

United Nations Development Group Iraq Trust Fund

Project #: E3-14

Date and Quarter Updated: 31st December 2010 (4th Quarter)

OPERATIONALLY CLOSED

Participating UN Organisation: N-HABITAT & UNICEF	Sector: Water & Sanitation
Government of Iraq – Responsible Line Ministry: Ministry of Municipalities and Public Works	

Title	Solid Waste Management Project for Iraqi Ministry of Municipalities and Public Works and the Governorate of Basra				
Geo. Location	[Baghdad and Basrah]				
Project Cost	US \$ 6,317,441 (US \$2,396,426 UN-HABITAT share & US \$3,921,015 UNICEF share)				
Duration	18 Months + 24 months extension				
Approval Date	28 June 2007	Starting Date	4 July 2007	Completion Date	04.01.2009 extended until to 31/12/2010
Project Description	<p>Iraq's streets are littered with garbage. Most Municipalities lack effective means of collection and user participation rates where collection systems do exist are low. Existing landfill sites are run with outdated equipment and antiquated operating procedures and new modern landfill sites are desperately needed. Centralized recycling Programmes are non existent. The effective control and handling of solid waste is a major national environmental and public health problem. The Ministry of Municipalities and Public Works (MMPW) through its Municipalities has been charged with the responsibility of addressing this problem.</p> <p>UN HABITAT and UNICEF propose to help the MMPW to carry out its responsibility by implementing a waste management project with two components. The first component will involve strengthening the capacity of the Ministry of Municipalities and Public Works to develop new national level waste management laws, policies and programmes. The second component will comprise the development of an integrated solid waste management master plan for Basrah governorate, rehabilitation/ upgrading the existing landfill site, establishment of demonstration project, procurement of sanitation vehicles/ landfill equipment and capacity building of governorate staff.</p>				

Development Goal and Immediate Objectives
<p>The goal of the project is to contribute to improved public health and environmental conditions in Iraqi cities by assisting the Ministry of Municipalities and Public Works and the Governorate of Basra with the development and implementation of new waste management laws, policies and programmes</p> <p>The key immediate objectives:</p> <ol style="list-style-type: none"> 1. to support national level initiatives by the Ministry of Municipalities and Public Works aimed at developing new laws, regulations, policies and programmes for the management of solid waste and for the decentralization of the delivery of waste management services to the municipal government level 2. to contribute to an effective waste management system in the Basra area

Outputs Key activities and Procurement	
Outputs	<ol style="list-style-type: none"> 1.1 Recommendations for needed changes to existing national and local level waste management laws, regulations, policies and programmes. 1.2 Selected Iraqi officials exposed to waste management best practices from other countries of relevance to Iraq. 1.3 A capacity development and institutional strengthening plan aimed at improving the capacity of MMPW officials to formulate and implement national level waste management laws, policies and programmes designed and implemented. 1.4 A fully equipped waste management department office within the headquarters of the Ministry of Municipalities and Public Works in Baghdad. 2.1 A comprehensive waste management plan prepared for the Basra governorate that documents the existing problems identifies future waste generation rates and recommends solutions for the effective handling of existing and future waste. 2.2 A capacity development and institutional strengthening plan aimed at improving the capacity of

	<p>local authorities in the Basra area to effectively collect and dispose of waste designed and implemented.</p> <p>2.3 Selected demonstration areas and landfill site in Basra equipped with waste collection and disposal equipment.</p> <p>2.4 Residents of Basra area have enhanced awareness of waste management practices.</p> <p>2.5 Existing landfill sites improved and demonstration sites identified and operationalized.</p> <p>2.6 Workshop facilities/ garage in Basrah for the maintenance of sanitation vehicles upgraded.</p> <p>2.7 Waste management offices in Basrah dealing with solid waste rehabilitated and equipped with computers and office equipment.</p>
Activities	<p>1.1.1 Conduct a critical review of all existing national laws, policies, programmes and practises for waste management and develop detailed recommendations for necessary changes and improvements in collaboration with government and external stakeholders. (UN-HABITAT)</p> <p>1.2.1 Conduct a comprehensive review of international best practices in solid waste management and organise study tours for selected Iraqi staff and officials. (UN-HABITAT)</p> <p>1.3.1 Develop and implement a training programme to enhance the capacity of MMPW officials to design and implement new national and local level waste management laws, policies and programmes. (UN-HABITAT/ UNICEF)</p> <p>1.4.1 Furnish and equip an office for waste management staff located in the headquarters of the Ministry of Municipalities and Public Works. (UN-HABITAT)</p> <p>2.1.1 Develop a comprehensive waste management master plan for the Basra governorate. (UNICEF)</p> <p>2.2.1 Develop and initiate capacity development and institutional strengthening measures to enhance the capacity of local authorities dealing with solid wastes in Basra. (UNICEF)</p> <p>2.3.1 Design and conduct public education campaigns in the targeted areas.(UNICEF)</p> <p>2.4.1 Rehabilitate/ develop solid waste disposal sites for demonstration areas. (UNICEF)</p> <p>2.5.1 Upgrade the existing workshops/ garages in Basra. (UN-HABITAT)</p>
Procurement (major items)	<ul style="list-style-type: none"> - New landfill operating equipment and sanitation vehicles for the demonstration project sites purchased (UNICEF) - Municipality offices in Basra dealing with solid waste management rehabilitated and equipped; (UN-HABITAT)

Direct Beneficiaries	Number of Beneficiaries	% of planned (current status)
Men	0.5 Million	Nil
Women		
Children		
IDPs	N/A	N/A
Others	N/A	N/A
Indirect beneficiaries	27 Million	Will be realised after the completion of Master Plan for Basrah governorate and implementation of national level strategy and legal framework.
Employment generation (men/women)	1500 person days	1500 out of total 175,000 person days planned

Situation as of 31/12/2010

Funds Committed	UN HABITAT (\$2,396,426) UNICEF (\$ 3,920,952)	% of approved	UN-HABITAT- 100% UNICEF – 100%
Funds Disbursed	UN HABITAT (\$2,181,737.90) (final disbursement figures will be available by 31st March 2011) UNICEF (\$3,113,920)	% of approved	UN-HABITAT- 91% UNICEF – 79,4%
Forecast final date	31 st December 2010	Delay (months)	24 months

Quantitative achievements against objectives and results			
Output 1.1 UN-HABITAT	Consulting report on short term actions required to implement the national waste management master plan completed. Preparation of draft national Waste Management Law and consulting report on implementation of new laws, regulations and policies completed.	% of planned	100%
Output 1.2 UN-HABITAT	Two technical training courses were held in Egypt during October and December 2009 as part of the plan to expose Iraqi officials to best practices and implement the capacity development and institutional strengthening plan. The first training course was on Integrated Waste Management while the second on Hazardous Waste Management. Materials were presented in the Project Closing Ceremony which took place in July 2010.	% of planned	100%
Output 1.3 UN-HABITAT	Draft capacity development and institutional strengthening plan for enhancing the capacity of MMPW was developed. As part of the above plan immediate training needs were identified and used as the basis for training of Municipal Staff under this project. Results of the training were presented at the Project Closing Ceremony which took place in July. Results showed that training materials had been well captured by the participants.	% of planned	100%
Output 1.4 UN-HABITAT	Decision made in 2008 to assign funds for equipment and furniture to achieve more substantial improvement in admin unit in Basrah. Equipment was procured and handed over.	% of planned	100%
Output 2.1 UNICEF	Final version of Solid Waste Management Master Plan has been finalized by the consulting firm. Basrah Municipality has confirmed receiving the final document and all of their comments have been considered in the final version.	% of planned	100%
Output 2.2 UNICEF	Five training courses have been conducted in Erbil/Iraq including one Training of Trainers.	% of planned	100%
Output 2.3 UNICEF	Procurement of essential supplies is finalized. Delivery of truck loader and weighbridge is done. Other supplies (four semi trailers and three compact trucks) are also delivered.	% of planned	100%
Output 2.4 UNICEF	Public awareness activities have been elaborated in the Draft Final Master Plan. Three workshops on waste management practices have been conducted in Erbil and Basrah.	% of planned	100 %
Output 2.5 UNICEF	Construction of Admin Building and Fence in Basrah disposal site has been completed. Earth works in Disposal site is completed. Construction of Basrah landfill is executed including cutting and backfilling earth soil. Continue implementing concrete leachate tank and installing generator steel shad. Start constructing roofing frame work for concrete tanks and start painting concrete tanks with three coats of epoxy paints. Assembling, operation and calibration of weighbridge is still under processing at Basrah Municipality Directorate.	% of planned	90%
Output 2.6 UN-HABITAT	The construction of SWM 2nd workshop for vehicle maintenance was completed.	% of planned	100%
Output 2.7 UN-HABITAT	The Construction of new administration building was completed. Construction work of parking lot at Basrah Municipality Premises was completed IT equipment and furniture were provided to the Solid Waste Management Admin Office in Basra IT equipments were delivered for the MMPW – Directorate of Solid Waste Management in Baghdad	% of planned	100%

Qualitative achievements against objectives and results

As part of the overall objective of the project, the Draft Iraq Waste Management Law and Final Master Plan for the Integrated Solid Waste Management (SWM) in Basrah were completed. A committee within the MMPW completed the review of the Waste Management Law, which is now ready for endorsement. In addition a number of detailed documents – Capacity Development & Institutional Strengthening Plan; Equipment Procurement Plan and Disposal Site Upgrading Plan were completed. The above documents formed the basis for prioritising training of municipal staff, procurement of vital supplies/ equipment and the upgrading of landfill site.

Lessons learnt through the training sessions and preparation of the SWM Law were presented and reviewed at a 2 day Project Closure Meeting. The programme achievements were reviewed against international best practices.

Basrah component

- The final version of the master plan in Arabic was shared with the government for review and comments. The government has accepted the document and confirmed that all of their comments have been considered.
- Construction of administration building, workshop for vehicle's maintenance, parking lot and fence has been completed.
- Survey and Soil investigations for the landfill site have been completed. Construction of landfill is ongoing with 40% implemented work complete.
- Public awareness campaigns on waste management practices have been conducted in Erbil and Basrah.
- Procurement of specialized equipment is completed.

Main implementation constrains & challenges (2-3 sentences)

It was a challenge to ensure high level discussion of the proposed Draft Waste Management legislation and nomination of appropriate officials for this purpose. Contracting works associated with the vehicle workshops in Basra progress was constrained by the quality of local contractors.

Regarding implementation of the Basrah component

- Delayed provision of data and un-duly long time taken by the government to nominate participants to training programs affected timely submission of deliverables.
- Issuing Visas for Iraqi official faced a considerable delays and rejections.
- Belated decision on the location of site for the landfill upgrade has affected timely submission of the Disposal Site upgrade plan and consequently delayed its implementation.
- Slow progress from contractor on rehabilitation work.