

INTEGRATED SAFEGUARDS DATA SHEET CONCEPT STAGE

Report No.: ISDSC8252

Date ISDS Prepared/Updated: 12-Feb-2015

Date ISDS Approved/Disclosed: 19-Feb-2015

I. BASIC INFORMATION

A. Basic Project Data

Country:	Zambia	Project ID:	P149091
Project Name:	Lusaka Sanitation Project (P149091)		
Task Team Leader(s):	Michael John Webster		
Estimated Appraisal Date:	17-Mar-2015	Estimated Board Date:	22-May-2015
Managing Unit:	GWADR	Lending Instrument:	Investment Project Financing
Sector(s):	Sanitation (100%)		
Theme(s):	Urban services and housing for the poor (30%), Municipal governance and institution building (20%), City-wide Infrastructure and Service Delivery (25%), Pollution management and environmental health (25%)		
Financing (In USD Million)			
Total Project Cost:	315.00	Total Bank Financing:	65.00
Financing Gap:	0.00		
Financing Source			Amount
BORROWER/RECIPIENT			0.00
International Development Association (IDA)			65.00
African Development Bank			67.00
EC European Investment Bank			136.00
GERMANY KREDITANSTALT FUR WIEDERAUFBAU (KFW)			47.00
Total			315.00
Environmental Category:	B - Partial Assessment		
Is this a Repeater project?	No		

B. Project Objectives

The project development objective is to increase access to sustainable sanitation services for the poor in Lusaka.

C. Project Description

The project will have the following three components:

- Component 1: Sewerage improvements (US\$ 30 million). The objective of this component is to upgrade and expand sewerage systems in the Ngwerere and Manchinchi sewersheds. Priority upgrading and expansion will be based on priority 1 investments as identified in the Lusaka Sanitation Master Plan and complying with the agreed eligibility criteria. Year 1 investments will be in Emmersdale, Chaisa, Ngwerere and Kafue Road. Year 2 to 5 investments will be based on the sub-project appraisal documents prepared by LWSC and approved by the Bank. The investments will likely include expansion of sewer networks, upgrading of interceptors and basic repair works on existing sewage ponds.
- Component 2: On-site sanitation (US\$ 10 million). The objective of this component is to develop a comprehensive response to the on-site sanitation challenge facing Lusaka and support on-site sanitation provision in priority areas. This component will focus on priority peri-urban areas that will not be sewered in the medium- to long-term due to technical and financial considerations. Investments will include partial subsidy for on-site sanitation facilities, support to the development of fecal sludge management systems and service providers, and strengthen information and data management, and promote sanitation and hygiene education. LWSC will support the Water Trusts to implement this component.
- Component 3: Institutional strengthening (US\$ 7 million). This component will provide technical assistance (TA) to implement the project, including: Project Management support to Lusaka Water and Sewerage Company (LWSC) to implement the project including staff, consultants, seconded staff from relevant institutions and incremental operating costs; and TA to strengthen the capacity of LWSC to provide sanitation services including TA to improve sanitation operations, improve overall performance of the utility, equipment for sanitation operations and preparation funds for future priority investments. The component will also provide financing for the PMU to finance selected activities for relevant agencies such as MLGH, MoH and LCC to achieve an integrated approach to service improvements.

D. Project location and salient physical characteristics relevant to the safeguard analysis (if known)

The project activities will be implemented in the Manchinchi and Ngwerere sewersheds which are located in the western part of Lusaka city. Year 1 investments have been agreed with LWSC and include Emmasdale, Chaisa, Ngwerere main collector and Kafue Road main collector. Year 2 to year 5 investments are yet to be finalized, but will be selected from priority 1 investments (as identified by the Lusaka Sanitation Investment Master Plan) within Ngwerere and Manchinchi sewersheds. While the sites are broadly known and there is an indicative list of sub-projects, the specific sites and works are not yet finalized. The project areas have urban and peri-urban settlements. It is highly likely that the planning may be poor with little or no provision for service lanes. Furthermore, uncontrolled property development may restrict access of construction workers to project site. The project is therefore likely to have negative socio economic impacts on the settlements and on livelihood patterns which may include interruption of traditional paths, safety of children in view of trenches, sewer lines disturbing gardens and tuck-shops and physical relocation of some houses considering the haphazard settlements.

The project is also likely to result in (very limited) involuntary resettlement and disruption of sources of livelihood. Experiences from other projects in related areas are that there will be pit latrines and wells which may complicate excavation for sewers. Pit latrine contents tend to affect the area around the toilet making excavations around a health risk as often in such areas hand excavation becomes the most appropriate approach due to limited space. Occupational safety and health of the employees working on the sewer system and the community are also important aspects. Negative environment and social impacts may include: (i) water pollution (contamination of both ground and surface waters); (ii) issues relating to informal settlements; (iii) temporary disruption of livelihood activities; (iv) occupational safety and health; and (v) public safety and health (including HIV and AIDS).

E. Borrowers Institutional Capacity for Safeguard Policies

The project will be implemented by the Lusaka Water and Sanitation Corporation (LWSC). Zambia has an Environmental Management Act that stipulates effluent discharge standards which is administered by Zambia Environmental Management Agency (ZEMA). Though the borrower has some staff already working in sewer treatment and pollution monitoring, capacity for implementing and monitoring safeguards issues is still weak. The project, through component 3, will support the recruitment of an environmental and social safeguards specialist into the Project Management Unit in LWSC whose role will be to implement and monitor the mitigation measures described in the ESMP. In addition, the project will support additional specific institutional capacity building measures to ensure effective implementation of the safeguards.

F. Environmental and Social Safeguards Specialists on the Team

Paula F. Lytle (GSURR)

II. SAFEGUARD POLICIES THAT MIGHT APPLY

Safeguard Policies	Triggered?	Explanation (Optional)
Environmental Assessment OP/BP 4.01	Yes	<p>The project will largely generate positive impacts contributing to better health through increased access to sanitation facilities, reduced incidences of water borne diseases and awareness on good hygiene practices.</p> <p>The Project is classified as environment Category B, requiring a partial environmental assessment. The potential negative impacts associated with the project activities will largely be associated with civil works emanating from digging of trenches to install the sewer pipes during the construction phase of the project. The anticipated negative impacts will be localized, site-specific and small-scale and might likely include soil erosion, generation of construction related solid waste, limited reduced vegetation cover due to clearing of land to pave way for construction activities, increased localized noise and dust emissions due to earth moving equipment and machinery, and oil spillage from construction equipment and machinery.</p>

		Given that the nature, scope and location of activities related to on-site sanitation will be determined during implementation of the project, including the alignments for laying the sewer pipes, an Environmental and Social Management Framework (ESMF) will be prepared, consulted upon and disclosed in-country and at the InfoShop before appraisal. In addition, an Environmental and Social Management Plan (ESMP) with appropriate mitigation measures will be prepared for all year 1 investments.
Natural Habitats OP/BP 4.04	Yes	Trenching activities associated with expansion of the sewer main will likely have minimal impacts on natural habitats such as wetlands and rivers during the construction phase. The project ESMF will include assessment for potentially affected natural habitats and include provisions for any required mitigation measures to minimize any possible impacts.
Forests OP/BP 4.36	No	There are no forests that will be affected by the project and there are no activities proposed which promote forest management.
Pest Management OP 4.09	No	The project activities will not promote the use of pesticides.
Physical Cultural Resources OP/BP 4.11	No	The project activities will have no impacts on Physical Cultural Resources. The project areas show that they are already impacted with the construction of existing sewers, road network and residential areas such that the chance of coming across physical cultural resources are very remote. However, the project ESMF will incorporate chance find procedures for construction contracts.
Indigenous Peoples OP/BP 4.10	No	There are no Indigenous Peoples in the project area.
Involuntary Resettlement OP/BP 4.12	Yes	The project areas are densely populated, possibly including informal settlements. The project is expected to disturb settlements, requiring land acquisition leading to temporary or permanent resettlement, and is likely to disrupt livelihood activities. However, no major resettlement is expected in the project. Before appraisal, a Resettlement Policy Framework will be prepared, consulted upon and publicly disclosed in Zambia and in the Bank InfoShop following a set of public consultations. Resettlement Action Plans will be

		prepared for year 1 investment – and disclosed in Zambia and the Bank’s Infoshop – and for year 2-5 investments, will be prepared, consulted upon and disclosed before beginning civil works in the project.
Safety of Dams OP/BP 4.37	No	The project will not support the construction of new dams or entail rehabilitation of existing dams.
Projects on International Waterways OP/BP 7.50	Yes	The proposed project and the resultant sub-projects falls within the sewerage type of projects and are within the immediate catchment of the Zambezi River, an international water body traversing, thereby raising grounds for triggering the policy. The scope of the project and resultant subproject will not cover works and activities that would exceed the original scheme or change the nature of the resultant effluent to the effect that it can be considered a new scheme. The project is aimed at improving the quality of the effluent to reduce the overall pollution load to the Zambezi River catchment thereby creating grounds for qualification for notification exemption. LWSC will therefore seek exemption for the requirement for notification of riparian states.
Projects in Disputed Areas OP/ BP 7.60	No	The project location is not within a disputed area.

III. SAFEGUARD PREPARATION PLAN

A. Tentative target date for preparing the PAD Stage ISDS: 26-Feb-2015

B. Time frame for launching and completing the safeguard-related studies that may be needed. The specific studies and their timing¹ should be specified in the PAD-stage ISDS:

LWSC has procured consultants to prepare the ESMF, ESMP (for year 1 investments) and the Environmental Project Brief (for ZEMA) and a Resettlement Policy Framework (RPF) to be disclosed by March 1, 2015. LWSC is preparing the RPF and RAP for year 1 investments in-house, with the assistance of individual consultants.

IV. APPROVALS

Task Team Leader(s):	Name: Michael John Webster	
<i>Approved By:</i>		
Regional Safeguards Coordinator:	Name: Alexandra C. Bezeredi (RSA)	Date: 12-Feb-2015
Practice Manager/ Manager:	Name: Jonathan S. Kamkwala (PMGR)	Date: 19-Feb-2015

¹ Reminder: The Bank's Disclosure Policy requires that safeguard-related documents be disclosed before appraisal (i) at the InfoShop and (ii) in country, at publicly accessible locations and in a form and language that are accessible to potentially affected persons.