# Semi-Annual Environmental Monitoring Report

# #19 Semiannual Report

(Reporting Period: January-June 2025)

Loan Number: 3078 - GEO Project Number: 43405-025

GEORGIA: URBAN SERVICES IMPROVEMENT INVESTMENT PROGRAM (TRANCHE 3)

(FINANCED BY THE ASIAN DEVELOPMENT BANK)

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For: The Ministry of Regional Development and Infrastructure of Georgia

and the Asian Development Bank

July 2025

## **ABBREVIATIONS**

ADB	Asian Development Bank
CAP	Corrective Action Plan
DC	Design Consultant
DPPASA	Department of Permits, Environmental protection and Social Affairs
DMPFDO	Depertment of Management of Projects Financed by Donor Organizations
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

# **Contents**

I.	intro	oduction	4
	1.1 Prea	amble	2
	1.2 Hea	adline Information	2
2.	PROJEC	T DESCRIPTION AND CURRENT ACTIVITIES	5
	2.1 Proj	ject Description	5
	2.2	Project Contracts and Management	10
	2.3 Pro	ject Activities during Current Reporting Period	17
	2.3.1	1 Project Activities during the Reporting Period	17
	2.4 Des	scription of Any Changes to Project Design	18
	2.5 Des	scription of Any Changes to Agreed Construction methods	18
3.	Environ	mental Safeguard activities	19
	3.1 Gen	neral Description of Environmental Safeguard Activities	19
	3.2 Site	Inspections/Audits	19
	3.3 Issu	ues Tracking (Based on Non-Conformance Notices)	25
	3.4 Trei	nds	25
	3.5 Una	anticipated Environmental Impacts or Risks	26
4.	results	of environmental monitoring	27
	4.1.	Overview of Monitoring Conducted during Current Period	27
	4.2	Trends	29
	4.3	Summary of Monitoring Outcomes	29
	4.4	Material Resources Utilisation	29
	4.4.1	1 Current Period	29
	4.4.2	2 Cumulative Resource Utilisation	30
	4.5	Waste Management (GUD-03)	31
	4.6	Health and Safety	32
	4.6.1	1 Community Health and Safety	32
	4.6.2	2 Worker Safety and Health	32
	4.7	Training	32
5.	func	tioning of the SEMP	33
	5.1.	SEMP Review	33
6.	good	d practice and opportunity for improvement	34
	6.1.	Good Practice	34
	6.2. Op	portunities for Improvement	34
7.	sumi	mary and recommendations	35
	7.1	Summary	35
	7.2	Recommendations	35

## I. INTRODUCTION

#### 1.1 Preamble

- This report represents the Semi Annual Environmental Monitoring Review (SAEMR) for "Urban Services Improvement Investment Program" (USIIP), Tranche 3 and describes the period of January-June 2025.
- 2. This report is the 19<sup>th</sup> Semi-annual EMR for the T3 of "Urban Services Improvement Investment Program".

#### 1.2 Headline Information

3. During the reporting period, no civil works were undertaken under the USIIP/T3. However, internal housekeeping activities were carried out under the GUD-03 (Construction of four Waste Water Treatment Plants in Gudauri and the Discharge pipe) sub-project. Key activities conducted between January and June 2025 included electrical and mechanical connections within the WWTP buildings, identification of new defects, and updating the punch list.

### 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.
- Construction of four WWTPs in Gudauri (GUD-03), will be finalized in July 2025.

## 2. PROJECT DESCRIPTION AND CURRENT ACTIVITIES

## 2.1 Project Description

- 4. 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.
- 5. 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.
  - 6. 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).
- 7. 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.
- 8. 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.
- The Post Cosntruction Environmental Audit report under the URE-01 sub-project was prepared by the Supervisory Consultant EPTISA in June 2021 and approved by UWSCG.
- **10. 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 m<sup>3</sup>/day.

<sup>&</sup>lt;sup>1</sup> 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.

- 11. 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.
- **12.** The Post Cosntruction Environmental Audit report under the URE-02 sub-project was prepared by the Supervisory Consultant EPTISA in June 2019 and approved by UWSCG.
- **13.** 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.
- 14. 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 extanded and completed in July 2020.
- **15. The Post Cosntruction Environmental Audit** report under the KU-01 sub-project was prepared by the Supervisory Consultant EPTISA in June 2021 and approved by UWSCG.
- **16. Construction of Waste Water Treatment Plants in Gudauri (GUD-03).** The Proposed project envisages construction of 4 Waste Water Treatment Plants with different sizes but using the same technological process:
  - New Gudauri. The new development in the north of Gudauri (ab. 750 m³/day) and Gudauri Heights (350 m³/day);
  - Upper and Central Gudauri: Located at the same site that the old WWTP, near the church (estimated up to 2000 m³/day);
  - Gudauri Downtown. In the head of the big plot of the plateau, down the downtown. (ab. 350 m³/day);
  - Plateau-Lower Gudauri. At the end of the plateau for the new development (ab. 750 m³/day).
- 17. 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 September 2025. 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

- 18. 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).
- 19. 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



- 20. In December 2023, based on Change Order No. 1 sent to ADB WWTP #5 was excluded from GUD-03 sub-project.
- **21.** Based on this change, the Initial Environmental Examination (IEE) was updated in December 2024 to reflect the exclusion of WWTP No. 5 from the project scope.

## Post-construction Environemntal Audit Report, GUD-03

22. The Post-Construction Environmental Audit (PCEAR) for the GUD-03 sub-project was initially conducted in December 2024 by the Supervision Consultant, EPTISA (see Annex G). A follow-up audit was subsequently carried out by the Environemntal Team of UWSCG/USIIP and Eptisa in May 2025. The main findings of both the initial and follow-up audits — including identified non-compliances and corresponding corrective actions — are summarized in Table 1 below. However, due to the fact that some mechanical and electrical installation works are still ongoing on WWTPs and expected to be completed by September 2025, the PCEAR will be updated in November 2025.

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

Non- compliance/Ob servation	Required action and term	Responsible person	Note
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	UWSCG	Completed, March 2025. The manhole of the sewerage collector is covered with a cast iron lid, Photo N1

	Non- compliance/Ob servation	Required action and term	Responsible person	Note
		Term: 15 February 2025, month (After post construction audit will be adopted)		
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 violated, namely "Requirements for Hazardous Waste Temporary Storage Facilities", Photo N1  Term: 31 January 2025 (After post construction audit will be adopted)	UWSCG	Completed, January 2025. The entire territory has been cleaned; hazardous and non-hazardous waste has been separated and disposed of appropriately in accordance with the Waste Management Code of Georgia, Photo N1
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.	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	UWSCG	Not yet completed. Negotiations with the quadricycle rental company are currently underway, The estimated timeframe is Q3, 2025. Updates will be reflected in the next SEMR

	Non- compliance/Ob servation	Required action and term	Responsible person	Note
		CAPITA		
4	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.	Term: End of February, 2025 It is necessary to conduct an audit by the supervisory company in the spring to determine the quality of the restoration work.  Term: March, 2025	UWSCG	The audit was conducted in May 2025, instead of March 2025 due to the weather condition, by the ES of SC, Irakli Legashvili, and the ES of UWSCG, Kate Chomakhidze. The site restoration works were completed: the entire territory was graveled, and topsoil was backfilled to protect the outer perimeter of the site, with particular attention to the slopes surrounding the WWTP, Photo N1

Non- compliance/Ob servation	Required action and term	Responsible person	Note

- **23.** UWSCG/IPMO will review the non-compliances revealed during the PCEAR/GUD-03 within the idetified deadlines and update the report accordingly.
- 24. Construction of New Transmission Line in Abasha (ABA-01). Within the ABA-01 subproject 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.
- **25.** 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 Environemntal Audit Report, ABA-01

**26.** The post-construction environmental audit of ABA-01 sub-project was conducted in April 2024 and updated in June 2024 based on the progress of corrective actions. There are no outstanding issues for ABA-01 sub-project.

## 2.2 Project Contracts and Management

- 29. The main agencies involved in the implementation of the Environmental Management Plan (EMP) include the Ministry of Infrastructure of Georgia (MoIG), which served as part of the unified Ministry of Regional Development and Infrastructure until its reorganization into two separate ministries in April 2025. MoIG is designated as the executive agency for the USIIP. The "United Water Supply Company of Georgia" LLC acts as the implementing agency for the investment program. Other key stakeholders include the Supervision Consultant (SC), the Construction Company (CC), and, to a lesser extent, the Ministry of Environmental Protection and Agriculture (MoEPA).
- 30. 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.

- **31.** The IPMO Environmental Specialist's responsibilities in respect of implementation of the EMP are as follows:
  - (i) Approve the Site Specific Environmental Management Plan (SSEMP) before Contractor takes possession of construction site;
  - (ii) Monitor implementation of EMP and ensure the environmental safeguards compliance;
  - (iii) Review the updated IEE and/or SEMP and send it for clearance to ADB;
  - (iv) Ensure that contractors have access to the EMP and IEE report;
  - (v) Finalize SAEMRs (and Final EMRs upon project completion), send it to ADB and address potential ADB's comments until SAEMR disclosure;
  - (vi) 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
- 32. 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.
- 33. The Contractor also appoints a full time Environmental specialist under GUD-03 subproject 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 period; effectively throughout the implemented construction 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.
- 34. 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 "Environemntal Protection and Social Affairs". Ms. Salome Mosidze is the head of Environmental Protection and Social Affairs Devision. 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 SEMP approved by IPMO.	Review and endorse the SEMP; Monitor implementation of SEMP on daily basis; Monitor monthly environmental monitoring reports or results prepared by the Contractor and report to IPMO.	Review and approve the SEMPs; Monitor implementation of EMP and ensure the environmental safeguards compliance.	Work together with IPMO on addressing the environmental noncompliance issues, if any.
2	Changes in design	Provide details of design changes to CSC required to update IEE/EIA, or SEMP; Implement updated SEMP.	Approve the design change to be submitted to IPMO; Make environmental assessment of the change and update the IEE and/or SEMP.	Review the updated IEE and/or SEMP and send it for clearance to ADB	Liaise with CSC in preparing updated IEE and/or SEMP; Upload the approved IEE/SEMP 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 SEMP	Review the updated IEE and/or SEMP and send it for clearance to ADB	Liaise with CSC in preparing updated IEE and/or SEMP

#	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	Prepare inputs to environmental part of quarterly construction progress reports;     Prepare inputs to semi-annual environmental monitoring report (SAEMR) to be submitted to IPMO for further review, comments and improvement.     Conduct Post-Construction Final Environmental Audit and prepare final environmental audit report.	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	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

**35.** 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	Name of Agency/Company	Environmental Staff	Name and contact details
participant 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 Ingeniria 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

**36.** During the reporting period, construction works were 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

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

Table 4: Progress of Construction Works, January-June 2025, GUD-03

GUD-03	Total	Progress during the previouse reporting period (July-December 2024)	Progress during the reporting period (January- June 2025)
Plant and Mandatory Spare Parts Supplied from Abroad	21.70%	70.00%	70.00%
Design	5.06%	98.00%	98.00%
Installation and other Services	73.25%	87.00%	87.00%
Totals:	100.00%	86.00%	86.00%

# 2.4 Description of Any Changes to Project Design

**38.** During the reporting period from January to June 2025, there were no changes to the project design for the USIIP/T3, including the GUD-03 sub-project.

# 2.5 Description of Any Changes to Agreed Construction methods

**39.** During the reporting period, January-June 2025, 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

- **40.** During the reporting period, two site visits were conducted under USIIP T3. No major construction activities took place, as work on site was stoped due to adverse weather conditions during the winter season. Construction resumed at the end of May 2025, but little progress has been made since then, with only repair works inside the buildings being carried out during this time.
- **41.** 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).
- 42. UWSCG/IPMO Environmental Specialist Ms. Kate Chomakhidze monitored the construction work under the GUD-03 sub-project in accordance with IEE/EMPs and SEMPs 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

**43.** 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
Continuousl y during reporting period (January- June 2025)	"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
30 June 2025		Environmental Specialist of Eptisa, Mr.Irakli Legashvili  Environmental Specialist of UWSCG/USIIP, Ms.Kate Chomakhidze	Monthly monitoring of construction sites	The construction site is not properly secured, as the gate is unlocked and left open, allowing uncontrolled access by animals such as dogs and livestock, Photo N1	Verbal instruction was given to contractor to immediately improve the situation.	Completed. June 2025, Photo N1

Non-Compliance Notice was issued and is presented in Annex B of this report.  (Photo-documentations are presented in Annex B, non-compliance requires cleaning and removal of solid waste. Hazardous waste must be disposed of in compliance with applicable regulations and safety standards, Photo N2	Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
					the construction site requires cleaning and removal of solid waste. Hazardous waste must be disposed of in compliance with applicable regulations and safety	Non- Compliance Notice was issued and is presented in Annex B of this report.  (Photo- documentations are presented in Annex B, non- compliance	

Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
				Heavy construction equipment that presents a potential risk of fuel-related contamination shall be removed from the site and may only be brought in when strictly necessary Photo N3		Completed. June 2025, Photo N3
				The construction debris must be removed from the		

Date of visit	Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
				site and properly stored Photo N4		Completed. June 2025
				Materials required for the technical equipment of the WWTPs must be properly stored and not kept outdoors, Photo N5		Partially completed, The treatment facility has been relocated from the outer perimeter into the yard, which is enclosed and lockable, please see Photo N4

Sewerage collector may be damaged at any moment by heavy equipment located in close proximity. The area must be urgently cleared, free access to the collector must be ensured, all debris removed, and the container relocated from the site, Photo N6.	Date o visit	f Name of Contractor	Auditors name	Purpose of audit	Summary of any significant findings	Cross reference to Audit report	Implementation progress
					be damaged at any moment by heavy equipment located in close proximity. The area must be urgently cleared, free access to the collector must be ensured, all debris removed, and the container relocated from		by the end of

## 3.3 Issues Tracking (Based on Non-Conformance Notices)

- 44. During the reporting period, January-June 2025, 6 non-compliances were identified by ESs of SC and UWSCG/IPMO compared to 16 non-compliances identified during the previouse reporting period July-December 2024. As a result, during the period January-June 2025, the contractor eliminated 83% of these discrepancies compared to 94% of these discrepancies in July-december 2024.
- 45. 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 photomatreials 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.
- **46.** A summary of the identified environmental issues under GUD-03 sub-project for January-June 2025 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	6
Issues Opened This Reporting Period	1
Issues Closed This Reporting Period	5
Percentage Closed	83%

**47.** 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 relevan photos see table 5, p.24 above).

#### 3.4 Trends

48. Information from the previous semi-annual EMR (July-December 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 17%. 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 decreased from 16 to 6.

**Table 7: Summary of Identified Trends in Environmental Issues** 

Semi-Annual EMR No	Total No of Issues	% issues Closed	% issues closed late
July-December 2024	16	94	6%
January-June 2025	6	83	17%

**49.** 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

**50.** There were no Unanticipated Envrionemntal Impacts During the reporting period under USIIP/T3.

## 4. RESULTS OF ENVIRONMENTAL MONITORING

## 4.1. Overview of Monitoring Conducted during Current Period

- **51.** 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.
- **52.** Noise and air pollution standards defined by IFC/WHO 1999, are presented in the Table 8 and 9 below.
- **53.** Gaorgian Standards for Noise, Vibration and Air Pollution is presented in the tables 10- 12 below.

**Table 8: Noise Level Guidelines** 

Noise	dB		dB		
	National F	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	

**54.** 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/m³))		
1	2		
	(*IFC does not have a standard for "inorganic dust". Instead IFC applies standards for PM2.5 and PM10).		
Inorganic dust	PM10 - 0,02/1 Year		
molgamo daot	0,05/24 Hour		
	PM2,5-0,01/1 Year		
	0,025/24 Hour		
Carbonic monoxide	n/a		
Nitrogen dioxide (NO <sub>2</sub> )	0,2/ 1 Hour		
Tritiogen dioxide (1402)	0,04/1 Year		
Aldehyde	n/a		

55. 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 Decib (dBA))			
	L,	23:00 - 08:00		
	08:00 - 19:00, Day	Evening 19:00- 23:00	L <sub>night</sub> , Night	
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 <sup>3</sup> ) – working rooms and premises without office equipment	40	40	40	
Small offices ( 100m <sup>3</sup> ) – 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 thanindicated in the Table.

**56.** 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** 

			Limit (µg/m³)	
Parameter	Averaging Period	Maximum Per- missible Concen- tration (MPC) in Georgia	IFC Guideline Value	EU Ambient Air Quality Guide- lines
	30 minutes	200	-	-
Nitrogen Dioxide	1 Hour	-	200	200
$(NO_2)$	24 Hours	40	-	-
	1 Year	-	40	40
	10 minutes	-	500	-
Sulphur Dioxide	30 minutes	500	-	-
(SO <sub>2</sub> )	1 Hour	-	-	350
	24 Hours	50	20	125
Carbon Monoxide	30 minutes	5,000	-	-
(CO)	24 Hours	3,000	-	-
Total Suspended Par-	24 Hours	150	-	-
ticulates (TSP) / Dust	30 minutes	500	-	-
	1 year	40	20	40

		Limit (µg/m³)		
Parameter	Averaging Period	Maximum Per- missible Concen- tration (MPC) in Georgia	IFC Guideline Value	EU Ambient Air Quality Guide- lines
PM10	24 hours	50	50	50
DMO E	1 year	25	10	25
PM2.5	24 hours		25	-
Ozone	8-hour daily max.	120	100	120

**57.** 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 <sup>2</sup>	Hz	m/sec 10 <sup>-4</sup>	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 incon-stant 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

**60.** 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**

**61.** Due to weather conditions in Gudauri, construction work under the GUD-03 sub-project was limited to the period from May to June 2025. 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**

**62.** Since no active physical work was carried out during the reporting period, the related resources were not utilized.

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

**63.** Commulative 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-Ju	ıne 2022		
1	Consumption of Water	70	M3	
2	Electricity	23539	kwt	
3	Fuel	3917	L	
	January-Ju	ıne 2022		
1	Consumption of Water	62	M3	
2	Electricity	20501	kwt	
3	Fuel	1500	L	
	July-Decen	nber 2023		
1	Consumption of Water	16	M3	
2	Electricity	600	kwt	
3	Fuel	500	L	
	January-J	une 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	

N	Utilized Resources	Monthly	Measurement
2	Electricity	83877	kwt
3	Fuel	8087	L

## 4.5 Waste Management (GUD-03)

#### 4.5.1 Current Period

- **64.** 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.
- **65.** 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, January-June 2025

N	Waste management		Measurement
3	Municipal Waste	2	$M^3$

#### GUD-03 sub-project

- **66.** 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.
- **67.** Construction/demolition waste are also disposed according to the agreement with Solid Waste Management Company at the Kazbegi landfill.
- **68.** 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

69. 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

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

#### 4.6.2 Worker Safety and Health

#### **GUD-03**

- **71.** Health & safety and environment issues which were covered during the reporting period are as follows:
  - Cleaning works around the the deep and open trenches inside the buldings of WWTPs
- **72.** The main non-compliances idetified 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. There were no training conducted during the reporting period January-June 2025.

## 5. FUNCTIONING OF THE SSEMPS

## 4.2. SEMP Review

**74.** 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<sup>2</sup>.

#### **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 Partskanakanebi Chlorine Station (January 2020)

#### **ABA-01**

- SSEMP for Abasha Service Center (February 2020)

75. 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.

<sup>&</sup>lt;sup>2</sup> The Initial Environmental Examination (IEE) was updated in December 2024 to reflect the exclusion of WWTP No. 5 from the project scope.

## 6. GOOD PRACTICE AND OPPORTUNITY FOR IMPROVEMENT

## 4.3. Good Practice

**76.** 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

77. 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

- 78. During the reporting period, January-June 2025, in a total 2 site visits were carried out under the GUD-03 sub-project by the Environemntal Specialists of SC and UWSCG/USIIP. 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 6 non-compliances were revealed compeared to 16 non-compliances identified in previouse reporting period July-December 2025...
- **79.** One Non-compliance Notice (NCN) was issued to the contractor by the environmental specialist of the Supervision Consultant (SC) and USIIP under the GUD-03 sub-project. The Corrective Action Plans have been implemented by the Construction Contractor (CC) to mitigate the project's environmental impacts of the sub-project.
- **80.** Only one non-compliance remains unresolved: ensuring the safety of the sewerage collector and cleaning the area around the pipe. Negotiations are currently in progress with the Quadrocite rental company to address the identified damage, and the issue is expected to be resolved in the third quarter of 2025.

#### 7.2 Recommendations

- **81.** During the reporting period, January-June 2025, the T3 of Investment Program was implemented in accordance with the requirements of ADB SPS 2009 and the National Legislation.
- 82. Post Construction Environmental Audit Report under the GUD-03 sub-project was prepared in December 2024 and updated in May 2025. PCEAR was prepared by Supervision Consultant and approved by UWSCG/IPMO Environemntal Specialist. The final version of the document will be finalized once the GUD-03 sub-project is completed in September 2025.
- **83.** More detailed recommendations/next steps for the implementation of T3 during the next reporting period July-December 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	Contractor and UWSCG will improve the situation in Q3 2025.	
It is necessary in collaboration with the rental company		

Recommendations GUD-03 sub-project	
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** 





## **Gudauri Waste Water Treatment Plant N3**





**Gudauri Waste Water Treatment Plant N4** 





**Waste Water Discharge Pipe to Aragvi River** 





## **ANNEX B: NON-CONFORMANCE NOTICE, 30 JUNE 2025**

## Non-Compliance Notice, UWSCG

Site Visit: 30 may 2025

Project: Urban Services Improvement Investment Program, Georgia		
Contract No: UWSCG-ICB-GUD-03	Non-compliance	
Contractor: China Nuclear Industry 23 Construction Co., Ltd	Notice	
Reference: Construction of Wastewater Treatment Plants in Gudauri	Gudauri	

This notice is to advice you, the Contractor, on the referenced Contract, of the following notice on environmental measures to be implemented **urgently**.

## NON-COMPLIANCE, WWTPs #1, #2, #3, #4 and Sewerage Collector/Discharge Pipe

- The construction site is not properly secured, as the gate is unlocked and left open, allowing uncontrolled access by animals such as dogs and livestock, Photo N1;
- The internal perimeter of the construction site requires cleaning and removal of solid waste.
   Hazardous waste must be disposed of in compliance with applicable regulations and safety standards, Photo N2;
- Heavy construction equipment that presents a potential risk of fuel-related contamination shall be removed from the site and may only be brought in when strictly necessary Photo N3;
- The construction debris must be removed from the site and properly stored Photo N4;
- Materials required for the technical equipment of the WWTPs must be properly stored and not kept outdoors, Photo N5;
- Sewerage collector may be damaged at any moment by heavy equipment located in close proximity. The area must be urgently cleared, free access to the collector must be ensured, all debris removed, and the container relocated from the site, Photo N6.

#### Photos of GUD-03

Photo N1



Photo N2



## Photo N3



Photo N4



Photo N5



Photo N6



ApAll these conditions have to be remedied Urgently by Contractor and Supervisor

## Date of site visit: 30 May, 2025

Joint Monitoring:

Kate Chomakhidze, Environmental Consultant

UWSCG/USIIP/SDP

Irakli legashvili, Environmental Consultant, EPTISA

## ANNEX D: CANCELATION 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, uder 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 Compliants Log with Lida Seturidze's case below).

**Table 1: COMPLAINTS LOG** 

Number /ნომერ ი	Date/Locatio n თარიღი/მ დებარეო ბა	Complainant/ Date of Contact მოსაჩივრე/საკ ონტაქტო დეტალები	Details of Complaint საჩივრების შინაარსი	Investigation/Miti gation Action პრობლემების შესწავლა/შემარბი ლებელი ღონისპიებები	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 (26th 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

- 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.
- 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;
- 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.
- 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.

- 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.
- 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.
- 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.
- 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 Nº431

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:

- 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:
- "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:
  - Director of United Water Supply Company of Georgia, Chairperson of the Commission;
  - Deputy Director of United Water Supply Company of Georgia on Technical Issues, Member of the Commission;
  - Deputy Director of United Water Supply Company of Georgia on Financial Issues, Member of the Commission;
  - Deputy Director of United Water Supply Company of Georgia, Member of the Commission;
  - 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;
  - 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;
  - 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;
  - Head of State-Funded Projects Management and Supervision Department of United Water Supply Company of Georgia, Member of the Commission;
- Representative of Environmental Protection and Permits Department of United Water Supply Company of Georgia, the Commission Secretary".

## ANNEX F: POST CONSTRUCTION AUDIT REPORT OF GUD-03 SUB-POJECT

#### Post - Construction Environmental Audit Report

Loan Number 3076 - 950 Prainct Number: 43405-015



## Construction of Wastewater Treatment Plants in Gudauri GUD-03

#### ABBREVIATIONS

QUD-03	-	Construction of Westphysic Treatment Transp. P. Dedelat.
Alter		ancon ( severanted suns
CAR		COMMUNICAL POST HOW
DC .		Goolg's Consultant
toetrut.		regulations of Herman, Environmental Protection and Home of Homes,
DUTTOO		Department of Mesagement of Projects Financed by Donor Organications
F4	-	Permitting Agency
EHS		Environmental Health & Eaflery
EM	-	Environmental Imped Assessment
EF	-	Diversitation of the Property
SUENET		Environmental Vacingement Plant Site Specific Environmental Management Plant
Ea		Coving a reprise Supplied of
G-20		Government of Georgia
610		Cricyania Redrass Committee
0.38		Converse Real ess Medica their
	-	Introducting Agency
ITMC:		Prophect Programs Management Office
Literature .		He had Medior biggs are send townshipmin Programs
I-I-		PERSONAL PROPERTY AND PROPERTY.
MEEPA		Ministry of Environment Procedure and Agriculture of Georgia
MUND	-	Minster of Reported Develops and & Arthrest solvers
UWSD9 .		United Water Rupply Company of Georgia
WS	-	Water Gupply
worth	-	World Wart Tragger & Plant

#### December, 2024

#### LINTRODUCTION

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   Program Later-1, (Interpreted Expressions)
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  - these sign in response excessions were compressed only in mission class.

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#### IL PROJECT DESCRIPTION

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   Cas of Albania Water Trade from File In 1 Counter (ISO) 401.

#### 2.4 Brief Sutipropert Description

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- I the project was expenses according to the equipment of veogran for Asian Development Senior Environmental Localistics Prenament CPS 2000.
- 11 The Control too eighed at Jane 9, 2019, with "China hucker Industry 23 Comput. Co., Ltd." (CN23). The original completion data for the GLD-03 sub-project was ad-Co., List. (CH42): The congletal completion data for the CLD-03 suck-project years of the again Accol inclusives from exercises the comparison pass controller in tractic for such the control data of Juan ACCO. Blook the ambient was not completed by the loan closing data, all appropriate tractic to the completion of the CLD-03 sub-project free back and orable clarific Premiertor CCC according to them (0 second will government fixed).

#### I.2 Agencies involved in OLD 62 subproject implementation under USSF, Transfe 5

- 12. The male institutions that are syndroun in materiarisation of the EMF were the Weinfard of Peoples (Overlockness and syndays) parties about the associated for the Custom Weinfard South Course of Objects of Course (Associated Course) and of Course (Associated Course (Overlockness) and the Associated Course (Overlockness).
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- 15 The Commence also appropriate, 5 to how Finance results governing control VIII/SES unique jet Mr. Webscherter (Control University VIII/SES to a univer insorther of the control term control term bears on the first bears of the control Embermental Specialist of controller, was insolved for the property the SEs Specific Embermental Management Plan (DEEMP) for undecember by Expension Controller for opposed by the UMPSCS prote to the Controller and property by the UMPSCS prote to the Controller decode districtly processed in constitution process. (8) Sing antivitative process of districtly processed in controller process. (8) Sing antivitative process of districtly processed in solventure, (8) Sing antivitative process of districtly processed in solventure in the processed in the SES in the
- 10. A bit of main presidents invested in the USEPTS and residue to continue to exegutate appropriate time ( continue).

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- In Describer 2000, Chango Ordonich in was sont to 400 with a proposal to make changes in the GUD C0 sub-project, to accreate WWYTP No. 8 from the sub-project.
- THE LIF HOW MAY NO 2014, WAYS IF NIS Y SHELDESS, WITH A CALLECTLY IS 300 ENGLISH WISS INTERIOR SHOULD BE SHOULD SH

#### BL PREPARATION AND IMPLEMENTATION OF THE AUDIT PLAN

- 20. An deposition of position 2.1 Lancar the GUD-RC subgragers, the implementation Environmental Audit and the preparation of the relevant to the Publication III. Projection of the Consultation in Lecontral Year.
- 21. To implement the above lack, the company conducted is study of the existing documentation, based on which it documents the confidence in the study appearance and logister with a revincement a popular feat or environments a postable to review in the project implementation, concurred the Most Constitution in review retrieval.

#### 1 F. Brusto of Available Documentations

- 22. In order to indepet the environments and unabled and such at the first stace. The Consider's conclude a study of commission described prepared at effected stages or the solveded development.
- 22. Preset estudies increments of deduct river existent adoptions of the reasterness of the Apair Constant of Each, Salescand Public Statement is assignated as project of the an emberograph project or and assistingly be obtain Environmental Assessment (EC) report was propried under the adopting the obtain available of the document was accounted to 2012 and further updated in Recentive 2014, just to the character of the document was accounted to 2012 and further updated in Recentive 2014, just to the character of the ADS was only to write NO controlled a sub-travel fire documents in which a walker or the ADS was once."
- 24. As monthored above, the 186 VIVITY included in the prights peopled, which has been recovered than the project & new IFE was prepared by this WMITP in Elementher 2001, which is non-malable in the 1319 whether?
- 25. An equitor by the IEE Plans CYO-5 report, the construction confractor was required to: Preport the after operation or intercept and plan (DODAP) for enconcernant by PE and approachly the Enginger (PELT) prior to the Confractions having presentation of the confidentials.

#### Table 1: List of Main Organizations under UtoP113

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		ATOR ROTA Edwindertol	George Kohalutas +990 SHI-6800AE
		Consultant	Emil giotomon constattgamore
Sottwee	IWICI	UWSCIL Department of Parents Environmental Procedure and Procedure and Social Affairs, Insued	No. 1980 Goldenstrate Tec. 4980 500 229825 b 4981 or pocked polytogy after por ge
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	UNESOSCIERTA	Specialist	Mr. National Charmathidae Tec. 4995 577 080000 6-mail: Charmathidae Aglantina com
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#### 2.2 Description of Any Changes to Project Design

17 On July 21, 2020, the Grisvance Reviews Commission resolved a section regard relocation of eastewnier trastment plant #5, as requested by the complete and Due to the stringers' braidings associated with the Cudout Wastewater Treatment Plants

- In successor in the mentional contraction contractly prepared the successful for the project of the contract was approved by ADM. The Site Specific Experimental Variagement Flori was applied to 200-200 subproject due to change in the project disagn on 15 houseway, until
- 27. As reprotond to the July-Docember 2020 confirmation interpretational lang appet. As a confirmation with the proton of the confirmation of t
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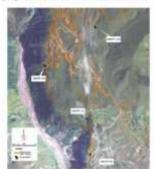
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- (ii) As 4 min mentioned above WWYP MT are seclared from the GUC-GS pay critical, that is the halo resolver's to the breaks, the last breakships is directly registered to Deciminal A 2 2010 (times are aboved to the breakships in complete, efficiely registered to the security of 2 2010 (times are aboved to the breakships in the security and are aboved to the security and are aboved to the security and are aboved to the security and the security of the security and the security complete, and the security complete are also the security and the security complete are also as the security and the
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Pigure 1. Photos or OWITH A Laculture



- Based on the information provided, the Colonidat's prepared the trial environmental quadrantaine of the propert and agreed with the propert Engineering agency on the later of the final property and action.
- 5.1 Post-Ganstraction Environmental Audit
- 10. Vitties the hieracon, of subcritics (NOE-O), the Pro-L-Construction Division would have pro-duction of a Division and the subcritics of the private year. From the Consultant a cities (Modesta and A. Recordovict participated on the south this registerations of signal lancecons on organiza 1.1 Mr. Adelsonifer Code/old McMedalvi-M. publiqueties in the south from the sales of the critical implementing agency.
- St. The presented considers uses produpting taken during out? and stages.
- The suith was concluded at all 4 keyshims where WWTP stations are purpose. The suith man also constrained at the implices artest comagn place were familied.
- of, Price 2 show the sources of the World.



#### 3.2.1 WWTF Localisms

The constructors of all Nor WWTPs has been competed and the WWTP buildings are forced off peer Figure 2-5).



- 45. Several non-compliances were revealed during the audit phase
- 41. Non-compliance 1: The westerwater collector in the WWTP 2 area did not have a list (Pigures 6 and 7).

Figure 6 and 7. Open-top wastewater collection collector (WWTP 2)





- 42. Recommendation: It is removed to close the collector with economic coverfid within a
- Non-compliance 2: Hospitals and non-hospitals construction words must together an uncontrolled solving on the tention of the WWTP 3 (Device 5 and 6).



- Registrerant: "Wasta Microgramm (cod": Charler 19 (1) "It is provided to me reportion
  waste each other hazarders waste or since vasions, substances or responsible."
  In exponented or the darks are all estated, natively "Responsible to Hobardors State
  Temporary Strange Parithers".
- 122 Celtral waste water discharge populse

#### Observation 1

- The exempt state. Drough what the treater wastereater fewer left the Angel River, present treagh a sky ration and crosses the regimes. When consisting the highway, the size is
- 37. After the clase was holiated, a quantificide initial plactor was opposed in the suffer zone of the size. The quantificial treate commany uses provide positioners as offer places. One of these containers is located on a simple place. The containers also shall have direct contain with the powers place. Notework there is a task of braider to the clase of they are 16 and 111.



36. Recommendation. It is recomment in collaboration with the revisal company and the in-

#### Observation 2

- Duar to the fact that the protect post-constructor raciff, wile constructor on Decompany 5, 2004, a way transfer to determine the goality tent of the site restalation which content out to the secondarities content to
- 42. Societamentation: It is remaining to conduct on audit by the apparaisory company in the spring to determine the socially of the restoration ways.

#### IV. CONCLUSIONS AND RECOMMENDATIONS

4.1 Constantions

Continuence 2 2024 of the single of the Post Continuence Evolution restricted Authorithments of Poster OUD-73 - "Represents of Reduct Waterwells Busines Extended Continuence of the Poster Continuence of the Poster

- ALI. The porationalism works have been half-implemented under the project.
- As the requestion to the swellest recommunities, as set as for the laborat or the requested white of states he are the properly white or states as the swellest order.
- 44 Table 3 summature intols of the monitor honoraplenors and manuskins.

#### Table 3: non-compliances and observation tend during the Past-Construction





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#### 4.2 Recommendations

46. Depending on the level of non-compliance there is no need to hire a contrador. Rather, UWSCG 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	M	easures imp	plemen	ted	A SHIPTING
measures of environmental	yes	partially	no	N/A	Comment
WWTP territory fenced fully	×				The territory of the WWTPs is full fenced.
Topsoil placed at original location	×				Topsoli was placed at original location
Construction waste and surplus/waste soil removed completely and disposed properly		x			No visible or uncontrolled iner waste was found in either sewe pipes area or the WWTP- location. The area was completel cleaned up.
					Uncontrolled waste, including hazardous waste, was placed only in WWTP 3 area.
Hazardous waste removed and disposed properly		×			The presence of hazardous wash was not observed in other areas of the project site.
Fuels and lubricants spills eliminated	x				Hazardous waste was place uncontrolled in the building on the WWTP 3 territory.
Contractor equipment and machinery temoved	×				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				×	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.