



# Kara-Suu Water Sub-project – Feasibility Study

TASK 5: Environmental & Social Due Diligence  
- Part 4: E&S Action Plan (Final Report –  
Corrigendum 1)

May 2015

EBRD (Czech Republic ODA TC Fund)

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- Part 4: E&S Action Plan (Final Report –  
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EBRD (Czech Republic ODA TC Fund)

One Exchange Square, London EC2A 2JN, United Kingdom

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## Information Class: Standard

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# 1 Environmental and Social Action Plan Table

No	Action	Environmental Risks / Liability / Benefits	Legislative Requirement / EBRD PR / Best practice	Timetable / Action to be Completed	Investment Needs / Resources	Target and Evaluation Criteria For Successful Implementation	Comments
<b>1</b>	<b>Environmental Management and Appraisal</b>						
1.1	Develop a standardised clause specifying that all contractors must meet the applicable national and international standards for Environmental and Health & Safety (“EHS”) and labour management, and to introduce it into the new contracts for the contractor’s works under the Priority Investment Programme (“PIP”).  The Company to develop the appropriate clauses to be inserted into the contracts; this requirement is to be disclosed to potential contractors in the tender documentation.	Guarantee a unified adoption of international / EU standards by the Company, main contractors, and subcontractors	Kyrgyz laws and regulations EBRD PRs ILO standards	Constantly - for the whole duration of the Bank’s Loan for the Project	Own resources (Company’s employees responsible for procurement issues)  With support from Technical Assistance Consultants (Project Implementation Unit consultants)	Documented evidence of national and international EHS and labour contractual obligations within the concluded contracts	
1.2	Include the requirement to have a Construction Environmental and Social Management Plan into the tender documentation for the provision of services and goods for all contractors, subcontractors, and suppliers under PIP projects. Priority shall be given to the companies with implemented (or pending implementation) of the where EHS management systems are introduced.	Ensure an appropriate level of managing OHS and environmental issues amongst the contractors and suppliers	EBRD PRs ISO 14001 OHSAS 18001 Best practice	For all new contracts under the PIP	Own resources Procurement technical co-operation (“TC”) for the PIP to be provided by the Bank	Contractors’ Construction Environmental and Social Management Plans , Contractors statement in regards to ongoing implementation of EHS systems	
1.3.	The tender documentation must include a provision stipulating that the Contractor must appoint a qualified and trained Environmental and OHS Officer/ Manager, who will be responsible for the EHS issues, EHS reporting to the Company, and implementation of the relevant ESAP actions...	To ensure compliance with Kyrgyz legislation and EBRD PRs. in this Environmental and Social Action Plan (“ESAP”) in relation to implementing components of the PIP.	Kyrgyz laws and regulations EBRD PR 1 and PR 3, Best practice	Requirements to be introduced into the tender documentation  During the construction stage	Own resources for control  Procurement TC (“TC”) for the PIP to be provided by the Bank  Contractor resources	Requirements are included into the tender documentation  Quarterly reports from contractors.	<i>The position could be ensured either internally or via outsourcing</i>
1.4	Undertake regular compliance inspections of the contractors and subcontractors in respect of the requirements for carrying out works within the framework of the PIP.	Includes an appraisal of EHS issues and working conditions of the subcontractors	Kyrgyz laws and regulations EBRD requirements Best practice	Regularly – once every 3 months starting from the construction stage	Own resources Procurement TC for the PIP to be provided by the Bank	Audit reports in Kyrgyz or Russian, and English	
1.5	Development of a structured and integrated EHS	Development and	EBRD PRs	From	Own resources /	Documented Programme	<i>ISO 14001 and</i>

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	Management System.	implementation of the EHS Management System will help to allocate the required resources and establish working procedures for improving and appropriately assessing performance of the EHS	ISO 14001 OHSAS 18001 Best practice	the beginning of 2016 and for the duration of the Bank's Loan for the Project	external consultancy resources  Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	for EHS management system development. Records and evidences of the listed tasks and documented procedures, including training programme provisions. Annual environmental and social performance assessment reports (linked to 1.4)  Annual H&S reports (linked to 1.4)	<i>OHSAS 18001 certification is the best practice but optional given the existing situation with EHS management in the Company. At the moment EHS issues are not managed properly. External qualified resources are required for ensuring efficiency of the management systems.</i>
<b>2</b>	<b>Labour and Working Conditions</b>						
2.1	Develop a formal human resources (“HR”) policy for the Company covering the main principles of HR management including non-discrimination by any criteria and equal opportunities and treatments as it is foreseen by the Constitution of the Kyrgyz Republic. The Company must have a formal provision on non-discrimination in its HR policy and comply with these provisions Staff grievance mechanism should be also developed and implemented.. HR policy to be disclosed to any contractors and sub-contractors involved in the PIP development, and included in the tender documentation.	General working conditions and non-discrimination practices	Kyrgyz laws and regulations / EBRD PRs	Before any contractors are selected and then for the duration of the Bank's Loan for the Project	Own resources  Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	Disclosure of HR policy to staff and contractors and visibly displayed within all operations on the information boards	
2.2	Develop standards for working conditions and employment policies relating to remuneration, motivation, and benefits. It should include: wages, working hours, overtime and order compensation, paid leave, sick leave, maternity leave, and leave to care for a child, which are compatible with other similar water utilities, and eliminate	General working conditions improved, more transparent remuneration introduced, non-discrimination,	Best Practice EBRD PRs  Kyrgyz laws and regulations	Starting from the end of 2015 and then for the duration of the Bank's	Own resources  Corporate Development TC for the PIP to be provided by the Bank	Disclosure of HR policy to staff and contractors and visibly displayed within all operations on the information boards. Documented	<i>Stakeholder Engagement Plan (“SEP”) developed by the Consultant. includes</i>

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	the compliance gaps in respect of the requirements under national legislation.	infringements of legislation ended		Loan for the Project	during the PIP implementation	grievance mechanism available to all staff	<i>proposed actions</i>
2.3	Document and disclose the established training identification procedure (linked to 1.5) to the Company staff.  Develop a training programme to monitor and implement training requirements, including qualification upgrade trainings, EHSLS trainings, etc.	Improved personnel qualifications	Kyrgyz laws and regulations / EBRD PRs	Starting from the end of 2015 and then for the duration of the Loan	Own resources Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	Documented training programme and record logs regarding training events and trainees	<i>The Company does not organise any trainings at the moment</i>
2.4.	To develop and approve instructions with respect to Occupational Health and Safety (“OHS”), and develop appropriate on-the-job training	Safety in the workplace	Kyrgyz laws and regulations / EBRD PRs	Starting from the end of 2015 and then for the duration of the Loan	Own resources Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	Disclosure of HR policy to staff and contractors and visibly displayed within all operations on the information boards  Documented training programme and record logs regarding training events and trainees	<i>The Company does not organise any trainings at the moment</i>
2.5	Provide safe working conditions on-site, including requirements for using personal protective equipment (“PPE”), e.g. head, eyes, respiratory system, hand and foot protection by all workers involved in construction, operation and/or maintenance	Safety in the workplace	Best international practices PR 2 Kyrgyz laws and regulations	Throughout the construction and operational stages	Own resources	Zero accidents for the construction and operational stages	
2.6	Develop the documented staff grievance mechanism and disclose it to the staff of the Company. Grievance mechanism forms a part of the Stakeholder Engagement Plan (SEP) to be adopted by the Company.  Include the requirement into the tender documentation for contractors to adopt the same staff grievance mechanism.	Grievance mechanism	Best Practice EBRD PRs	From the end of 2015 and onwards	Own resources SEP, including staff grievance mechanism developed by the Consultant	Documented grievance mechanism available to all staff.	<i>SEP developed by the Consultant</i>
<b>3</b>	<b>Pollution Prevention</b>						
3.1	Clearly map the location of the pipeline part made of materials presumably containing asbestos and pass this information to the municipalities for information in the urban planning works.  In case of any refurbishment or demolition works required on asbestos-containing pipeline sections, the special	Potential risk for the health of employees and contractors in a long-term perspective	EU laws and regulations EBRD PRs	From the end of 2015 and onwards	Own resources / External resources if needed  Procurement TC for the PIP to be	Schematic indication of the pipeline parts presumably containing asbestos.  Report on the actions required in case	



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	<p>provisions and mitigation measures will be developed in the design documentation. The special requirements for potential construction contractors shall also be included into the tender documentation, namely to detect whether asbestos is present in the pipeline material with the help of a specialist laboratory, as well as to ensure compliance with the international requirements on asbestos handling, including development of the appropriate procedure and the appropriate PPE use. If there is a need for direct contact with materials containing asbestos, it is highly recommended that specialized contractors are hired who have the appropriate training and experience.</p> <p>Where possible, avoid any contact with asbestos-containing materials</p>				<p>provided by the Bank</p> <p>Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation</p>	<p>refurbishment needs are identified</p>	
3.2	<p>Eliminate compliance gaps in respect of the requirement under national legislation concerning operating the existing facilities, namely with regard to water abstraction; ensuring protection zones around the water abstraction facilities; discharging untreated wastewater from the existing collection system; waste passports/inventory, drinking water monitoring scope and frequencies, etc. (for more detail, see ESDD).</p> <p>Establish regular compliance controls of permits and include permit status updates in the overall reporting for the EBRD and for the Company (linked to 1.4)</p>	<p>Violation of legal requirements; fines are applicable</p>	<p>Kyrgyz laws and regulations</p>	<p>Immediate action and onwards on a regular basis</p>	<p>Own resources / External resources if needed</p>	<p>All required permits and approvals are in place</p>	
3.3.	<p>Increase public awareness regarding using water efficiently, and the use of water resources and the need for protection</p>	<p>Efficient water use</p>	<p>Best practice, EBRD PRs</p>	<p>From the end of 2015 and onwards</p>	<p>Own resources</p> <p>Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation</p>	<p>Public awareness campaign completed</p>	
3.4.	<p>Carry out a study to identify (i) sources of groundwater contamination by category of discharger; (ii) estimate source apportionment to groundwater contamination; (iii) and analyse the options for reducing the current nitrate levels and prevent continuing groundwater contamination.</p>	<p>Decrease any potential environmental impacts on the ground and groundwater</p>	<p>Best practice, Kyrgyz regulations, EBRD PRs</p>	<p>Once data becomes available</p>	<p>Own resources / External resources if needed</p>	<p>Sources of groundwater contamination identified and quantified.</p>	<p><i>Optional in case of continuous exceedance of the limit values for drinking water. (e.g.</i></p>

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3.5	<p>Development and implementation of Construction Environmental Management and Monitoring Plan ("CEMMP") by main contractors for PIP-related projects (e.g. construction of the WWTP; construction of the collection system; renovation of the boreholes; restoration and partial expansion of the water supply network; building basic support facilities; installing new public toilets; technical measures accompanying the establishment of sanitary protection zones) to be followed during construction works. CEMMP to include the following issues (see also recommendations in ESDD - Part 2):</p> <p>Construction and other waste and handling extracted ground and storage procedures;</p> <p>Prevention of oil spills and remedial procedures;</p> <p>Requirements for vehicles (in terms of emissions and noise);</p> <p>Hazardous material handling;</p> <p>Pollution prevention of groundwater resources;</p> <p>Appointment of EHS officers and a description of their responsibilities (see also point 1.3 above);</p> <p>Requirements for controls and monitoring of EHS-related issues (see also point 1.3 above).</p> <p>Regular inspections of contractors by the Company with respect to waste and volumes of ground extracted and handling under the PIP implementation.</p>	Decrease any potential environmental impacts on the ground and groundwater	Kyrgyz laws and regulations EU requirements	Before and during construction works (implementation)	Main contractors Procurement TC for the PIP to be provided by the Bank during the PIP implementation	<p>Procedure in place before any ground works started</p> <p>Records in respect to the procedure and control</p>	<i>Recommendations on mitigation measures are given in the ESDD report</i>
3.6	<p>Carry out an inspection of the contaminated area where discharges of untreated wastewater occurred adjacent to the old wastewater treatment plant ("WWTP") site prior to commencing the ground works associated with construction of the new WWTP.</p> <p>If any significant land contamination is identified under the works needed for PIP implementation, then a Remediation Plan will be elaborated and included in the updated ESAP.</p>	Decrease any potential environmental impacts	EU / Kyrgyz laws and regulations	If identified, before or during construction; ground works near the WWTP	Own resources/ External resources Procurement TC for the PIP to be provided by the Bank during the PIP implementation	Remediation Plan or measures to apply for contaminated land plots (if applicable)	<i>Consultant's recommendations are included in the ESDD report</i>
3.7	Develop hazardous materials and waste management procedure(s) (including the management of sludge from the newly-built WWTP), following the principles of waste prevention and minimisation; to be followed at all	Decrease environmental impact	EU / Kyrgyz laws and regulations	Immediate action	Own resources / External resources if needed	Hazardous materials and waste management procedure	

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	operational facilities of the Company in compliance with the applicable national and international requirements. Include the procedure(s) into the tender documentation pack to be followed by all contractors.				Procurement TC for the PIP provided by the Bank during the PIP implementation		
3.8	Increase adaptability of the Company in terms of the impacts of climate change by developing and implementing adaptation measures addressing: Possible power outages (alternative / local power sources, e.g. solar panels); Resilience of the Company's infrastructure to flooding, underground flooding, and other climate emergencies (emergency plan, maintenance plan, insurance cover for the Company's assets); Ensuring a minimum flow in the irrigation canal to be used as a recipient of the treated waste water discharged from the new WWTP; and Protection of the water intake structures and to prevent groundwater contamination associated with the underground flooding.	Decrease the impacts of climate change	Best practice The International Water Law in Central Asia (e.g. Almaty Agreement, 1992) <sup>1</sup> .	From the beginning of works and for the duration of the Loan	Own resources (possibly third-party support)	Alternative / local sources of energy established Emergency plan and maintenance plan developed Commitment of Kara-Suu Mayor's Office and the representatives of Kara-Suu Rayon to ensure sufficient water allocation from the Andijan water reservoir (UZ) Report on the inspection of water intake objects, and on planned and implemented corrective measures	<i>Adaptation measures recommendations are included in the ESDD report</i>
<b>4</b>	<b>Health and Safety, Security</b>						
4.1.	Develop the general requirements for the protection of public health and safety linked to water, hygiene and sanitation alongside the relevant regional and municipal authorities	Decrease health and safety ("H&S") risks for community	EBRD PRs Best practice	Start along with the implementation of PIP (end of 2016) and then inspections twice a year	Regional and municipal H&S authorities Own resources	Documented requirements and relevant health records on morbidity and its development	
4.2	Develop measures for divesting old assets (old WWTP) that represent a risk to community safety due to their poor technical condition, risk of failures, and injuries alongside the Mayor's Office and the Kara-Suu rayon authorities.	Decrease H&S risks for community	EBRD PRs Best practice	Start along with the implementation of PIP (end of 2016)	Regional and municipal H&S authorities Own resources	Documented requirements and relevant staff records Communication	

<sup>1</sup> The Agreement between the Republic of Kazakhstan, the Kyrgyz Republic, the Republic of Tajikistan, Turkmenistan, and the Republic of Uzbekistan on Cooperation in the Field of Joint Management of the Use and Conservation of Water Resources of Interstate Courses (Almaty, 1992).

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	Security provisions should be reviewed and communicated to the personnel and to the adjacent communities and neighborhoods. Requirements for the safety of infrastructure and equipment must be clearly defined during the construction, operational and decommissioning stages			and then inspections twice a year	Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	to the key stakeholders must be on a regular basis	
4.3	Security arrangements preventing public access to all facilities will be developed and implemented.	Decrease H&S risks for community	EBRD PRs Best practice	Start along with the implementation of PIP (end of 2015) and then inspections twice a year	Own resources Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	Relevant progress and inspection records	
4.4	Develop and adopt security requirements for the personnel of the Company on the basis of the best practice approach. Requirements will be effective from their date of approval.  The work description of employees engaged in protecting the Company's assets need to be reviewed and improved, if necessary. Workers engaged in the protection should be familiar with the instructions, and have been instructed and trained.	Decrease H&S risks for community and personnel	EBRD PRs Best practice	By the end of 2016	Own resources	Documented requirements and relevant staff records	
4.5.	Develop clear guidelines for the communities using cesspools concerning the best cesspool construction and use practice due to the potential risk of poor sanitary conditions of cesspools (i.e. leakages) to human health, the environment, water pollution, and agricultural produce.  Develop (in collaboration with the relevant Sanitary Epidemiological Station) information materials on the health risk of elevated concentration of nitrates to inform the public about precautionary measures, especially relevant to new born babies below 3 months of age (bottle-fed) and pregnant women).	Decrease of infectious gastrointestinal diseases risks, general health risks, especially for maternal and infant health, water pollution and environmental pollution risks	EBRD PRs Best practice	By the end of 2016	Own resources Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	Documented requirements and relevant staff records	
4.6.	Develop H&S educational and training programmes on hygiene and sanitation, public toilet and bath use, as well as human rights to quality drinking water for schools and kindergartens, and low-income and vulnerable households.	Decrease H&S risks for communities, especially the most vulnerable and low-income	Best practice	By the middle of 2016	Own resources Corporate Development TC for the PIP to be provided by the Bank	Training materials and educational events; special issue of the local Kara-Suu newspaper	

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					during the PIP implementation		
4.7	Develop joint instructions and training courses with the Ministry of Emergencies to ensure better emergency readiness and response to emergencies. Special response drills in case of fire, emergency or natural or military action in order to develop safety measures that are not carried out in the Company.	Decrease safety and security risks to the communities	Best practice	By the middle of 2016	Own resources Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	Training materials and educational events; special issue of the local Kara-Suu newspaper	
4.8.	On the basis of a robust dataset on drinking water quality (obtained via regular monitoring) assessing the health risks linked to pollutants exceeding the national /international standards (especially microbial contamination and nitrates).	Decrease H&S risks for communities, especially the most vulnerable and low-income	Kyrgyz laws and regulations EBRD PRs	By the end of 2016	Own resources Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation		
4.9.	Public/personal security arrangements with regard to risks related to the use of water supply and sewerage infrastructure	Public/personal security risks reduced	Best practice	Start along with the implementation of PIP (end of 2016)	Own resources Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation	Reduced conflicts and violence related to the use of the infrastructure/number of relevant incidents and criminal acts	
<b>5</b>	<b>Land Acquisition, Involuntary Resettlement and Economic Displacement</b>						
5.1	Prepare and complete the likely land acquisition for Brigade N°6 (also linked to point 3.2 above) together with development of the involuntary resettlement/ plan which is to be implemented and reported on within the ESAP	Legal requirements not upheld, involuntary resettlement procedures overdue and improper	Kyrgyz laws and regulations EBRD PR 5	Immediate actions to be planned. to be completed by the end of 2015 (see loan covenants)	Own resources Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation to facilitate successful completion	Resettlement plan to be elaborated and regularly monitored. Documented arrangements on land use/ownership with respect to Brigade N°6 investments under the Project.	Voluntary settlement to be proactively sought by the Company/City
5.2	Develop the documented procedure for checking all land	Risks on economic	Kyrgyz laws	Procedures	Own resources	Developed procedure	

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	<p>rights and any restrictions relating to building the sewerage networks or extending the water supply pipeline and assess / estimate real needs for involuntary resettlement (including physical and economic displacement). If unavoidable to resettle population or relocate any economic activity, develop a resettlement plan which will be implemented and reported on within the ESAP</p> <p>In case of any reallocations of pipelines and/or facilities are required, always check the sanitary protection zone requirements and other limitations at the inception of the design stage in order to avoid any economic displacement or impact on private or municipal property (buildings, constructions, yards). Keep assessment records regarding the risks of potential economic displacement or resettlement.</p>	<p>displacement and less on resettlement due to continuous inappropriate consideration of red lines (easements) and limitations to land use by the community and construction parties.</p> <p>Legal requirements not upheld, involuntary resettlement procedures overdue and improper.</p>	<p>and regulations EBRD PR 5</p>	<p>to be developed by early 2016.</p> <p>Resettlement plan for drinking water-related components of the PIP by the end of 2015 and wastewater-related ones by the end of 2016.</p> <p>Regular records and checking to be maintained/installed since the start of the Loan.</p>	<p>Procurement TC for the PIP to be provided by the Bank during the PIP implementation</p>	<p>and associated records. Documented assessment of the needs and eventually also documented resettlement planning and progress monitoring</p>	
5.3	<p>During the design stage each PIP sub-project has to be checked in order to ensure that nearby land users or entrepreneurs will not be economically affected during the construction or operation. If any impact identified then prevention or mitigation measures (including compensation) are to be developed and described in the design volume "Project of Construction Organisation".</p> <p>This requirement and the procedure developed under point 5.2 above shall be introduced into the tender documentation pack for the design stage.</p> <p>All identified mitigation measures associated with the risk of economic displacement are to be included into the tender documentation for the construction stage.</p>	<p>Risks on economic displacement and less on resettlement due to the continuous inappropriate consideration of red lines (easements) and limitations on land use by the community and construction parties</p>	<p>Kyrgyz laws and regulations EBRD PR 5</p>	<p>Starting from early 2016</p>	<p>Own resources Contractor's resources</p> <p>Procurement TC for the PIP to be provided by the Bank during the PIP implementation</p>	<p>Provisions in the design documentation and associated correspondence and records</p>	
<b>6</b>	<b>Biodiversity</b>						
6.1	<p>Conduct an ecological survey aimed at identifying protected species both on and nearby the Company sites and the PIP sites. Clearly map the findings on the utilities scheme.</p> <p>Develop the procedure requirements in respect to the preventive measures for biodiversity conservation</p>	<p>Identification of risks for biodiversity</p>	<p>Kyrgyz laws and regulations EBRD requirements IUCN list</p>	<p>From the end of 2015 and for the duration of the Loan</p>	<p>Own resources / External consultants</p> <p>Procurement TC for the PIP to be provided</p>	<p>Report on the findings of the ecological survey; mapped survey findings.</p> <p>Inclusion of the relevant requirements for construction stage</p>	

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	and permitting provisions which are to be undertaken during the construction stage (see also ESDD report). Include these requirements into the construction tender documentation for PIP implementation.				by the Bank during the PIP implementation	in the tender documentation	
<b>7</b>	<b>Cultural Heritage</b>						
7.1	If any chance findings occur during implementation of the ground works, the contractor must follow the national legal requirements, including temporarily suspending the works, informing the responsible authorities and other associated steps. This requirement will be included in the construction tender documentation.	Avoid adverse impacts on the cultural heritage	Kyrgyz laws and regulations EBRD requirements	By the end of 2015 for inclusion of the respective requirement into the tender documentation. Legally regulated chance findings procedure must be applied during the construction stage, when necessary.	Own resources Contractor's resources Procurement TC for the PIP to be provided by the Bank during the PIP implementation	Relevant provision in the tender documentation. Records on chance findings (if any)	
<b>8</b>	<b>Stakeholder Engagement and Information Disclosure</b>						
8.1	Develop, update, and implement the SEP for the PIP in order to meet EBRD standards; the SEP should specify a system and establish modes of effective communication and consultations; define the principles concerning information disclosure; (iv) and establish the conditions for meaningful interactions with those who are affected and any interested communities. This will map the requirements for public consultations to be provided as well as contain the public grievance mechanism and demonstrate an appropriate approach to public disclosure of information.  Adopt the documented public grievance mechanism as described in the SEP and disclose it on the Company's Website, and in printed form on information boards in the City Hall building.	To ensure good on-going consultation to stakeholders on project related information and management plans.	Kyrgyz laws and regulations EBRD PR 10 and international best practice	SEP will be under implementation as soon as it has been adopted, but no later than the beginning of 2015	Own resources and external consultant (the Consultant drafted the SEP) Corporate Development TC for the PIP to be provided by the Bank during the PIP implementation (update of SEP)	SEP adopted, approved, implemented and disclosed to stakeholders through effective distribution channels and on the Company Website	
8.2	PIP information disclosure. For all PIP sub-projects, develop a Non-Technical Summary ("NTS") and disclose this locally and on the Company's Website and on information boards	Project information disclosure	EBRD PR 1 / PR 10	Prior to commencing construction and installation	Corporate Development for the PIP to be provided	PIP information disclosure. NTS disclosed to the public via	

## Kara-Suu Water Sub-project – Feasibility Study

TASK 5 - Part 4: E&S Action Plan (Final Report – Corrigendum 1)



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	in the City Hall building. The NTS will include a summary of the projects, impacts, and abatement and mitigation measures.			works	by the Bank during the PIP implementation	the Company's Website and on information boards in the City Hall building	



# Glossary

<b>ARIS</b>	Community Development and Investment Agency of the Kyrgyz Republic / Агентство развития и инвестирования сообществ Кыргызской Республики (АРИС)
<b>Assignment (or Study)</b>	Kyrgyz Republic: Kara-Suu Water Sub-project - Feasibility Study, C29651/CZDT-2014-07-04
<b>Bank (or EBRD)</b>	European Bank for Reconstruction and Development, with its headquarters at One Exchange Square, London EC2A 2JN, United Kingdom
<b>CEMMP</b>	Construction Environmental Management and Monitoring Plan
<b>Certificate of Incorporation</b>	Certificate of incorporation of the Company issued by the Ministry of Justice of the Kyrgyz Republic from 2 July 2008 (Свидетельство)
<b>City (or Kara-Suu)</b>	City of Kara-Suu
<b>Company</b>	KaraSuu - Taza Suu, registration number: 72945-3306-MP, identification number: 02406199910105, having its registered office at Kara-Suu, Lenin Street 4, Kara-Suu District, Osh Province, Kyrgyz
<b>Consultant</b>	Mott MacDonald CZ, spol. s r.o., having its registered seat Narodni 984/15, Prague 1, Post Code: 110 00, Czech Republic
<b>DN</b>	Diameter Nominal
<b>E&amp;S</b>	Environmental & Social
<b>E&amp;S DD</b>	Environmental & Social Due Diligence
<b>EBRD (or Bank)</b>	European Bank for Reconstruction and Development, with its headquarters at One Exchange Square, London EC2A 2JN, United Kingdom
<b>EHS</b>	Environmental Health and Safety
<b>EHSLS</b>	Environmental, Health and Safety, Labour and Social
<b>ESAP</b>	Environmental and Social Action Plan
<b>ESMS</b>	Environmental & Social Management Systems
<b>EU</b>	European Union
<b>EU Drinking Water Directive</b>	Council Directive 98/83/EC on the quality of water intended for human consumption
<b>Framework</b>	Kyrgyz Republic Water and Wastewater Framework

<b>H&amp;S</b>	Health and Safety
<b>HR</b>	Human Resources
<b>ILO</b>	International Labour Organisation, <a href="http://www.ilo.org">www.ilo.org</a>
<b>ISO 14001</b>	"ISO 14001:2004", internationally accepted standard for an effective environmental management system
<b>IUCN</b>	The International Union for Conservation of Nature
<b>KR</b>	Kyrgyz Republic
<b>Memorandum of Association</b>	Founding document of the Company from 2 April 2008 (Устав Муниципальново Предприятия "Карасуу - Таза Суу" При Карасийской Городской Управе)
<b>NTS</b>	Non-Technical Summary
<b>OHS</b>	Occupational Health and Safety
<b>OHSAS 18001</b>	"BS OHSAS 18001:2007", internationally applied British Standard for occupational health and safety management systems
<b>PIP</b>	Priority Investment Programme
<b>PPE</b>	Personal Protective Equipment
<b>Project</b>	Rehabilitation of water supply network and implement selectd wastewater improvements in the City
<b>PRs</b>	Performance Requirements of the Bank (EBRD)
<b>Report</b>	this Report- Task 1 (Baseline Study) under the Assignment
<b>SEP</b>	Stakeholder Engagement Plan
<b>SES</b>	State Epidemiological Station (of the Kyrgyz Republic)
<b>Study (or Assignment)</b>	Kyrgyz Republic: Kara-Suu Water Sub-project - Feasibility Study, C29651/CZDT-2014-07-04
<b>TC</b>	Technical Cooperation
<b>ToR</b>	Terms of Reference for the Assignment
<b>UZ</b>	Uzbekistan
<b>WWTP</b>	Wastewater Treatment Plant