

 Early Warning System

WB-P121648

Gaza Solid Waste Management Project



### Quick Facts

<b>Countries</b>	Palestine, West Bank, Gaza
<b>Financial Institutions</b>	World Bank (WB)
<b>Bank Risk Rating</b>	A
<b>Voting Date</b>	2014-03-31
<b>Borrower</b>	PALESTINIAN AUTHORITY
<b>Sectors</b>	Water and Sanitation
<b>Potential Rights Impacts</b>	Cultural Rights, Healthy Environment, Housing & Property, Right to Health, Right to Water
<b>Project Cost (USD)</b>	\$ 35.26 million



## Early Warning System Project Analysis

This project is assigned Category A for environmental & social considerations. Bank document state that the overall Risk Rating for this project is High, due to the complexities associated with the project in terms of location in the Gaza Strip and the associated constraints. These constraints include (a) the limited Palestinian Authority's control over the Gaza Strip; (b) the limitations on materials and persons entering the Gaza Strip, subject to permissions issued by the Government of Israel; (c) proximity of the new landfill from the borders with Israel; and (d) delays in finalizing the compensation to landfill land owners.

According to the World Bank the proposed project is classified Environmental Category 'A' in accordance with World Bank Operational Policy 4.01, 'Environmental Assessment,' as it is likely to have significant adverse environmental impacts that are sensitive, diverse, or unprecedented.

The Al-Fukhari landfill site is underlain by fresh water aquifers, which constitute the main source of drinking water and irrigation water for Gaza. Bank documentation notes the risk of leachate, water that has percolated through a solid and leached out some of the constituents, being released to the adjacent soil and reach[ing] the groundwater which will cause high organic load and acidic conditions to the reached groundwater.

The Bank claims that the project will be designed for "zero" leachate and drainage discharge into the ground and surface water resources. However, it is important to note bank documentation also states that, uncontrolled dumping of waste would contaminate groundwater and soil, attract disease-carrying rats and insects, and even cause fires due to the production of methane from decomposing organic waste.

### Sources:

\*World Bank Documentation,

\* <http://www.alazhar.edu.ps/arabic/Ewi/Researches/GazaPaper-new/LEACHATE%20IUG.pdf>

### APPLICABLE SOCIAL AND ENVIRONMENTAL STANDARDS

-Environmental Assessment (OP/BP 4.01)

-Involuntary Resettlement (OP/BP 4.12)

### ENVIRONMENTAL ASSESSMENT

According to the Bank's Project Appraisal Document, the Project is classified Environmental Category A as it is likely to have significant adverse environmental impacts that are sensitive, diverse, or unprecedented. This document also states that a full environmental impact assessment will be carried out as part of project preparation to ensure the design takes into account mitigation measures. Bank documents note that the proposed project site in southern Gaza is underlain by fresh water aquifers, which constitutes the main source of drinking water and irrigation water for Gaza. Although Bank documents state that the project will be designed for 'zero' leachate and drainage discharge into the ground and surface water resources, the Environmental and Social Impact Assessment (ESIA) for the project reported long term potentially irreversible impacts to ground water resources by leachate if proper mitigation measures are not considered in project design. Environmental impact, it continues, would also result in the vicinity to the proposed landfill site from the increased traffic of solid waste disposal trucks from the various communities in middle and southern GS. The project will generate also landfill gas during the operational and decommissioning phases. Environmental impacts during the construction phase (such as dust emissions, soil erosion, water pollution, noise etc.) would be temporary and reversible (emphasis added). The Bank also notes that the



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## Investment Description

- World Bank (WB)



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## Contact Information

### ACCOUNTABILITY MECHANISM OF WORLD BANK

The World Bank Inspection Panel is the independent complaint mechanism and fact-finding body for people who believe they are likely to be, or have been, adversely affected by a World Bank-financed project. If you submit a complaint to the Inspection Panel, they may investigate to assess whether the World Bank is following its own policies and procedures for preventing harm to people or the environment. You can contact the Inspection Panel or submit a complaint by emailing [ipanel@worldbank.org](mailto:ipanel@worldbank.org). You can learn more about the Inspection Panel and how to file a complaint at: <http://ewebapps.worldbank.org/apps/ip/Pages/Home.aspx>.



## Bank Documents

- West Bank and Gaza - Gaza Solid Waste Management Project (Vol. 2) : Environmental and social impact [Original Source]
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- West Bank and Gaza - Gaza Solid Waste Management Project : Integrated Safeguards Data Sheet (Concept [Original Source]
- West Bank and Gaza - Gaza Solid Waste Management Project : P121648 - Implementation Status Results R [Original Source]
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- West Bank and Gaza - Gaza Solid Waste Management Project : resettlement plan (Vol. 3) : Resettlement [Original Source]
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- West Bank and Gaza - Gaza Solid Waste Management Project : resettlement plan : Abbreviated resettlem [Original Source]