

Operational Input
(IDBDOCS #35353083)

Country: HAITI

Program Name and Number: MASTER PLAN FOR THE REHABILITATION AND MANAGEMENT OF THE TRUTIER
SITE AT PORT-AU-PRINCE (HA-T1136)

Date	October 5, 2010
Relationship to Loan	This project will be key in the development of the Integrated Solid Waste Management in Port-au-Prince lending operation
Project Team	Rodrigo Riquelme, Corinne Cathala, Francisco Contreras, Horacio Terraza (INE/WSA), Dominique Bouzerma, Carlos Faleiro (WSA/CHA), Guillermo Eschoyez (LEG/SGO), Ariel Rodriguez (PDP/CHA) and Patricio Crausaz (PDP/CEC).
Responsible Division	INE/WSA
Executing Agency	Comité Interministériel pour l'Aménagement du Territoire (CIAT)
Unit of Disbursement Responsibility	CHA
Objective	The objective of the project is to improve the solid waste final disposal practices in PAP. Specifically, it will finance a basic set of studies to rehabilitate the existing dump at Truitier as a sanitary landfill, and the design the business model and institutional architecture to operate the facility.
Description	<p>Municipal Solid Waste (MSW) Management in Haiti is currently in critical conditions. Over the years, 100% of the solid waste generated in the country has been disposed in uncontrolled dumps, generating significant and in many cases permanent environmental impacts over natural resources such as ground and superficial waters, soil and air. In the case of the city of Port Au Prince (PAP), the Truitier dump has served as a final disposal site for about 800 tons of the total 1,600 tons of solid waste generated on daily basis in the city. Per capita solid waste generation is estimated at 0.5 kilograms a day, being among the lowest in the region. The social impacts of a poor SWM system are vast, only the Truitier dump is estimated to have about 200 regular scavengers working at the site. In terms of collection in PAP, coverage is the lowest of the region estimated at 40%, the truck fleet is based on equipment donated by other governments, a complete lack of maintenance capacity.</p> <p>The lack of an institutional framework and of a clear leader with technical and management capacity in the sector has precluded the GoH from developing a serious and effective SWM system. In fact, the Metropolitan Solid Waste Collection Service (SMCRS), an institution aimed to collect and hygienically dispose the solid waste generated in PAP has been closed twice since 1981, placing waste management under the supervision of several governmental ministries over the past two decades, namely: the Ministry of Public Works, Transport and Communications (MTPTC) through <i>The Cellule de Gestion Des Déchets Solides</i> (CGDS), the DINEPA (<i>Direction Nationale de l'Eau Potable et de l'Assainissement</i>), and the Ministry of Interior and Defense. Indeed, the waste management situation in PAP had reached a chaotic situation leading the Ministry of Interior and Defense through the direct funding of the municipality of PAP to coordinate the management activities in the sector.</p> <p>The already weak waste management system in place in PAP has been overwhelmed by the effects of the 7.0 earthquake on the Richter scale experienced in Haiti on January 12, 2010. The earthquake caused catastrophic damage in the area of</p>

	<p>Port au Prince, with an estimated 222,517 people killed, approximately 600,000 people displaced and 1.2 million people homeless. Most of the city buildings collapsed and an appreciable number of those that remained standing will need to be demolished because of the structural damaged. Current estimates of the total earthquake and future demolition generated debris are about 20 million tons. The accumulated debris not only interfered with the reconstruction efforts, but it also blocked the stormwater drainage system causing as a result significant floods. Additionally, the city sewage infrastructure has been seriously damaged forcing the authorities to dispose approximately 15,000 gallons of wastewater on daily basis in the Truiter dump without any treatment. Similarly, about 1-3 tons of healthcare waste is disposed in Truiter under no sanitary conditions.</p> <p>Aware of this critical situation, the government of Haiti has requested technical and financial support to the IDB to address the urgent situation at the Truiter dump through the construction of a sanitary landfill and a security cell for industrial waste, construction of a treatment facility for healthcare waste and closure of the open dump. This TC will include only the design of the Master Plan for the rehabilitation and management of the site and it is expected that additional funding will be procured in 2011-2012 to finance the related civil works.</p>
Activities	<p>The proposed project includes the development of the following specific activities:</p> <p>(i) <u>Development of the Master Plan for the Rehabilitation and Management of the Truiter Site:</u> The development of the Master Plan will include a diagnosis of the current situation at Truiter assessing among others technical, social and environmental aspects. The diagnostic will include hydrogeologic and geologic studies of the area, topographic analysis, characterization of the waste in the impacted area, etc. Based on the diagnostic the Master Plan will involve the detailed engineering designs for the entire treatment and final disposal facility including construction of a sanitary landfill cell, a security cell for industrial hazardous waste, and for the design of a healthcare treatment facility, technical specifications for equipment acquisition, detailed engineering designs for the dump closure and overall expansion plan as a sanitary landfill for the remaining life span of the site. Additionally the Master Plan will take into consideration a definitive solution for the waste water being currently sent and disposed on transitory basis in Truiter. This final decision for this activity will be taken in conjunction with DINEPA, which is the local agency in charge of the water treatment service. The Master Plan will also include the development of baseline studies to determine the environmental viability of the site. Considering that the social aspects related to the scavengers inclusion in the rehabilitation plan of the site are not to be the focus of the study, the conclusions of an additional study carried out by the World Bank establishing the baseline for the development of an economic inclusion of waste pickers study will be taken into consideration for the Master Plan development.</p> <p>(ii) <u>Design of the Institutional Framework and Business model for Treatment and Final Disposal Operation at Truiter:</u> Operation of the new site on sustainable economic and environmental basis will require the creation of a new institution (agency/office/public company) and a business model. This activity will finance the design of this new institution and the identification of the most suitable place to set it up within the existing government institutional framework. The activity will define aspects like: legal setting and responsibilities, key staff, funding resources, technical requirements, regulatory responsibilities, contracting, etc. The activity will include specific recommendations to attain the economic sustainability by developing a detailed financial improvement action plan for the operation and maintenance of the final disposal facility, which it also includes the selection of the suitable contract modality for the current solid waste management service in Port au Prince. The activity will include as well the implementation of an exchange of experiences program between the technical staff in Haiti and the Korean government.</p>

Expected outputs	A report including (i) the Master Plan for the Rehabilitation and Management of the Trutier Site, and (ii) the design of the institutional structure and business model for its operation.		
Expected Outcome	To improve the current sanitary situation at the Trutier dump and the local institutional capacity to operate the new sanitary safe treatment and final disposal facility through the results and recommendations generated from the technical studies financed on this Technical Cooperation.		
Timeline	Execution: 8 months Disbursements: 11 months		
Budget	Kind of Expenses		IDB (KPR) (US\$ 000')
	Activity 1: Development of the Master Plan for the Rehabilitation and Management of the Trutier Site		240
	Activity 2: Design of the Institutional Framework and Business model for Treatment and Final Disposal Operation		80
	Audit ¹		0
	Dissemination of studies and exchange of experiences about the solid waste management in Korea		40
	TOTAL (US\$ 000')		360
Detailed Annex	http://idbdocs.iadb.org/wsdocs/getDocument.aspx?docnum=35352991		
Estimated Administrative Budget of execution by year of the execution	Activities	First Year (US\$ 000')	Total (US\$ 000')
	Supervision Expenditure	10	10
Procurement/contracting plan	Procurement and Contracting of consulting services will be conducted by CIAT in accordance with the IDB procurement policies and procedures established in documents GN-2350-7 and also following Special Guidelines for Procurement developed in the framework of the earthquake of January 12 2010 in Haiti described in OP-387-1. See detailed Procurement Plan in Annex I: http://idbdocs.iadb.org/wsdocs/getDocument.aspx?docnum=35352760		
Conditions for disbursements	N/A		
Disbursements	Disbursement will be a direct payment to the supplier. The contemplated disbursement schedule by the bank will be made through periodic disbursements based on a semiannual programming of the cash flows and expenses of the executing agency in the execution of the Technical Cooperation.		
Evaluation*	CIAT with the support of INE/WSA will monitor and evaluate the consultant's work through the review, evaluation and approval of the documents described in the "Reports" section of this document.		
Reports	i) A work action plan a week after contract signature; ii) a draft version of the of the Master Plan and the design of the institutional framework for site operation at 3 months after contract signature; and iii) a final version of report at 6 months after contract signature.		
Audits	Final Audit will be financed through Bank resources.		
Terms of Reference	See link of Terms of Reference: http://idbdocs.iadb.org/wsdocs/getDocument.aspx?docnum=35352773		

¹ As the Disbursement will be a direct payment to the supplier, the value of the auditory item is Zero.


**MASTER PLAN FOR THE REHABILITATION AND MANAGEMENT OF THE TRUTIER SITE
AT PORT-AU-PRINCE**

HA-T1136

CERTIFICATION

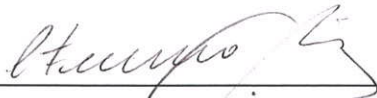
I hereby certify that this operation was approved for financing under the Korean Poverty Reduction Fund (KPR) through a communication dated November 1, 2010 sent by Kangho Lee, director of International Financial Institution Division from the Ministry of Strategy and Finance of Korea. Also, I certify that resources from the Korean Poverty Reduction Fund (KPR) are available for up to US\$360,000 in order to finance the activities described and budgeted in this document. These certification reserves resources for the referenced project for a period of twelve (12) calendar months counted from the date of signature below. If the project is not approved by the IDB within that period, the reserve of resources will be cancelled, except in the case a new certification is granted. The commitment and disbursement of these resources shall be made only by the Bank in US Dollars. The same currency shall be used to stipulate the remuneration and payments to consultants, except in the case of local consultants working in their own borrowing member country who shall have their remuneration defined and paid in the currency of such country. No resources of the Fund shall be made available to cover amounts greater than the amount certified herein above for the implementation of this Operational Input. Amounts greater than the certified amount may arise from commitments on contracts denominated in a currency other than the Fund currency, resulting in currency exchange rate differences, for which the Fund is not at risk.



 Marguerite S. Berger
Chief
Grants and Co-financing Management Unit
VPC/GCM

11/10/10
Date

APPROVAL



Federico Basanes
Chief Division
Water and Sanitation Division
INE/WSA

11/11/10
Date