be adopted)	UWSCG	

	Non-compliance/Observation	Required action and term	Responsible person	Note
2	Non-compliance 2: Hazardous and non-hazardous construction waste mixed together are uncontrollably placed on the territory of the WWTP 3	<p>"Waste Management Code" - Chapter 19 (1) "It is prohibited to mix hazardous waste with other hazardous waste or other wastes, substances or materials". Besides, other requirement of the same law are violated, namely "Requirements for Hazardous Waste Temporary Storage Facilities", Photo N1</p>  <p>Term: 31 January 2025 (After post construction audit will be adopted)</p>	UWSCG	
3	Observation 1: The quadricycle rental company uses several containers as office space. One of these containers is located on a sewage pipe. The container does not have direct contact with the sewage pipe, however, there is a risk of damage to the pipe.	<p>It is necessary in collaboration with the rental company and the local authorities to find an area where the mentioned container will be moved, please see Photo N1</p>  <p>Term: End of February, 2025</p>	UWSCG	
4	Observation 2: Due to the fact that the project post-construction audit was conducted on December 5,	It is necessary to conduct an audit by the supervisory company in the spring to	UWSCG	

	Non-compliance/Observation	Required action and term	Responsible person	Note
	2024, it was impossible to determine the quality level of the site restoration work carried out by the construction contractor.	determine the quality of the restoration work. Term: March, 2025		

21. UWSCG/IPMO will check correction status of the non-compliances revealed during the PCEAR/GUD-03 within the identified deadlines and update the report accordingly.
22. **Construction of New Transmission Line in Abasha (ABA-01).** Within the ABA-01 sub-project the following major works were carried out: approximately 15 km long 500 mm diameter transmission pipeline was installed from headworks to the town of Abasha, chlorination building was constructed and the water meters were installed at the headwork. The Abasha Service Center was built and the SCADA system was installed from the water flow meter chamber to the chlorination room.
23. The contract for implementation of ABA-01 was signed on October 13, 2017 with AS Inshaat-N, LLC (Azerbaijan). Protect was completed in April 2024.

Post-construction Environmental Audit Report, ABA-01

24. The post-construction environmental audit of subproject ABA-01 was conducted in April 2024 and updated in June 2024 based on the progress of corrective actions. All identified non-conformities were resolved by the contractor within the specified time frame. There are no more outstanding issues for ABA-01 sub-project.

2.2 Project Contracts and Management

27. The main agencies involved in the implementation of the EMP are the Ministry of Regional Development and Infrastructure, which is the executive agency of the USIIP, and the "United Water Supply Company of Georgia" LLC, which is the implementing agency of the investment program, the Supervision Consultant (SC), the Construction Company (CC) and, to a lesser extent, the Ministry of Environmental Protection and Agriculture (MoEPA).
28. The Investment Program Management Office (IPMO) under UWSCG, which is the Department of Management of Projects Financed by Donor Organizations, is responsible for the day-to-day management of the project, including the implementation of the EMPs. IPMO has an Environmental Specialist, Ms. Ketevan Chomakhidze who is responsible for managing the environmental aspects of the USIIP. The Deputy head of the department is Mr. Nodar Rostomashvili.
29. The IPMO Environmental Specialist's responsibilities in respect of implementation of the EMP are as follows:
- Approve the Site Specific Environmental Management Plan (SSEMP) before Contractor takes possession of construction site;
 - Monitor implementation of EMP and ensure the environmental safeguards compliance;
 - Review the updated IEE and/or SEMP and send it for clearance to ADB;
 - Ensure that contractors have access to the EMP and IEE report;
 - Finalize SAEMRs (and Final EMRs upon project completion), send it to ADB and address potential ADB's comments until SAEMR disclosure;
 - Review and approve the Corrective Action Plan and provide to ADB for review and comments if any;

- (vii) Participate in public consultations during project implementation;
- (viii) In case of need assist IPMO Social/Resettlement Consultant in resolving process of environmental safeguards related complaints;
- (ix) Assist in organizing trainings for the Contractors in coordination with ADB/RETA consultant;
- (x) Participate in external trainings in environmental management and environmental auditing

- 30.** The SC includes a full time Environmental Specialist Mr. Irakli Legashvili to assist the IPMO oversee day-to-day implementation of EMPs by contractors, including compliance with all government rules and regulations; Support IPMO in the review and endorsement of contractor's SSEMP; Conduct inspections on contractor's implementation of SSEMP and compliance with government rules and regulations; Ensure contractors comply with health and safety requirements per approved SSEMP's Health and Safety Management Plan; Conduct investigations on grievances/complaints, incidents and accidents; Assist IPMO in addressing any grievances in a timely manner as per the GRM; Monitor corrective actions as required in CAPs, and ensure non-compliances are resolved immediately and are not occurring repeatedly; Prepare recommendations for contractors repeated non-compliances on safeguards and EHS requirements; Submit monthly and quarterly environmental monitoring reports to IPMO.
- 31.** The Contractor also appoints a full time Environmental specialist under GUD-03 sub-project Mr. Aleksandre (Sasha) Mchedlishvili to be a senior member of the construction management team based on site for the duration of the contract. Environmental Specialist of contractor is responsible for preparing the Specific Environmental Management Plan (SSEMP) for endorsement by Supervision Consultant and approval by the UWSCG prior to the Contractor taking possession of the construction site; ensuring the SSEMP is implemented effectively throughout the construction period; environmental accidents/incidents including resolution activities; non-compliance notifications issued by the SC; Corrective action plans issued to the SC in response to non-compliance notices; Community relations activities including maintaining complaints register; Routine reporting of SSEMP compliance and community liaison activities; Implement Occupational Health and safety requirements. Implement site clean-up measures after civil works finalization.
- 32.** Department of Permits, Environmental Protection and Social Affairs of UWSCG work together with IPMO on addressing the Environmental Safeguard issues of USIIP. The Head of Department is Ms. Maka Goderdzishvili. DPPASA have divisions of "Permits" and "Environmental Protection and Social Affairs". Ms. Salome Mosidze is the head of Environmental Protection and Social Affairs Division. More detailed description of implementation arrangements; responsibilities and staffing are provided in the Table 2 below.

Table 2: Institutionnel Arrangement, Responsabilités and Staffing

#	Millstones/Actions	Contractor (Environmental Specialist)	Construction Supervision Consultant (Environmental Specialist)	IPMO (Environmental Specialist)	Department of Permits, Environmental Protection and Social Affairs (Environmental Specialist)
1	Environmental planning and management Contractors Environmental Management Plan (site-specific EMP)	Prepare Specific EMP (SEMP) with supplemented Topic Specific EMPs at pre-construction stage based on IEE/EMP Implement SEMF approved by IPMO.	Review and endorse the SEMF; Monitor implementation of SEMF on daily basis; Monitor monthly environmental monitoring reports or results prepared by the Contractor and report to IPMO.	Review and approve the SEMFs; Monitor implementation of EMP and ensure the environmental safeguards compliance.	Work together with IPMO on addressing the environmental non-compliance issues, if any.
2	Changes in design	Provide details of design changes to CSC required to update IEE/EIA, or SEMF; Implement updated SEMF.	Approve the design change to be submitted to IPMO; Make environmental assessment of the change and update the IEE and/or SEMF.	Review the updated IEE and/or SEMF and send it for clearance to ADB	Liaise with CSC in preparing updated IEE and/or SEMF; Upload the approved IEE/SEMF provided by IPMO to UWSCG website for Public Disclosure.
3	Unanticipated impacts	Inform CSC about unanticipated impact and follow the instructions received from IPMO.	Make environmental assessment of the unanticipated impact and update the IEE and/or SEMF	Review the updated IEE and/or SEMF and send it for clearance to ADB	Liaise with CSC in preparing updated IEE and/or SEMF

#	Millstones/Actions	Contractor (Environmental Specialist)	Construction Supervision Consultant (Environmental Specialist)	IPMO (Environmental Specialist)	Department of Permits, Environmental Protection and Social Affairs (Environmental Specialist)
4	Reporting	Prepare monthly environmental monitoring reports and send it to CSC and IPMO	<ol style="list-style-type: none"> 1. Prepare inputs to environmental part of quarterly construction progress reports; 2. Prepare inputs to semi-annual environmental monitoring report (SAEMR) to be submitted to IPMO for further review, comments and improvement. 3. Conduct Post-Construction Final Environmental Audit and prepare final environmental audit report. 	<ol style="list-style-type: none"> 1. Finalize SAEMRs (and Final EMRs upon project completion), send it to ADB and address potential ADB's comments until SAEMR disclosure; 2. Provide ENG and GEO final versions of SAEMRs to be uploaded on UWSCG website. 	Upload the approved reports (ENG and GEO) provided by IPMO to UWSCG website for Public Disclosure
5	Permits and clearances	NA	NA	NA	Obtaining environmental permits and clearances
6	Non-compliances	Prepare a corrective action plan (CAP)	Assist contractor in preparing the CAP.	Review and approve the CAP and provide to ADB for review and comments if any.	
7	Public consultations	Participate in public consultations during project implementation	Organize public consultations: inform people about activities and prepare the record of consultations.	Participate in public consultations during project implementation	UWSCG & IPMO host PCs, CSC will present the topics related to environmental issues

#	Millstones/Actions	Contractor (Environmental Specialist)	Construction Supervision Consultant (Environmental Specialist)	IPMO (Environmental Specialist)	Department of Permits, Environmental Protection and Social Affairs (Environmental Specialist)
8	Grievance Redress Mechanism	Project site Focal person to record environmental grievances in the logbook and follow up with UWSCG established practice for grievance redress	<ol style="list-style-type: none"> 1. Ensure that grievances, if any, are being properly documented and addressed timely and effectively. 2. Assist IPMO to develop consolidated GRM database and consolidation of GRM cases both for ENV and Social safeguards 	In case of need assist IPMO Social/Resettlement Consultant in resolving process of environmental safeguards related complaints; Assist IPMO Social/Resettlement Consultant in GRM database consolidation and data analysis.	UWSCG maintains GRM applicable to all projects. UWSCG will ensure IPMO information on grievances is consolidated into the UWSCG grievances (both - environmental and social) without duplication.
9	Trainings	Attend on-site trainings organized by IPMO and ADB/RETA Consultant	Assist the IPMO in organization of trainings for the Contractors on environmental safeguards requirements.	Organize trainings for the Contractors in coordination with ADB/RETA consultant. Participate in external trainings in environmental management and environmental auditing	Participate in external trainings in environmental management and environmental auditing

33. A list of main organizations involved in the USIIP/T3 and relating to environmental safeguards is presented in Table 3 below.

Table 3: List of Main Organizations under USIIP/T3

Type of project participant	Name of Agency/Company	Environmental Staff	Name and contact details
Lender	Asian Development Bank	Country Environmental Focal	Ninette R. Pajarillaga E-mail: npajarillaga@adb.org
		Safeguards Officer Georgia Resident Mission Asian Development Bank	Nino Nadashvili +995 577 44 09 90 nnadashvili@adb.org
		ADB RETA Environmental Consultant	George Kobaladze +995 599 689834 gkobaladze.consultant@adb.org
Borrower	UWSCG	UWSCG, Department of Permits, Environmental Protection and Social Affairs, Head	Ms. Maka Goderdzishvili Tel: +995 599 229925 E-mail: m.goderdzishvili@water.gov.ge
		UWSCG/IPMO Department of Management of Projects Financed by Donor Organizations, Deputy Head	Mr. Nodar Rostomashvili Tel: +995 597 181111 E-mail: n.rostomashvili@water.gov.ge
Borrower	UWSCG/USIIP/T3	Environmental Specialist	Ms. Ketevan Chomakhidze Tel: +995 577 380309

Type of project participant	Name of Agency/Company	Environmental Staff	Name and contact details
			E-mail: Chomakhidzek@yahoo.com
Supervision Consultant	A Consortium of Consulting Firm led by Eptisa Servicios de Ingenieria S.L. (Spain) in association with SAFEGE (Belgium) and JSC Georgian Water Project (Georgia)	Environmental Specialist:	Mr. Irakli Legashvili Tel: +995 577 177016 E-mail: chem_ira@yahoo.com
Contractor URE-02	JV of Ludwig Pfeiffer Hoch-und Tiefbau GmbH and Co.KG ProtechnoSrl (Germany) / Aritim (Turkey)	Environmental H&S Specialist	Mr.Nikoloz Meparidze Tel: +995 599 346821 E-mail: niko@telenet.ge
Contractor URE-01	JV of Peri Ltd (Georgia) Leading Partner and Slon LLC (Azerbaijan)	Environmental H&S Specialist	Mr. Levan Asabashvili Tel: +995 599 962 693 Email: levani.asabashvili@mail.ru
Contractor KUT-01	SMK Ulusal Insaat Ve Ticaret A.S. (Turkey)	Environmental Specialist	Ms. Natia Babukhadia E-mail: natiiibab@gmail.com Tel: +995 595 150444
		H&S Specialist	Mr. Beso Balanchivadze E-mail: besobal84@gmail.com Tel: +574 188 653

Type of project participant	Name of Agency/Company	Environmental Staff	Name and contact details
Contractor ABA-01	AS Inshaat–N, LLC (Azerbaijan)	Environmental H&S Specialist	Mr. Nodar Usupishvili E-mail n.usupashvili@gmail.com Tel: +995 577 68 16 71
Contractor GUD-03	“China Nuclear Industry 23 Construction Co.” LTD (CNI23)	Environmental H&S Specialist	Mr. Aleksandre (Sasha) Mchedlishvili E-mail alexandermchedlishvili1@gmail.com Tel: +995 574 02 77 33

2.3 Project Activities during Current Reporting Period

34. During the reporting period, construction work was carried out only under sub-project GUD-03 and therefore information only about this sub-project is reflected in this SAEMR. All civil works under other USIIP/T3 sub-projects have already been completed. For more detailed information, please see para 6-16 above.

2.3.1 Project Activities during the Reporting Period

35. Construction progress during the reporting period, under GUD-03 sub-project is presented in the Table 4 below.

Table 4: Progress of Construction Works, July-December 2024, GUD-03

GUD-03	Total	Progress during the previous reporting period (January-June 2024)	Progress during the reporting period (July-December 2024)
Plant and Mandatory Spare Parts Supplied from Abroad	21.70%	55.00%	70.00%
Design	5.06%	98.00%	98.00%
Installation and other Services	73.25%	85.00%	87.00%

GUD-03	Total	Progress during the previous reporting period (January-June 2024)	Progress during the reporting period (July-December 2024)
Totals:	100.00%	79.00%	86.00%

2.4 Description of Any Changes to Project Design

- 36.** In December 2023, Change Order No. 1 was sent to ADB with a proposal to make changes in the GUD-03 sub-project, to exclude WWTP No. 5 from the sub-project. More detailed information is presented in para 17-19 above. There were no changes to project design during reporting period, July-December 2024.

2.5 Description of Any Changes to Agreed Construction methods

- 37.** During the reporting period July-December 2024 there were no changes to agreed construction methods under the GUD-03 sub-project.

3. ENVIRONMENTAL SAFEGUARD ACTIVITIES

3.1 General Description of Environmental Safeguard Activities



38. During the reporting period, a total of 3 site visits were conducted under USIIP, Tranche 3, on 16 July, 18 October, and 24 November 2024, due to weather conditions and the fact that all civil works had already been completed under the tranche, with the exception of the GUD-03 sub-project.
39. Within the period of July-December 2024, ADB's Environmental Safeguard Mission also visited construction sites on 24 October 2024 (Gudauri). A description of the status of monitoring visits, including the dates of site visits, photographs, persons involved in the site visits, and inconsistencies identified during the visits, is shown in Table 5 below. A total of 16 non-compliances were identified during two site visits for the aforementioned sub-project, and 2 non-compliance notices were issued. Additionally, one verbal instruction was given to the construction company by the ES of SC, Mr. Irakli Legashvili, and UWSCG/IPMO, Ms. Kate Chomakhidze.
40. Environmental Monitoring Specialist of Eptisa, Mr. Irakli Legashvili conducted monthly monitoring of project sites under USIIP/T3 and developed Non-compliance Notices (please see Table 5 below).
41. UWSCG/IPMO Environmental Specialist Ms. Kate Chomakhidze monitored the construction work under the GUD-03 sub-project in accordance with IEE/EMPs and SEMP's requirements and other environmental commitments of the contractor. UWSCG/USIIP/ES developed Semi-Annual Environmental Monitoring Reports and submitted to ADB based on the quarterly reports prepared by SC and monitoring results.


3.2 Site Inspections/Audits


42. As it was mentioned above the inspection and monitoring of construction sites under GUD-03 sub-project were conducted by ESs of USIIP and Eptisa. The schedule of Joint inspection carried out under GUD-03 sub-project is provided in the Table 5 below.



Table 5. Summary of Site Inspections/audits



Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
Continuously during reporting period (July-December 2024)	"China Nuclear Industry 23 Construction Co." LTD (CNI23)	Mr. Aleksandre (Sasha) Mchedlishvili Environmental Specialist of contractor	Day to day monitoring of sites Compliance with Environmental and HES requirements	Environmental, Health and Safety issues on construction sites Regular cleaning of the construction site All photo-documentations are presented in Annex A and Annex B of this report.	Weekly Monitoring Checklists	Completed
10 July 2024		Environmental monitoring specialists of SC/EPTISA Mr.Irakli Legashvili	Regular monitoring of construction sites	Discharge Pipeline construction area should be fenced by high visible safety grids and proper warning signs should be installed, please see Photo N1	Non-compliance notice were issued to contractor and corrective actions were required from contractor to immediately improve the situation, under GUD-03 sub-project (Please see Annex B)	Completed end of July 2024, please see Photo N1

Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
				 <p>Organize and clean the site to remove debris and materials that could pose tripping hazards, please see Photo N2</p> 		 <p>Completed, end of July 2024, all construction activities are already finished and all debris and construction materials were removed from the site</p>


Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
				<p>Manage vegetation around the work area to reduce hazards and interference with construction activities.</p> <p>Safety norms during pipeline construction work (works at height) should be respected.</p> <p>Personnel should use complete PPE (including safety belts) to avoid falling and damage</p>		<p>Completed, end of July 2024</p> <p>Completed, end of July 2024</p> <p>Completed, please see Photo N1</p>  <p>Completed, end of July 2024</p>
				<p>Proper information and warning signs should be installed at the bottom on the passing road to avoid damage (e.g. falling rocks) of transport means and people, Please see Photo N3</p>		<p>Completed, end of July 2024</p>

Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
				 <p>Proper barriers and grids for preventing of rock falling should be installed at the bottom on the passing road to avoid damage of transport means and people</p> <p>Proper waste container for household waste should be installed with cover and label</p>		<p>Completed, end of July 2024</p> <p>Completed, end of July 2024</p>
18 October 2024		<p>Environmental monitoring specialists of SC/EPTISA Mr.Irakli Legashvili</p> <p>Ms. Kate Chomakhidze</p>	Regular Monitoring of Sites	<p>WWTP 1</p> <p>Vegetation should be restored at the slopes (as per requirement of site reinstatement)</p>	<p>Non-compliance notice were issued to contractor and corrective actions were required from contractor to</p>	<p>Reinstatement of the WWTP #1 area is Partially completed, backfilling is finalized and the sowing of green grass in on-going The vegetation</p>

Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
		UWSCG/USIIP /Environmental Specialist		<p>Topsoil should be backfilled at the site, please see Photo N1</p> 	<p>immediately improve the situation, under GUD-03 sub-project (Please see Annex B)</p>	<p>restoration process has begun. Please see the attached photos of sowing at WWTP N1.</p> <p>The reinstatement of the WWTP No. 1 territory is partially completed, with backfilling of Topsoil finished. The process of planting vegetation for filling the territory has begun also, starting with the sowing of grass. Please see Photo No. 1 below.</p> 

Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
				<p>WWTP 2</p> <p>Vegetation should be restored at the site and slopes (as per requirement of construction site reinstatement), Please see Photo N2</p>  <p>WWTP 3</p> <p>Vegetation should be restored at the site and slopes (as per requirement of construction site reinstatement)</p> <p>Topsoil should be backfilled at the site, please see Photo N3</p>		<p>The reinstatement of the WWTP No. 2 territory is partially completed, with backfilling finished. The process of planting vegetation for filling the territory has begun also, starting with the sowing of grass. Please see Photo No. 2 below.</p>  <p>The reinstatement of the WWTP No. 3 territory is partially completed. The process of planting vegetation has begun also, starting with the sowing of grass. Please see Photo No. 3 below.</p>

Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
				 <p>WWTP 4</p> <p>Vegetation should be restored at the slopes (as per requirement of construction site reinstatement) and respective planting activities</p> <p>Topsoil should be backfilled at the site, please see Photo N4</p> 		 <p>The reinstatement of the WWTP No. 4 territory is partially completed, with backfilling of Topsoil finished. The process of planting vegetation for filling the territory has begun also, starting with the sowing of grass. Please see Photo No. 4 below.</p> 

Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
24 October 2024		ADB's Environmental Safeguard Mission, Nino Nadashvili, Safeguard Officer, OSFG, Ms. Kate Chomakhidze UWSCG/USIIP /Environmental Specialist	ADB's Environmental Safeguard Mission	<p>Quadricycle's mobile office (located in a container) is positioned too close to the WWTP discharge pipe and should be relocated from the area to prevent potential damage to the facility, please see Photo N1 below</p> 	Verbal instruction was given to contractor to immediately improve the situation.	Not yet completed. Please see also Table N3 above Deadline for improvement is until the end of February 2025

3.3 Issues Tracking (Based on Non-Conformance Notices)

43. During the reporting period, July-December 2024, 16 non-compliances were identified by ESs of SC and UWSCG/IPMO compared to 5 non-compliances identified during the previous reporting period January-June 2024. As a result, during the period July-December 2024, the contractor eliminated 94% of these discrepancies compared to 80% of these discrepancies in January-June 2024.
44. The contractors were promptly informed of any detected non-compliances and were required to implement improvements within the specified deadline. They were also instructed to submit photo materials of the improvements, along with CAPs. The environmental teams from EPTISA and UWSCG/USIIP closely monitored these improvements during subsequent site visits. A summary of all Non-Conformance Notices issued during the reporting period is provided in ANNEX B of this Semi-Annual EMR.
45. A summary of the identified environmental issues under GUD-03 sub-project for July-December 2024 is presented in the table below. There is only one open issues under GUD-03 sub-project during the reporting period.

Table 6: Summary Table GUD-03

Total Number of Issues for Project	16
Issues Opened This Reporting Period	1
Issues Closed This Reporting Period	15
Percentage Closed	94%

46. As it was mentioned above, there is still one open issue under GUD-03 sub-project, maintaining sewerage discharge pipe safety and clean (please see table 5 above, p.26 and).

3.4 Trends

47. Information from the previous semi-annual EMR (January-June 2024) was used to identify trends in environmental protection issues. A summary of issues outstanding during the current reporting period is presented in paragraph 46 above. The percentage of issues still open under the GUD-03 sub-project during the reporting period is 6%. As can be seen from Table 7 - Summary of Identified Trends in Environmental Issues, the total number of non-compliances under USIIP/T3 have been increased from 5 to 16, but the number of still open issues decreased from 20% to 6%.

Table 7: Summary of Identified Trends in Environmental Issues

Semi-Annual EMR No	Total No of Issues	% issues Closed	% issues closed late
January-June 2024	5	80	20%

Semi-Annual EMR No	Total No of Issues	% issues Closed	% issues closed late
July-December 2024	16	94	6%

48. All major Non-Conformances issued to contractor under USIIP/T3 during the reporting period are provided in an Annex B to this report.

3.5 Unanticipated Environmental Impacts or Risks

49. There were no Unanticipated Environmental Impacts during the reporting period under USIIP/T3.

4. RESULTS OF ENVIRONMENTAL MONITORING

4.1. Overview of Monitoring Conducted during Current Period

- 50. During the reporting period Environmental Quality Measurements were not conducted under USIIP/T3 due to the fact that physical/construction activities during the reporting period were very limited, and all activities were carried out in a remote area from local residents.
- 51. Noise and air pollution standards defined by IFC/WHO 1999, are presented in the Table 8 and 9 below.
- 52. Georgian Standards for Noise, Vibration and Air Pollution is presented in the tables 10- 12 below.

Table 8: Noise Level Guidelines

Noise	dB		dB	
	National Regulations		WHO	
Receptor	Daytime 07:00 - 22:00	Nighttime 22:00 - 07:00	Daytime 07:00- 22:00	Nighttime 22:00- 07:00
Residential; institutional; educational	55	45	55	45
Industrial; commercial	70	70	70	70

- 53. Air pollution standards by IFC/WHO 1999, are presented in the Table 9 below.

Table 9: Air pollution Guidelines

Contaminants	IFC/WHO Guideline Value (Limit mg/m ³)
1	2
Inorganic dust	(*IFC does not have a standard for "inorganic dust". Instead IFC applies standards for PM2.5 and PM10). PM10 – 0,02/1 Year 0,05/24 Hour PM2,5-0,01/1 Year 0,025/24 Hour
Carbonic monoxide	n/a

Contaminants	IFC/WHO Guideline Value (Limit mg/m ³)
1	2
Nitrogen dioxide (NO ₂)	0,2/ 1 Hour 0,04/1 Year
Aldehyde	n/a

54. Georgian Standards for noise level is presented in the table 10 below.

Table 10: Georgian Standards for Noise Levels

Purpose/use of area and premises	Allowable limits (A-Weighted Decibels (dBA))		
	L _{day}		23:00 – 08:00 L _{night} , Night
	08:00 - 19:00, Day	Evening 19:00-23:00	
Educational facilities and library halls	35	35	35
Medical facilities/chambers of medical institutions	40	40	40
Living quarters and dormitories	35	30	30
Hospital chambers	35	30	30
Hotel/motel rooms	40	35	35
Trading halls and reception facilities	55	55	55
Restaurant, bar, cafe halls	50	50	50
Theatre/concert halls and sacred premises	30	30	30
Sport halls and pools	55	55	55
Small offices (100m ³) – working rooms and premises without office equipment	40	40	40
Small offices (100m ³) – working rooms and premises without office equipment	40	40	40
Conference halls /meeting rooms	35	35	35
Areas bordering with houses residential, medical establishments, social service, and children's facilities (>6 story buildings)	55	50	45
The areas bordering with hotels, trade, service, sport, and public organizations	60	55	50

Note: in case noise generated by indoor or outdoor sources is impulse or tonal, the limit must be 5dBA less than indicated in the Table.

55. Table 11 shows the threshold values of the major air pollutants as defined by the GEO, IFC and EU legislation.

Table 11: Ambient Air Quality Standards

Parameter	Averaging Period	Limit (µg/m ³)		
		Maximum Permissible Concentration (MPC) in Georgia	IFC Guideline Value	EU Ambient Air Quality Guidelines
Nitrogen Dioxide	30 minutes	200	-	-
	1 Hour	-	200	200
	24 Hours	40	-	-

Parameter	Averaging Period	Limit (µg/m³)		
		Maximum Permissible Concentration (MPC) in Georgia	IFC Guideline Value	EU Ambient Air Quality Guidelines
(NO ₂)	1 Year	-	40	40
Sulphur Dioxide (SO ₂)	10 minutes	-	500	-
	30 minutes	500	-	-
	1 Hour	-	-	350
	24 Hours	50	20	125
Carbon Monoxide (CO)	30 minutes	5,000	-	-
	24 Hours	3,000	-	-
Total Suspended Particulates (TSP) / Dust	24 Hours	150	-	-
	30 minutes	500	-	-
PM10	1 year	40	20	40
	24 hours	50	50	50
PM2.5	1 year	25	10	25
	24 hours	-	25	-
Ozone	8-hour daily max.	120	100	120

56. The Georgian Standards for vibration are designed for human comfort. These are shown in Table 12 below. Note that no standards for building damage exist.

Table 12: Georgian vibration values

Average Geometric Frequencies of Octave Zones (Hz)	Allowable Values X0, Y0, Z0			
	Vibro-acceleration		Vibro-speed	
	m/sec ²	Hz	m/sec 10 ⁻⁴	Hz
2	4.0	72	3.2	76
4	4.5	73	1.8	71
8	5.6	75	1.1	67
16	11.0	81	1.1	67
31.5	22.0	87	1.1	67
63	45.0	93	1.1	67

Note: It is allowable to exceed vibration normative values during daytime by 5 dB during daytime. In this table of inconstant vibrations, a correction for the allowable level values is 10dB, while the absolute values are multiplied by 0.32. The allowable levels of vibration for hospitals and rest houses have to be reduced by 3dB.

4.2 Trends

59. During the reporting period, environmental monitoring for noise, dust, and air pollution was not conducted under USIIP/T3, as all construction activities had been completed, except for the GUD-03 sub-project. For GUD-03, all sensitive receptors are located at a significant distance from local populations. Additionally, all operations were carried out within buildings/WWTPs and in a remote area, well away from local residents.

4.3 Summary of Monitoring Outcomes

60. Due to weather conditions in Gudauri, construction work under the GUD-03 sub-project was limited to the period from July to October 2024. As all sensitive receptors were located

at a significant distance from construction sites, including the local population, no environmental quality measurements for noise, dust, or air pollution were conducted.

4.4 Material Resources Utilisation

4.4.1 Current Period

GUD-03

61. The contractor had provide information on the material resources utilization under the GUD-03 sub-project. The amount of the electricity and water used by the CC/“China Nuclear Industry 23 construction co.” during the reporting period under GUD-03 sub-project is provided in the Table below.

Table 13: Material Resources Utilization under GUD-03 Sub-project, July-December 2024

N	Utilized Resources	Monthly	Measurement
1	Consumption of Water	5	M3
2	Electricity	150	kwt
3	Fuel	120	L

4.4.2 Cumulative Resource Utilisation

62. Cumulative resources utilization of electricity, water and fuel for whole project life is presented in the Table below.

Table 14: Cumulative Resources Utilization under GUD-03 Sub-project

N	Utilized Resources	Monthly	Measurement
July-December 2021			
1	Consumption of Water	60	M3
2	Electricity	22587	kwt
3	Fuel	800	L
January-June 2022			
1	Consumption of Water	70	M3
2	Electricity	23539	kwt
3	Fuel	3917	L
January-June 2022			
1	Consumption of Water	62	M3
2	Electricity	20501	kwt
3	Fuel	1500	L
July-December 2023			
1	Consumption of Water	16	M3

N	Utilized Resources	Monthly	Measurement
2	Electricity	600	kwt
3	Fuel	500	L
January-June 2024			
1	Consumption of Water	10	M3
2	Electricity	300	kwt
3	Fuel	250	L
July-December 2024			
1	Consumption of Water	5	M3
2	Electricity	150	kwt
3	Fuel	120	L
Total (July 2021 – December 2024)			
1	Consumption of Water	261	M3
2	Electricity	83877	kwt
3	Fuel	8087	L

4.5 Waste Management (GUD-03)

4.5.1 Current Period

63. At the construction sites under the GUD-03 sub-project, the waste generated primarily consisted of household waste, construction waste (inert and surplus soil), and hazardous waste. Household waste is predominantly collected in municipal containers, which are serviced by the local cleaning service. Contractors ensure that separate containers for household and hazardous waste are provided at the construction site, with proper labeling.

64. The construction waste generated at the construction site is removed and disposed of in accordance with a formal agreement with the local municipality. The amount of waste generated during the reporting period is detailed in Table 15 below:

Table 15: Amount of Waste Generated under GUD-03 Sub-project, July-December 2024

N	Waste management		Measurement
3	Municipal Waste	4	M ³

GUD-03 sub-project

65. Household waste is collected at the construction sites in the Household Waste containers and transmitted to Municipal waste containers and finally disposed at the Kazbegi landfill.

66. Construction/demolition waste are also disposed according to the agreement with Solid Waste Management Company at the Kazbegi landfill.
67. Hazardous waste is collected at the construction territories in the Hazardous Waste containers and according agreement transmitted to Medical Technology Company for final disposal. HSE specialists of the construction companies is responsible for the waste management under GUD-03 sub-project.

4.5.2 Cumulative Waste Generation

68. During the construction activities mostly waste is producing in result of maintenance of construction equipment, functioning of camp and excavation works. As it was mentioned in para 63 above household waste is collected at the construction sites in the Household Waste containers and transmitted to Municipal waste containers and finally disposed at the Kazbegi landfill, for disposal of hazardous waste the Contractor has signed agreement with "Solid Waste Management Company" Were possible the Contractor use excavated material for filling of embankment.

4.6 Health and Safety

4.6.1 Community Health and Safety

69. No community incidents have been reported under GUD-03 sub-project during the reporting period.

4.6.2 Worker Safety and Health

GUD-03

70. Environmental H&S Manager of GUD-03 sub-project Mr. Aleksandre (Sasha) Mchedlishvili Performed every day monitoring, induction and supervision of ongoing works according to HSE standards and by requirements of ADB/UWSCG/EPTISA and kept H&S incidents/accidents/Near Misses log book.
71. Health & safety and environment issues which were covered during the reporting period are as follows:
- Working on deep and open trenches inside the buildings of WWTPs
 - Working on height and open trenches of sewerage discharge pipe from WWTP N4 to Aragvi River
72. The main non-compliances identified during the reporting period included workers Safety regulations during construction work, in particular safe walkways on open reservoirs inside the buildings/WWTPs to avoid workers falling and being injured in open trenches work at height without protective equipment at Sewerage Discharge Pipe.

4.7 Training

73. On July 10, 2024, a site visit was conducted within the framework of the GUD-03 project in Gudauri. The primary aim of the visit was to assess the construction works of the discharge pipeline and to provide the contractor's team with a detailed training session on Environmental and Social Safeguards. This training was deemed necessary following routine monitoring, which revealed critical non-compliances, particularly concerning the construction of the discharge line.

74. The primary objective of the training session was to address the identified non-compliances and to ensure the contractor's team is thoroughly informed and equipped with the best practices and regulatory requirements pertaining to environmental and social safeguards. The training aimed to enhance the team's understanding and implementation of these safeguards to mitigate any adverse impacts on the environment and the local community.

75. The site visit and training session were attended by:

- **United Water Supply Company of Georgia:** Head of the Department of Permits, Environmental Protection, and Social Affairs
- **EPTISA:** Environmental Expert, Social Safeguards Specialist, Resident Engineer, Assistant Resident Engineer
- **Contractor's Team:** Engineers and Construction Workers, ESHS team

76. The first segment of the visit was dedicated to an intensive training session on environmental safeguards tailored for the engineers and the contractor's team. The training was conducted bilingually in Georgian and English, with translation into Chinese provided by the contractor's team to ensure understanding across all linguistic groups present.

77. The training covered the following topics:

- Excavation Method Statement and Health & Safety (HS) Rules for Construction Workers
- Personal Protective Equipment (PPE) and the Importance of Full Equipment
- Working at Heights
- Waste Management on Site
- Hazardous Waste Management
- Site Organization
- Protecting the Surrounding Environment
- Signage
- Protecting Trees and the Local Population

78. Site Visit and Discussion: Following the training session, a detailed site visit was conducted to examine the construction of the discharge line. The method statement for the construction was thoroughly discussed on-site, with particular attention to the challenges posed by the steep slope. The construction activities on the slope present significant risks to both workers and the surrounding environment and infrastructure.

79. The construction site is situated on a steep slope, which significantly increases the risk of

soil erosion. The loose rocks and soil observed on the slope indicate a lack of adequate erosion control measures.

- 80.** The absence of silt fences, erosion control blankets, or other stabilization methods poses a risk of sediment runoff, which can lead to environmental degradation and impact nearby facilities and water bodies.
- 81.** The use of tires and concrete sections as makeshift barricades was noted. These unconventional barriers may not provide sufficient protection for workers and equipment.
- 82.** The site lacked visible warning signs to inform workers and visitors of the potential hazards associated with the steep slope and ongoing construction activities.
- 83.** Measures to protect the surrounding environment, such as the implementation of buffer zones and protection for local flora and fauna, were not adequately observed.
- 84.** The access paths on the slope were not clearly marked or stabilized, increasing the risk of slips, trips, and falls. Workers navigating these unstable paths are at a higher risk of injury.
- 85.** Regular safety audits and compliance checks should be conducted to ensure adherence to safety protocols and the proper use of PPE. The list of training participants is provided in Annex F of this report.

5. FUNCTIONING OF THE SSEMPs

4.2. SEMP Review

86. The following SSEMPs were prepared by contractor, within the framework of URE-01, URE-02, KUT-01, ABA-01 and GUD-03 projects during the previous reporting periods:

GUD-03

- Location Specific EMP for Construction of Gudauri WWTPs (September 2019). SEMP was updated in June 2024 due to the exclusion of WWTP N5 from GUD-03 sub-project.

URE-01:

- SSEMPs for Ureki Well Fields (May 2016)
- Reservoir#1 (November 2016)
- Water Supply Pumping Station (November 2016)
- Reservoir #2 (Laituri Reservoir) (August 2018);

URE-02:

- SSEMP for Ureki Waste Water Treatment Plant (November 2015)

KUT-01

- SSEMP for Godogani Reservoir (August 2016)
- SSEMP Mukhnari Reservoirs (March 2016)
- SSEMP Aqueduct River Crossing (December 2019)
- SSEMP Partskanakebi Chlorine Station (January 2020)

ABA-01

- SSEMP for Abasha Service Center (February 2020)

87. All SSEMPs under GUD-03, KUT-01, URE-01, URE-02 and ABA-01 projects were prepared by Contractor, endorsed by SC and approved by UWSCG and reviewed/commented by the RETA International Environmental Consultant of ADB under RETA 8663.

6. GOOD PRACTICE AND OPPORTUNITY FOR IMPROVEMENT

4.3. Good Practice

- 88.** During the reporting period, there were continuous interactions between the IPMO, the consultant supervision team, contractors, and the local community to enhance the tracking of actions addressing non-conformances under the GUD-03 sub-project. As a result, household waste and hazardous materials were removed from the WWTP construction areas and disposed of in an appropriate manner.

6.2. Opportunities for Improvement

- 89.** Opportunities for improvement under the GUD-03 sub-project will include the reinstatement of the WWTP construction area, which involves backfilling the topsoil and sowing grass to fully restore the territory.

5. SUMMARY AND RECOMMENDATIONS

7.1 Summary

- 90.** During the reporting period, July-December 2024, a total of 3 site visits were carried out under the GUD-03 sub-project by the Environmental Specialists of SC and UWSCG/USIIP, including ADB's Environmental Safeguard Mission on 24 October 2024. The site visits included monitoring of compliance of construction activities to the IEE/EMP and SEMP requirements under USIIP GUD-03 sub-project. A total 16 non-compliances were revealed compared to 5 non-compliances identified in previous reporting period January-June 2024. It should be noted also that contractor eliminated 94% of these discrepancies.
- 91.** Two Non-Conformance Notices have been issued to the contractor by the environmental specialist of SC and USIIP under GUD-03 sub-project. Corrective Action Plans (please see Annex C) have been implemented by CC in order to reduce environmental impacts of the project.
- 92.** During the reporting period, in December 2024, the Initial Environmental Examination (IEE) for the Improvement of the Wastewater Treatment Plants in Gudauri (GUD-03 sub-project), initially prepared in 2017, was updated to account for the exclusion of WWTP N5 from the scope of the GUD-03 sub-project.

7.2 Recommendations

- 93.** During the reporting period, July-December 2024, the T3 of Investment Program was implemented in accordance with the requirements of ADB - SPS 2009 and the National Legislation.
- 94.** Post Construction Audit Report was prepared under the GUD-03 sub-project in December 2024, by the Supervision Consultant and approved by UWSCG/IPMO Environmental Specialist, which will be updated in Q1 2025 after completion of civil works.
- 95.** More detailed recommendations/next steps for the implementation of T3 during the next reporting period January-June 2025 are provided in the Table 16 below:

Table 16: Recommendations to Address Environmental Issues under GUD-03 Sub-project during the January-June 2025

Recommendations GUD-03 sub-project	
GUD-03	
The quadricycle rental company uses several containers as office space. One of these containers is located on a sewage pipe. The container does not have direct contact with the sewage pipe, however, there is a risk of damage to the pipe.	UWSCG and its local service center will improve the situation by the mid of February 2025 under GUD-03 sub-project.

Recommendations GUD-03 sub-project	
It is necessary in collaboration with the rental company and the local authorities to find an area where the mentioned container will be moved	

ANNEXES

ANNEX A: PROJECT PHOTOS

PROJECT PHOTOS GUD-03

Gudauri Waste Water Treatment Plant N1



Gudauri Waste Water Treatment Plant N2



Gudaori Waste Water Treatment Plant N3



Gudaori Waste Water Treatment Plant N4



Waste Water Discharge Pipe to Aragvi River



ANNEX B: NON-CONFORMANCE NOTICE, 16 JULY 2024 (SITE VISIT 10 JULY 2024)

Non-Compliance Notice 15.07.2024

Project: Urban Services Improvement Investment Program, Georgia Contract No: UWSCG ICB GUD 03 Contractor: China Nuclear Industry 23 Construction Co., Ltd. Reference: Construction of Wastewater Treatment Plants in Gudauri	Non-compliance Notice Gudauri
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This notice is to advise you, the prime Contractor, on the referenced Contract, of the following notice on environmental measures to be implemented **urgently**.

Discharge Pipeline

- Discharge Pipeline construction area should be fenced by high visible safety grids and proper warning signs should be installed
- Organize and clean the site to remove debris and materials that could pose tripping hazards.
- Manage vegetation around the work area to reduce hazards and interference with construction activities.
- Safety norms during pipeline construction work (works at height) should be respected.
- Personnel should use complete PPE (including safety belts) to avoid falling and damage
- Proper information and warning signs should be installed at the bottom on the passing road to avoid damage (e.g. falling rocks) of transport means and people
- Proper barriers and grids for preventing of rock falling should be installed at the bottom on the passing road to avoid damage of transport means and people
- Proper waste container for household waste should be installed with cover and label


Photos



		
All these conditions have to be remedied within seven days (by the 23.07.2024) by the prime Contractor (China Nuclear Industry 23 Construction Co., Ltd)		
Date of site visits 10.07.2024		
Irakli Legashvili EPTISA - Environment		

NON-CONFORMANCE NOTICE, 21 OCTOBER 2024 (SITE VISIT 18 OCTOBER 2024)

Non-Compliance Notice 21.10.2024

Project: Urban Services Improvement Investment Program, Georgia	Non-compliance Notice Gudauri
Contract No: UWSCG-ICB-GUD-03	
Contractor: China Nuclear Industry 23 Construction Co., Ltd	
Reference: Construction of Wastewater Treatment Plants in Gudauri	
This notice is to advise you, the prime Contractor, on the referenced Contract, of the following notice on environmental measures to be implemented urgently .	
WWTP 1 <ul style="list-style-type: none">- Vegetation should be restored at the slopes (as per requirement of construction site reinstatement)- Topsoil should be backfilled at the site	
WWTP 2 <ul style="list-style-type: none">- Vegetation should be restored at the site and slopes (as per requirement of construction site reinstatement)	
WWTP 3 <ul style="list-style-type: none">- Vegetation should be restored at the site and slopes (as per requirement of construction site reinstatement)- Topsoil should be backfilled at the site	
WWTP 4 <ul style="list-style-type: none">- Vegetation should be restored at the slopes (as per requirement of construction site reinstatement) and respective planting activities- Topsoil should be backfilled at the site	
Photos of WWTP 1	
	

Photos of WWTP 2



Photos of WWTP 3



Photos of WWTP 4



All these conditions have to be remedied by the prime Contractor (China Nuclear Industry 23 Construction Co., Ltd)

Date of site visits 18.10.2024

Irakli Legashvili
EPTISA - Environment

ANNEX C: CORRECTIVE ACTION PLAN UNDER GUD-03, WWTP #1, #2, #3 AND #4

Rectification photos of WWTP1:



WWTP1sowing, Restore vegetation
Rectification photos of WWTP2:



WWTP2sowing, Restore vegetation

Rectification photos of WWTP3:



WWTP3sowing, Restore vegetation
Rectification photos of WWTP4:



WWTP4sowing, Restore vegetation

ANNEX D: CANCELTION OF THE WWTP N5 FROM GUD-03 SUB-PROJECT

On December 24, 2019 one complaint was registered as part of the GUD-03 subproject in the Complaints log at the Contractor's camp office (Please see Table 1 below) by Lida Seturidze, who complained about the location of WWTP No. 5 and mentioned that construction is planned on the land of her ancestors where there are also 90-year-old pear trees.

On December 27, 2019 public consultation meeting was held with local population, regarding social issues of GUD-03 sub-project (Construction of WWTPs in Gudauri). The main purpose of the Consultation Meeting was, to provide Local Population with the information about GRM, under the GUD-03 sub-project, it's importance and planned works, to raise their awareness of project activities, safety and sanitation measures as well as educate local population on the importance of sanitation system. After Presentation Lida Seturidze had opportunity to discuss her issue with all the parts of project. After meeting Lida Seturidze got recommendation to register complaint in UWSCG GRM system (please see the filled Complaints Log with Lida Seturidze's case below).

Table 1: COMPLAINTS LOG

Number /ნომერი	Date/Location თარიღი/მდებარეობა	Complainant/ Date of Contact მოსაჩივრე/საკონტაქტო დეტალები	Details of Complaint საჩივრების შინაარსი	Investigation/Mitigation Action პრობლემების შესწავლა/შემარბი ლებელი დონისძიებები	Resolution Status პრობლემის გადაწყვეტის სტატუსი
#1	24.9.2019 village Seturabi WWTP #5 Land #71.62.56.081	Ms. Lida (Giuli) Seturidze +995 579112101 Tedo burduli +995 595102172	The Complainants stated that the land registered by UWSCG for WWTP #5 belongs to them from her ancestors	Under negotiation by UWSCG	Grievance Redress Committee Meeting was held on 20.02.2020 and Grievance Redress Commission Meeting was held on 31.07.2020. Since no agreement could be reached with the applicant, the Commission made a decision to remove part of works envisaged for the Seturebi (Zone 5). UWSCG has submitted change order N1 to cancel construction of WWTP 5 (26 th of December 2023)

Grievance Redress Committee and The Commission meetings were held in order to discuss Lida Seturidzes Complaint. Grievance Redress Commission has decided that it is impossible to relocate the wastewater treatment plant as it was requested by complainant, owing to tight deadlines of Gudauri Wastewater Treatment Plants Construction Project (ADB/GUD-03), and, as it is necessary to conduct different types of pre-design surveys and follow different procedures to obtain permits per the effective legislation of Georgia to relocate the plant, and as there is no legal basis to meet the cash compensation demand of the claimant, and to prevent any abuse of the claimant, the Commission made a decision to remove part of works envisaged for the Seturebi (Zone 5) out of the GUD-03 sub-project/ construction of Wastewater Treatment Plants in Gudauri.

UWSCG has submitted change order N1 to cancel construction of WWTP 5. No works has been commenced on location of WWTP 5. As a result, no construction activities have begun at the planned site for WWTP 5, leaving the land in its original, undisturbed state. The photos of WWTPN5 is provided in the Fog.1 below.

Figure 1. Photos of WWTP 5 Location



ANNEX E: GRM ORDERS #196 AND #431

GRM ORDER #196

United Water Supply Company of Georgia, LLC

Order #196

Tbilisi

On Grievance Redress Mechanism under projects financed by the Asian Development Bank at United Water Supply Company of Georgia, LLC

In accordance with Safeguard Policy Statement developed by the Asian Development Bank in 2009 and Point 8 of Article 8 of the Articles of Association of United Water Supply Company of Georgia, LLC, I hereby

Decree:

1. Three-stage Grievance Redress Mechanism be approved to redress grievances submitted by project affected people (hereinafter the individual concerned) during the implementation of projects financed by the Asian Development Bank.

2. At first stage of grievance redress, an authorized representative of Customers Relations Division/Customers Service Office of local Service Center/Regional Branch of United Water Supply Company of Georgia, LLC, be obliged to familiarize himself/herself with the content of the complaint, to register the complaint in the form approved by Annex #1 of this Order and to submit it to Grievance Redress Committee (hereinafter the Committee), which will consider the submitted complaint within the two weeks period.

3. The Committee envisaged by the Point 2 of the Order be approved with the following composition:

a) Head (Regional Branch Manager/Service Center Director) of respective territorial unit of United Water Supply Company of Georgia, LLC – Committee Chairman;

b) Representative of Projects Management Department of United Water Supply Company of Georgia, LLC – Committee Member;

c) Representative of Environmental Protection and Permits Department of United Water Supply company of Georgia, LLC – Committee Member;

d) Representative of construction company implementing project/subproject – Committee Member;

e) Representative of supervision company of project/subproject – Committee Member;

f) Representative/Commissioner of the respective municipality – Committee Member;

g) Environmental Specialist of the Asian Development Bank Program – Committee Member;

h) Representative of respective territorial unit of United Water Supply Company of Georgia, LLC – Committee Secretary.

4. In case the problem raised in the complaint is not solved within the two weeks periods at the first stage of grievance redress, the individual concern can

address the Committee established by Point 5 of this Order, which will make decision within two weeks period after it receives the complaint approved by Annex #1 of this Order.

5. To promptly and effectively review and solve the complaint of the individual concerned, the Grievance Redress Commission (hereinafter the Commission) be established with the following composition:

a) Director of United Water Supply Company of Georgia, LLC – Commission Chairman;

b) Deputy Director on Technical Issues of United Water Supply Company of Georgia, LLC – Commission Member;

c) Deputy Director on Financial Issues of United Water Supply Company of Georgia, LLC – Commission Member;

d) Deputy Director on Commercial Issues of United Water Supply Company of Georgia, LLC – Commission Member;

e) Head of Legal Department of United Water Supply Company of Georgia, LLC – Commission Member;

f) Head of Environmental Protection and Permits Department of United Water Supply Company of Georgia, LLC – Commission Member;

g) Head of Communications Office of Director's Apparatus of United Water Supply Company of Georgia, LLC – Commission Member;

h) Head of Projects Management Department of United Water Supply Company of Georgia, LLC – Commission Member;

i) Head of Construction Supervision Department of United Water Supply Company of Georgia, LLC – Commission Member;

j) Representative of Environmental Protection and Permits Department of United Water Supply Company of Georgia, LLC – Commission Secretary.

6. Heads of self-governing units be required to define a representative envisaged by the Sub-point "f" of Point 3 of this Order, who is employed in local self-governance in the field of social matters.

7. In case the problem raised in the complaint is not solved within two weeks at the second stage of grievance redress, the individual concerned can address the Permanent Representative of the Asian Development Bank to Georgia at the following address: Tbilisi, #1, G. Tabidze Street, Tel: +995 32 225 06 19.

8. Order #122 dated April 30, 2014, On Grievance Redress Mechanism under projects financed by the Asian Development Bank, of Director of United Water Supply Company of Georgia, LLC, be declared null and void.

9. Records Keeping Office of Administrative Department of the Company be charged with distribution of this Order among the territorial units.

10. The Order take effect upon signature.

GRM ORDER N431

United Water Supply Company of Georgia, LLC

Order №431

Tbilisi 26/11/2021

On Amending Order №196 dated October 30, 2018, of Director of United Water Supply Company of Georgia, LLC, on Grievance Redress Mechanism under the projects funded by the Asian Development Bank at United Water Supply Company of Georgia, LLC

In accordance with Clause 8, Article 8 of the Articles of Association approved by Order №54/N dated March 24, 2017, of Minister of Regional Development and Infrastructure of Georgia on Approving the Articles of Association of United Water Supply Company of Georgia, a Limited Liability Company




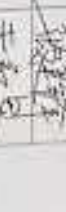







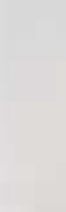
I hereby decree:

1. Order №196 dated October 30, 2018, of Director of United Water Supply Company of Georgia, LLC, on Grievance Redress Mechanism under the projects funded by the Asian Development Bank at United Water Supply Company of Georgia be amended and Clause 5 of the Order be read as follows:
2. "5. To promptly and effectively review and solve the grievance of the individual concerned, the Grievance Redress Commission (hereinafter the Commission) be established with the following composition:

- a) Director of United Water Supply Company of Georgia, Chairperson of the Commission;
- b) Deputy Director of United Water Supply Company of Georgia on Technical Issues, Member of the Commission;
- c) Deputy Director of United Water Supply Company of Georgia on Financial Issues, Member of the Commission;
- d) Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
- e) Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
- f) Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
- g) Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
- h) Head of Legal Department of United Water Supply Company of Georgia, Member of the Commission;
- i) Head of Environmental Protection and Permits Department of United Water Supply Company of Georgia, Member of the Commission;
- j) Head of Donor-Funded Projects Management Department of United Water Supply Company of Georgia, Member of the Commission;
- k) Head of State-Funded Projects Management and Supervision Department of United Water Supply Company of Georgia, Member of the Commission;

- l) Representative of Environmental Protection and Permits Department of United Water Supply Company of Georgia, the Commission Secretary".

ANNEX F: LIST OF THE TRAINING ATTENDANTS, 10 JULY 2024

 Training for Contractors Team Goudoun 10/07/2024					
N	Participants Name	Company Name	Occupied Position	Occupied Position / Tel. num. / Mail	Signature
	Mr. Alkhalaf	EPTISA	Manager	59 522 5525	
	Mr. Abdelaziz	UNSCG			
	Mr. Abdelaziz	UNSCG	QM	551348447	
	Mr. Abdelaziz	UNSCG		591542840	
	Mr. Abdelaziz	UNSCG	Manager	511 29-31-273	
	Mr. Abdelaziz	UNSCG	PM	591620760	
	Mr. Abdelaziz	UNSCG	Manager	574054599	
	Mr. Abdelaziz	UNSCG	Manager	598-59-59-16	
	Mr. Abdelaziz	EPTISA	ARE	577 336726	
	Mr. Abdelaziz	EPTISA	SEE	57750520	
	Mr. Abdelaziz	EPTISA	MSE	577 137016	

INTERNAL. This information is accessible to ADB Management and staff. It may be shared outside ADB with appropriate permission.

10.4 Sol of male crystallites involved in the USPTO and results, to preliminary experiments is presented in Table 1 below.

Type of project participant	Name of Agency/Company	Environmental Staff	Name and contact details
London	Aspir Development Bank	Country Environmental Pool Safeguards Officer George Resident Mission Aster Development Bank ADB RITA Environmental Consultant	Narete R. Papadimitriou E-mail: narete@agbank.org Nico Hadzichristou +955 200 070442 E-mail: nico@asdb.org
Rome	UNESCO	UNESCO Department of World Environmental Protection and Heritage Andreas Innes UNESCO/PMO Department of Management of Projects Financed by Donor Organizations Geography Specialist	George Karaman +90 534 460434 E-mail: georgekaraman@unesco.org Mrs. Aydin Gokdemir Tel: +90 534 228426 E-mail: aydin.gokdemir@unesco.org Mr. Nader Rostomianchi Tel: +993 357 16111 E-mail: n.rostomianchi@water.gov.ge
	UNESCO/GEPI/TS	Environmental Specialist	Mrs. Katerina Chiknadze Tel: +995 577 280330 E-mail: Katerina.chiknadze@unesco.org
Sustainable Consultant	A Consortium of Consulting Firms led by ERMUS S.A. (based in association with SAF EDC (Belgium) and JCC Georgian Water Project (Georgia))	Environmental Specialist	Mr. Vahag Lajvardiyan Tel: +995 577 177590 E-mail: vahag_lajvardiyan@ermus.com
Contractor (K&E)	Chirba Nuclear Industry JSC Construction Co.?	Environmental H&S Specialist	Mr. Alexander (Sasha) Mikhailovskii E-mail: alexander.mikhailovskii@gmail.com Tel: +995 274 02 77 35

17. On July 31, 2020, the Grievance Review Commission reached a decision regarding the relocation of wastewater treatment plant #5, as requested by the complainant. Due to the current shutdown associated with the Covid-19 Wastewater Treatment Plant

III. PREPARATION AND IMPLEMENTATION OF THE AUDIT PLAN

21. To implement the above task, the company conducted a study of the existing downcaterers, based on which it developed eight questionnaires (checklist), identified the main approaches and together with environmental specialists involved in the project implementation, conducted the visit, construction, renovation work.

25. As required by the ICE Part 575-6 report, the construction contractor was required to: "Prepare the site specific environmental management plan (SEEMP) for on-approval by RC and approved by the Employer (SPM)" prior to the Contractors taking possession of the construction site.

³ http://www.sbf.it/regolazioni/ricerca/area-act/documenti/18195/18195_C2L_voto_10.pdf

³ http://www.who.int/csr/don/2009_05_13_who_wkly_report_2009_05_13/en/

- 4. Director of United Water Supply Company of Georgia, Chairperson of the Commission;
- 5. Deputy President of Atlanta Water Supply Company of Georgia or Technical Director, Member of the Commission;
- 6. Deputy Director of United Water Supply Company of Georgia or Assistant General Manager of the same company;
- 7. Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
- 8. Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
- 9. Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
- 10. Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
- 11. Head of Urban Planning and Urban Water Supply Department of Georgia, Member of the Commission;
- 12. Head of International Relations and External Departments of United Water Supply Company of Georgia, Member of the Commission;
- 13. Head of Finance Affairs, Payroll Management Department of United Water Supply Company of Georgia, Member of the Commission;
- 14. Head of Sales and Service Management and Customer Department of United Water Supply Company of Georgia, Member of the Commission;

33. The Grievance Redress Committee reviewed Ms. Lita Sebastian's complaint as per Order #198, for Grievance Redress Mechanism (please see Annex B) but concluded that relocating the plant was not feasible due to project timelines and legal constraints. To minimize the potential for release of contaminants, they included certain work areas from the project and ultimately decided to banish the construction of WWTP No. 3, leaving the site undisturbed. Photos of sites are provided below:

Fig. 2 shows the behavior of the system

[illegible]

86. The construction of all four WWTPS has been completed and the WWTSP outfalls are turned off (see Figure 3-3).

41. Non-compliance 1: The wastewater collector in the WWTP 2 area did not have a lid (Figures 6 and 7).

Figure 6 and 7: Open-top wastewater collection collector (OWTTP 2)



42. **Recommendation:** It is necessary to close the collector with appropriate coverlid within a tight timeframe.

43. **Non-compliance 2:** Hazardous and non-hazardous construction waste mixed together are uncontrollably placed on the territory of the WWTP 3 (Figures 8 and 9).

Figures 8 and 9: Hazardous and non-hazardous construction waste on the territory of the WWTP 3



25. **Requirement:** "Waste Management Code" - Chapter 19 (1) "It is prohibited to mix hazardous waste with other hazardous waste or other wastes, substances or materials". Besides, other requirement of the same law are stated, namely "Requirements to Hazardous Waste Temporary Storage Facilities".

3.2.2 Central waste water discharge pipeline

Observation 1:

36. The sewage pipe, through which the treated wastewater flows into the Arzpyl River, passes through a dry ravine and crosses the highway. When crossing the highway, the pipe is located underground, and in the rest of the territory it is located on the ground.

37. After the pipe was installed, a quadruple rental station was opened in the buffer zone of the site. The quadruple rental station uses several containers as office space. One of these containers is located on a sewage pipe. The container does not have direct contact with the sewage pipe, however, there is a risk of damage to the pipe (Figures 10 and 11).



38. **Recommendation:** It is necessary in collaboration with the rental company and the local authorities to find an area where the mentioned container will be moved.

Observation 2:

39. Due to the fact that the project post-construction audit was conducted on December 5, 2024, it was impossible to determine the quality level of the site restoration work carried out by the construction contractor.

40. **Recommendation:** It is necessary to conduct an audit by the supervisory company in the spring to determine the quality of the restoration work.

IV. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

41. On December 5, 2024, at the stage of the Post-Construction Environmental Audit within the scope of Project DUE-03 - "Improvement of Fishat Waterworks System Subproject" conducted by "Trio-Spand" LLC, 2 non-compliances and 2 observations were fixed, that require additional study.

42. The construction works have been fully implemented under the project.

43. The responsibility for the identified non-compliances, as well as for the fulfillment of the required additional studies lies with the project owner company.

44. Table 3 summarizes details of the identified non-compliances and observations.

Table 3: non-compliances and observations fixed during the Post-Construction Environmental Audit

#	Non-compliance/Observation	Required action and time	Responsible person	Time
1	Non-compliance 1: The wastewater collector in the WWTP 2 area did not have a lid.	It is necessary to close the collector with appropriate coverlid within a tight timeframe (Photo 5)	UNSCG	
2	Non-compliance 2: Hazardous and non-hazardous construction waste mixed together are uncontrollably placed on the territory of the WWTP 3	"Waste Management Code" - Chapter 19 (1) "It is prohibited to mix hazardous waste with other hazardous waste or other wastes, substances or materials". Besides, other requirement of the same law are stated, namely "Requirements to Hazardous Waste Temporary Storage Facilities", Photo 9)	UNSCG	

				
	Photo: 5 month (After post-construction audit will be started)			
1	Observation 1: The quadruple rental station container used as office space. One of these containers is located on a sewage pipe. The container does not have direct contact with the sewage pipe, however, there is a risk of damage to the pipe.	It is necessary in collaboration with the rental company and the local authorities to find an area where the mentioned container will be moved. Please see Photo 10.	UNSCG	
				
2	Observation 2: Due to the fact that the project post-construction audit was conducted on December 5, 2024, it was impossible to determine the quality level of the site restoration work carried out by the construction contractor.	It is necessary to conduct an audit by the supervisory company in the spring to determine the quality of the restoration work. Photo: February 2025 Photo: March 2025	UNSCG	

45. Once these non-compliances have been corrected, the environmental component of the project can be considered closed.

4.2 Recommendations

46. Depending on the level of non-compliance there is no need to hire a contractor. Rather, UNSCG can develop and implement corrective actions with its own personnel.

ANNEXES:

Annex 1: GUD-03 - "Improvement of Gudauri Wastewater System Subproject",
Post-Construction Environmental Audit Checklist

Required mitigation measures of environmental impact	Measures Implemented				Comment
	yes	partially	no	N/A	
WWTP territory fenced fully	X				The territory of the WWTPs is fully fenced.
Topsoil placed at original location	X				Topsoil was placed at original location
Construction waste and surplus/waste soil removed completely and disposed properly		X			No visible or uncontrolled inert waste was found in either sewer pipes area or the WWTPs location. The area was completely cleaned up. Uncontrolled waste, including hazardous waste, was placed only in WWTP 3 area.
Hazardous waste removed and disposed properly		X			The presence of hazardous waste was not observed in other areas of the project site.
Fuels and lubricants spills eliminated	X				Hazardous waste was placed uncontrolled in the building on the WWTP 3 territory.
Contractor equipment and machinery removed	X				Construction equipment was completely removed from the project area.
All temporary facilities removed and cleaned up	X				Temporary equipment was completely removed from the project area.
Streets with installed network reinstated to pre-construction or better conditions				X	Due to the fact that the project post-construction audit was conducted on December 5, 2024, it was impossible to determine the quality level of the site restoration work carried out by the construction contractor.