



United States Agency for
International Development



Ministry of Water
Resources and Irrigation

**LIFE Integrated Water Resources Management
Task Order No. 802
EPIQ II: Contract No. EPP-I-802-03-00013-00**

Quarterly Report
Year 2: 1st Quarter
(October - December 2005)
Report No. 23

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IRG International Resources Group

In association with EPIQ II Consortium

QUARTERLY REPORT
Year 2: 1st Quarter
(OCTOBER - DECEMBER 2005)

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I. SUMMARY

International Resource Group (IRG) under the USAID/Egypt funded Livelihood and Income from the Environment (LIFE) Integrated Water Resources Management Project (Contract No. EPP-I-802-03-00013-00 Task Order 802) is responsible for assisting the Government of Egypt (GOE) to promote integrated water resources management. The period of performance of the project is from October 1, 2004 to September 30, 2008.

The purpose of this report is to present the status and performance of LIFE IWRM for Year 2 (2005/2006) 1st Quarter covering the period from October – December 2005. The quarterly report has the following content: summary of project activities and accomplishments for this quarter, planned activities for the following quarter, problems and issues, staff level of effort, status of finance and expenditures, and list of reports.

A summary of the activities for the quarter follows:

USAID participated in a number of visits to review project activities:

- Ramadan IFTAR was held with H.E. Minister MWRI; Steering Committee; USAID (Gary Robbins, Eng. Wafaa Faltaous); IWMU (Eng. Gamil Mahmoud & staff); LIFE IWRM TA team in Cairo on 19 October.
- A field visit was conducted by USAID staff: Mr. Anthony Vance, Mr. Jim Harmon, Mr. Gary Robbins, and Eng. Wafaa Faltaous; MWRI Staff: Eng. Gamil Mahmoud and Eng. Mohamed Hamed; and LIFE IWRM: Dr. Wadie Mankarious to the Dual Biological Aerated Filter (DBAF) facility in Hawamdia village, Giza on October 25, 2005.
- Gary Robbins (USAID) visited Qena on 31 October. He visited the LIFE regional office in Qena; met with the irrigation Undersecretary for Qena; visited Qena IWMD; visited Luxor IWMD; and met with members of a Luxor IWMD BCWUA.
- Eng. Wafaa Faltaous (USAID) visited Ibrahimiya IWMD on 22 December. She was accompanied by Eng. Gamil Mahmoud (IWMU), Dr. Fatma Abdel Rahman, (MWRI Water Boards Project), Senior Directorate MWRI staff, and Life IWRM Lower Egypt staff. They visited the office of the IWMD and met with members of the District's BCWUAs.

Annual Workplan for Year 2 was approved by USAID, MWRI, and EEAA.

Annual Report documenting work done in Year 1 was submitted to USAID.

The 23 new IWMDs are fully functioning. The total number of IWMDs including those formed under RSC/WP is now 27 and includes all the Districts in the 5 target Directorates. Three of the 27 IWMD managers and 25% of the section heads are women. All admin and technical staff have been officially assigned to the IWMDs.

Monthly coordination meetings with Undersecretaries, General Directors, and IWMD managers were held for all target Directorates. IWMD managers prepared monthly reports on IWMD activities for their General Directors.

All 175 BCWUAs targeted for Year 1 in 8 Districts have been formed. The Boards have been elected and confirmed through MWRI decrees. Ceremonies were held for the signing of 175

MOUs between the new BCWUAs and the MWRI. These MOUs define the responsibilities of both parties. Strengthening activities were started for these newly established 175 BCWUAs and were continued for the 97 BCWUAs in the original 4 IWMDs.

Data collection and canal grouping for BCWUA formation was completed in the remaining 16 IWMDs. It is estimated that 350 BCWUAs will be formed in these Districts.

Procurement, delivery, and transfer of IWMD computer and office equipment have been completed. Water level, Complaints, and Violation databases were installed at each IWMD. An Information System Assessment on Year 1 activities was prepared.

The water monitoring/discharge measurement program continued at 86 sites in the 27 IWMDs. The measurements will be used to develop flow discharge calibration equations to measure actual irrigation water being supplied to the districts.

The implementation of the “Matching Irrigation and Supply and Demand (MISD)” program was initiated. Software was installed and training conducted. This activity collects data biweekly from the Ministry of Agriculture on crops and cropping patterns for use in determine actual irrigation water requirements over time.

The Task #4 Final Report “Assessment of Egyptian Farmer’s Need for Improved Maintenance of Irrigation Equipment & Training to Manage Water Users’ Associations” was completed and submitted to USAID.

Activities continued in Senbo Village, Gharbiya Governorate, the pilot area selected for demonstrating environmental services for improving water quality management. Key stakeholders have been identified; a socio-economic baseline survey conducted; and solid and liquid waste alternatives investigated. The water quality monitoring program is on-going. Design reports for ag waste and liquid waste pilot interventions were completed. Sinbo Community Development Authority (CDA) has committed land for the waste water treatment plant. Request for quotations were issued to four firms for the construction of the waste water treatment facility. H.E. Minister MWRI made a visit to Senbo and sent a letter to the Governor of Gharbiya requesting that the land for the wastewater treatment facility be reclassified from agricultural to public utility land.

Year 2 wastewater reuse work plan was approved by USAID and EEAA. The Luxor Demo site was surveyed and basic data collected. Crops were selected. Environmental Monitoring Report was prepared. The installation of the irrigation system was completed and crops planted. Five agricultural graduates were appointed to support the field activities. Two of them are females.

Eleven persons are being sponsored for M.Sc. Graduate Degree Training. Two persons are attending Utah State University, USA, in irrigation and hydraulic engineering. Two persons are attending American University Cairo in environmental engineering. Seven persons are attending local universities.

A 45 page, illustrated flip-book, communication tool kit “Discussion Guide to Share with Water Users” with accompanying CD was prepared to support formation of BCWUAs. Over 150 copies were delivered to IWMD BCWUA training teams. The Integrated Water Resource video and CD were distributed to the Regional & District offices. The Farmer Participation

video entitled "Start with Your Selves" was completed. An additional 1,000 Project Overview brochures in English and Arabic were distributed. USAID approved revised letter head and name card format in accordance with new USAID branding requirements.

Report on Farmer Baseline Survey was completed. Baseline conditions in each of the Project IWMDs were evaluated. A Monitoring and Evaluation Report for Year 1 was prepared.

The project conducted 17 training events during the quarter with over 800 trainees (10% female).

II. ACCOMPLISHMENTS DURING THE REPORT PERIOD

Task 1: Formation of Integrated Water Management Districts

Eric Viala (LTTA, Expatriate Water Resources Management Specialist) is coordinator for this task. Eng. Nabil Fawzi (LTTA, Local Water Resources Management Specialist) is assigned as Regional advisor for Upper Egypt. He is supported by Eng. Yehia Youssef (IWMU). Eng. Maher Khodary (LTTA, Water Resources Management Specialist) is assigned as Regional Advisor for Lower Egypt. He is supported by Eng. Mohamed El Hamrawy (IWMU). Activities carried out during the report period by LIFE IWRM team included:

- Updating of violations and complaints databases (ongoing).
- Implementation of training activities on the complaints database for IWMD staff in both Lower Egypt directorates.
- Monthly coordination meetings were held with MWRI managing staff (Undersecretaries, General Directors, and IWMD managers) within the five target directorates to disseminate information, monitor progress, discuss upcoming steps, identify roadblocks, and share experiences.
- Support to preparation by IWMD managers of monthly reports to be submitted to their General Directors (ongoing).
- Support to the establishment of a training room in each IWMD (ongoing).
- Support to assignment and definition of responsibilities of all technical and administrative staff in the IWMDs (ongoing).
- On Dec 11-12-13, Eng. Gamil (IWMU), and Dr Jeff Fredericks (LIFE IWRM) visited the Aswan directorate and several of the IWMD facilities. They assessed the performance of IWMD staff and progress notably regarding Task 2 activities.
- On Dec 22, Eng. Gamil (IWMU), Eng. Wafaa Faltaous (USAID CTO) and Dr. Fatma (Water Boards Project) visited Ibrahimiya IWMD to assess progress and performance of BCWUA activities.

Task 2: Formation of Branch Canal Water Users' Associations

Eric Viala (LTTA, Expat Water Resources Management Specialist) is coordinating this task with assistance from Eng. Moamen Mohamed Said El Sharkawy (IWMU) and Eng. Amira Abdel Hady (IWMU). Dr. Khaled Wassief (MWRI) has taken a one-year leave from MWRI and has been hired as full-time consultant to provide technical support. Activities carried out during the report period by LIFE IWRM team included:

- Support to signing of MOUs between MWRI and newly established BCWUAs in 8 IWMDs targeted for BCWUA establishment during Year 1.
- Updating of training courses and material for BCWUA activation (ongoing). Preparation of activation training activities for the 8 IWMDs.
- Implementation of On-the-Job training activities to support holding of regular IWMD-BCWUA meetings in the 11 IWMDs where BCWUAs already exist (ongoing).
- Finalization of Internal Regulations for all BCWUAs in 4 initial IWMDs.
- Support to assignment of Water Advisory staff in each of the 16 remaining IWMDs (i.e. IWMDs without BCWUAs). This staff will focus on BCWUA establishment and activation.

- Preparation and dissemination of Discussion Guide Field Manual to support IWMD staff during BCWUA establishment activities.
- Implementation of training activities on the BCWUA establishment process for IWMD-WA staff in 14 of the 16 IWMDs targeted during Year 2 (last 2 IWMDs to be trained in January).
- Implementation and completion of On-the-Job training activities for the collection of data for BCWUA establishment in these 16 IWMDs.
- Preparation of BCWUA initiation decrees for all 16 IWMDs. These decrees will be presented to H.E. the Minister for signature.

Task 3: Equitable Allocation of Water Resources

Eric Viala (LTTA, Expat Water Resources Management Specialist) is coordinator for this task with assistance from Eng. Alaa Abbas (IWMU), Eng. Mohamed Hamed (IWMU), Eng. Hisham Shehab (IWMU), and Dr. Mohamed Rami Mahmoud (MWRI). Dr. Ragab Ali Abdel Azim (MWRI) has taken a one-year leave from MWRI and has been hired as full-time consultant to provide technical support. Dr. Tom Sheng (IRG) provides short-term technical assistance. Activities carried out during the report period by LIFE IWRM team included:

- Implementation of MISD training activities for IWMD staff in all five target directorates.
- Implementation of On-the-Job training activities for flow monitoring of main inflow/outflow in all IWMDs.
- Finalization of 1/25,000 digital base maps for all IWMDs in Zifta directorate.
- Preparation of 1/25,000 digital base maps for all IWMDs in four other target directorates (ongoing).
- Updating of water levels database (ongoing).
- Implementation of training activities on the water levels database for IWMD staff in both Lower Egypt directorates.
- Preparation of training activities for groundwater and water quality monitoring.
- Procurement of equipment for groundwater and water quality monitoring.
- Preparation of training activities on calibration of inflow/outflow points in all IWMDs.
- Support to computer maintenance in all IWMDs (ongoing).

Task 4: Improved Maintenance and Upgrading of Water Management Equipment

Dr. Wadie Fahim Mankarious (IRG), Senior Organization/Institutional Development Specialist, is coordinator for this task. The purpose of this Task is to assess the capacity of the Governorate technical schools administered by the Central Department of Technical Education within the Ministry of Education (MOE) to provide training in the repair and maintenance of agriculture and irrigation tools and equipment and in business management. The assessment was conducted and a report submitted to USAID in September 2005.

Task 5: Environmental Services for Improving Water Quality Management

Dr. Wadie F. Mankarious (IRG) is coordinator for this task. Eng. Mohamed Hamed (IWMU) is coordinating this task for MWRI/IWMU. They are being assisted by Dr. Mohamed El-Hussaini (Waste Water Treatment Consultant) and Dr. Sherif M.A. El-Didy (Groundwater Consultant).

Activities carried out during the report period by LIFE IWRM team included:

- A field visit was conducted by USAID staff: Mr. Anthony Vance, Mr. Jim Harmon, Mr. Gary Robins, and Eng. Wafaa; and MWRI Staff: Eng. Gamil Mahmoud and Eng. Mohamed Hamed to the Dual Biological Aerated Filter (DBAF) facility in Hawamdia village, Giza on October 25, 2005. During the visit Eng. Gamil requested from Mr. Vance USAID financial support to implement the DBAF facility in Senbo Village, Zifta which is the LIFE-IWRM Task 5 Pilot area.
- Dr. Hussieni was hired to assist with preparation of the design, tender documents, and technical drawings for the DBAF wastewater treatment facility for Senbo Village.
- A quotation for implementing the DBAF facility in Senbo was prepared, approved and published in Ahran Newspaper. Four contractors out of 17 were selected through pre-qualification screening. The request for quotations (RFQ) was sent to the four selected contractors to submit their proposals.
- LIFE-IWRM team and Eng. Gamil, IWMU visited Senbo village and met with the CDA and BCWUA Board members. CDA/BCWUA requested project support to get approval for reclassification of the land to be used for the DBAF waste water treatment plant (350 m²) from agricultural land to public utility land.
- H.E. Minister Dr. Mahmoud Abu Zied signed a letter addressed to the Governor of Gharbiya requesting him to approve reclassification of the 350 m² from agricultural land to public utilities land.
- A proposal to USAID was prepared and submitted to leverage Coca Cola grant funds for construction and equipment for the Senbo Liquid Waste Water Treatment Pilot.
- Water quality sampling for Senbo Canal and Damnhore El Wahsh Drain continued. Sampling is being carried out by MWRI Central Water Quality Laboratory.
- Dr. El-Didy, Groundwater Consultant, was hired by LIFE to design the monitoring system for the impacts on the groundwater in the pilot village before and after implementation of the DBAF treatment plant.

Task 6: Improved Wastewater Reuse Practices

Dr. Wadie Fahim Mankarious (IRG), is coordinator for this task. He is assisted by Eng. Mohamed Hamed (IWMU). Short term technical assistance is also being provided by Eng. Ayad Thapet Kariakos (ECODIT-Demo site coordinator), Eng. Ahmed El Behery (Irrigation Design Consultant), Eng. Awad Shafik (Demo Site Manger Consultant), Eng. Abd El-Aziz Mohamed Fathy (Irrigation System Field Implementation Engineer Consultant), and Dr. Sherif M.A. El-Didy (Groundwater Consultant). Karim El-Jisr (ECODIT) is providing expat short-term technical assistance. Activities carried out during the report period by LIFE IWRM team included:

- Karim El-Jisr, ECODIT Environmental Specialist and Agricultural Eng (Expatriate STTA), carried out two assignments in October and November 2005, to prepare the Environmental Monitoring Plan and Irrigation Crop Management Plan.
- The design of the irrigation system and pumping unit from the lagoon ponds of the Luxor WWTP was prepared by Dr. Behery and approved by EEAA and USAID. A design report was submitted.
- Quotations were sent to vendors and purchase orders were issued for construction of the irrigation system.
- Main irrigation system was installed to serve 9 feddans. Drip system was installed to serve 7 feddans.
- Construction of the pump house, guard house, and guest/technician house is on-going.

- Final version of Environmental Monitoring Plan (EMP) report was issued.
- Preparation of the Irrigation Crop Management Plan (ICMP) is in progress
- The crops Jojoba, flax and jatropha were planted.
- Five agricultural graduates were appointed to the field work. Two of them are females.

Task 7: Graduate Degree Training

Dr. Ibrahim Ellassiouti (LTTA, Deputy Chief of Party) is coordinator for this task. He is being assisted by Dahlia Hamdy (LTTA, Training Coordinator). Activities carried out during the report period by LIFE IWRM team included:

- Monitored status and progress of all trainees (two at Utah State University in USA, two at American University in Cairo, two at Cairo University, four at Ain Shams University and one at Helwan University).
- Provided financial and logistical support for US Institution Trainees.
- Designed and oversaw procedures for the selection of additional trainees.

Monitoring and Evaluation

Dr. Ibrahim Ellassiouti (LTTA, DCOP) is coordinator for this component. Eng. Alaa Abbas (IWMU) is providing local STTA support. Dr. Mark Svendsen (DAI) is providing expatriate STTA support. Activities carried out during the report period included:

- Refined Monitoring and Evaluation data reporting system.
- Completed computation of Baseline indicator values of all indicators in the M&E plan, with emphasis on those values which could not be computed during year 1 of the project.
- Assembled relevant secondary M&E data from all project IWMDs.
- Revisited M&E plan approved by USAID to support the mission strategic objectives.

Education, Communication, Public Awareness and Participation

Ms. Cheryl Groff (AED), Sr. Education, Communication, Public Awareness and Participation Specialist, is coordinator for this task. Dr. Hisham Ali Mustafa (MWRI) provided STTA support. Four members of the MWRI Water Communication Unit staff have been engaged in various cross-cutting communication activities including planning, shooting and editing video, still photography, writing, and design for program materials. Activities carried out during the fourth quarter of the LIFE IWRM project by the communications team included:

- An additional 1,000 copies of the Project Overview Brochure were printed and made available for distribution as needed.
- A Year 2 communication plan and matrix of proposed communication and public awareness products was developed and circulated among the technical team to determine priorities.
- The Annual Workshop Report was written and submitted.
- The Farmer Participation video entitled "Start with Your selves" presented during the Annual work plan workshop in Alexandria, was subsequently revised and approved for use and duplication. The Arabic version is being used in all Task II training events. Dubbing, cover design, labeling, packaging, and the subtitling of the English version are underway.

- Education, Communication, Public Awareness and Participation portions of the Annual Report were drafted and submitted
- A flip-book and CD with samples of all print materials produced during Year One was assembled as part of the annual reporting process. 10 Sets were produced and distributed.
- Video footage and still images of the Task #6 site were taken for use in later productions on the activity. Discussions are also underway regarding potential need for health & safety messages for users of reused water.
- A field visit to Senbo was conducted to discuss a public awareness event linked with the opening of the DBAF water treatment facility and the development of a campaign to increase subscription to the new solid waste collection scheme.
- The photo archive was managed and duplication of various collections produced as needed for use by USAID and other partners.
- 1,000 IWRM campaign mugs were produced and distributed.
- Based upon the USAID branding manual the project business cards and letterhead were redesigned, submitted to USAID for approval, and reprinted.
- Primary focus this quarter was the development of the communication tool kit or “Discussion Guide” to support field staff as they introduce water users to BCWUAs and the benefits of participation. A standing flip-book presentation binder was custom made and 150 were produced and delivered. Both the English and Arabic texts supported by a combination of illustrations and photographs were extensively reviewed and approved. Ninety Arabic Discussion Guides were printed and have been distributed to field teams in IWRM Districts. Fifteen English copies are in print production.
- BCWUA campaign logo and slogan were developed, approved, and applied in design of hats and glasses.
- A BCWUA Campaign Calendar for 2006 was designed and approved for production.
- The IWMD booklet, due to substantial changes in program implementation, was reviewed and substantially enhanced with additional content. The revised Arabic text is in the review and approval process.
- The four Governorate Public Awareness events were postponed due to the elections, but planning is underway. An agenda has been submitted to the MWRI for consideration and determination of appropriate dates for implementation. A draft Arabic power-point presentation has been completed and is in the review and approval process.
- The project web-site was maintained.

Training

Dahlia Hamdy (LTTA, Training Coordinator) is coordinator for this component.

Activities carried out during the report period by LIFE IWRM team included:

- Prepared, coordinated, and followed up with the regional offices in Lower & Upper Egypt for all project related training programs.
- Monitored status and progress of all trainees (two at UTAH State University in USA, two at American University in Cairo, two at Cairo University, four at Ain Shams University and one at Helwan University).
- Provided financial and logistical support for US Institution Trainees.

The following table shows the number of participants which have been trained under the project through the end of the reporting period.

Total to Date			Quarterly Total (Without OJT)		
Total	Male	Female	Total	Male	Female
2557	2149	408	822	735	87

Training conducted during the reporting period is listed below:

No	Code	Event	Date	Venue	No. of days	No. of Part	Female No.
1	3.7.1	MISD Program	Nov. 14-16	W. Sharkiya	3	17	6
2	2.1.1	Introduction Workshop	Nov. 22-23	Zagazig	2	20	2
3	3.7.2	MISD Program	Nov. 21-23	Qena	3	17	6
4	2.1.2	Introduction Workshop	Nov. 26-27	Qena	2	17	4
5	3.7.3	MISD Program	Nov. 28-30	Zifta	3	17	7
6	2.1.3	Introduction Workshop	Nov. 28-29	Qena	2	20	4
7	2.1.4	Introduction Workshop	Nov. 30-Dec.1	Aswan	2	25	2
8	3.7.4	MISD Program (Qous, Nagada, Luxor, Esna, Armant)	Dec. 5-7	Qena	3	16	4
9	2.2.1	Preparation Workshop (Kafr Sakr, Awlad Sakr)	Dec. 10-13	Zagazig	4	31	3
10	2.2.2	Preparation Workshop (El Santa, North Zifta)	Dec.11-14	El Mahla	4	23	3
11	3.23.1	ERDAS GIS	Dec. 17-19-21-24 & 28	MWRI, Cairo	5	6	2
12	2.2.3	Preparation Workshop (Qous, Naqada)	Dec. 19-22	Qena	4	32	2
13	2.2.4	Preparation Workshop (Nagaa Hamadi, Abo Tesht)	Dec. 19-22	Qena	4	32	2
14	3.7.5	MISD Program (W. Edfo, E. Edfo, Elsayda, El Selsela)	Dec. 19-22	Aswan	4	13	1
15	3.17.1	Water Level & Complaints DB	Dec. 19-20	Zifta	2	16	9
16	3.17.2	Water Level & Complaints DB	Dec. 21-22	Zagazig	2	16	9
17	3.7.6	MISD Program (Aswan, Kom Ombo, El Naqra, ElTweissa)	Dec.25-27	Aswan	4	13	1

Procurement

Mahmoud Said, (LLTA Procurement Coordinator) is responsible for this activity. Activities carried out during the report period by LIFE IWRM team included:

- Life of Project (LOP) Procurement Plan was updated for Year 2. The plan was approved by USAID and MWRI.
- Continued preparation of specifications and procurement of project equipment.
- Successfully installed and transferred all supplied equipment to MWRI.

The status of the commodity procurement program is presented below:

Project Office Setup/Equipment (Cairo and Regional Offices)

No	Item	Qty	Source	Status
Office Set-Up and Equipment				
0-1	Cairo Office Set-up	1	Local	Delivered
0-2	Regional Office Set-Up	2	Local	Delivered
0-3	Telephone System Cairo Off	1	Local	Delivered
0-4	Telephone System - Regional Off	2	Local	Delivered
0-5	Fax - Cairo Office	1	Local	Delivered
0-6	Fax - Regional Office	2	Local	Delivered
0-7	Photocopier - Cairo Office	1	Local	Delivered
0-8	Photocopier - Reg. Office	2	Local	Delivered
Computer Equipment				
0-9	Cairo Office LAN	1	Local	Delivered
0-10	Regional Office LAN	2	Local	Delivered
0-11	Desktop computer (local)	9	Local	Delivered
0-12	Desktop computer (US)	8	US	Delivered
0-13	Uninterrupted Power Supply	17	Local	Delivered
0-14	Notebook Computer (local)	4	Local	Delivered
0-15	Notebook Computer (US)	4	US	Delivered
0-16	Small scanner	3	Local	Delivered
0-17	Document scanner	1	US	Delivered
0-18	A3/A4 Network printer	1	Local	Delivered
0-19	Desk-top network printer	6	Local	Delivered
0-20	Stand-alone printer	5	Local	Delivered
0-21	AO Printer	2	Local	Delivered
0-22	Color ink-jet printer	4	Local	Delivered
0-23	USB Flash Memory Stick	20	Local	Delivered
0-24	External Hard Drive	3	Local	Delivered
0-25	Tape backup Drive	1	Local	Under Review
Training Equipment				
0-26	Overhead Projector	3	Local	Delivered
0-27	VCR	3	Local	Delivered
0-28	Digital Video Camera	1		Under Review
0-29	Data Projector	3	Local	Delivered
0-30	Projector Screen	3	Local	Delivered
0-31	Flip Chart Stand	6	Local	Delivered
0-32	Digital Camera, small	4	US	Delivered
0-33	Digital Camera, High Quality	1	US	Delivered
0-34	TV Monitor	3	Local	Delivered
0-35	Receiver	1	Local	Delivered

Performance Requirement I: Decentralized Management of Water Resources

	Item	Qty	Source	Funding	Status
1	District Computer Equipment and Peripherals Set				
1-1	Standard Computer	60	Local	EGP	Delivered
1-2	Database Computer	41	Local	EGP	Delivered
1-3	GIS Mapping Computer	8	US	US\$	Delivered
1-4	Notebook	4	US	US\$	Delivered
1-5	Color Printers	31	Local	EGP	Delivered
1-6	Laser Printer	38	Local	US\$	Delivered
1-7	A4 Scanner	23	Local	US\$	Delivered
1-8	A3 Scanner	8	US	US\$	Delivered
1-9	USB Flash Memory	32	Local	US\$	Delivered

	Item	Qty	Source	Funding	Status
	(256 MB)				
1-10	USB Hard Drive	20	US	US\$	Delivered
1-11	Smart UPS	103	Local	EGP	Delivered
1-12	Stabilizers	97	Local	EGP	Delivered
1-13	Tables	85	Local	EGP	Delivered
1-14	Chairs	85	Local	EGP	Delivered
2	District Office Equipment Set				
2-1	Small Photocopier	23	Local	US\$	Delivered
2-2	Stabilizers	23	Local	US\$	Delivered
2-3	Fax Machine	23	Local	EGP	Delivered
2-4	Air-conditioning	28	Local	US\$	Delivered & Installed
3	District Training Equipment Set				
3-1	Flip Charts Stands	28	Local	US\$	To be supplied after rehab of a Tng. room
3-2	TV Sets	23	Local	US\$	To be supplied after rehab of a Tng. room
3-3	VCRs	23	Local	US\$	To be supplied after rehab of a Tng. room
3-4	Data Show	2	Local	US\$	Delivered
3-5	Notebook Computer	2	US	US\$	Delivered
3-6	Projector Screens	2	Local	US\$	To be supplied after rehab of a Tng. room
3-7	Digital Camera, High quality	3	US	US\$	Delivered
3-8	Furniture	32	Local	EGP	To be supplied after rehab of a Tng. room
3-9	Pin Board	6	Local	US\$	Delivered
3-10	White board	23	Local	US\$	Delivered
3-11	Digital Cameras	43	US	US\$	Delivered
3-12	Sound System	7	Local	EGP	To be supplied after rehab of a Tng. room
4	District Internet Access and LAN Installation				
4-1	HUB	35	Local	US\$	Delivered
4-2	DSL Modem	35	Local	US\$	On-hold; subject to review
5	District Mapping Equipment Set				
5-1	Paper Maps Scale 1:50,000	3	Local	US\$	Delivered
5-2	Paper Maps Scale 1:25,000	3	Local	US\$	Delivered
5-3	Paper Maps Scale 1:2,500	1	Local	US\$	On-hold; subject to review
5-4	GPS	64	US	US\$	Delivered
5-5	Digital Maps	500	Local	US\$	On-hold; subject to review
5-6	Satellite imagery	1	US	US\$	Delivered
6	District Water Monitoring Equipment Set				
6-1	Fiber Glass Boats	30	Local	EGP	Delivered
6-2	Current Meters	10	Local	US\$	Provided by MWRI
6-3	Winches + Taglines (Depth meter)	41	Local	US\$	Delivered
6-4	Winches + Taglines (Bank to bank)	41	Local	Local	Delivered
6-5	Stop watches	41	Local	US\$	Delivered
6-6	Head phones	41	Local	US\$	Delivered
6-7	Weights	41	Local	US\$	Delivered
6-8	Data logger with GSM Modem	2	US	US\$	1 Delivered
6-9	Gate position sensor	10	US	US\$	Year 2
6-10	Water level sensor (Pulse)	5	US	US\$	Year 2
6-11	Pump Monitoring sensors with accessories	20	Local	US\$	Year 2
6-12	PDA Communicators	10	US/Local	US\$	2 only delivered

	Item	Qty	Source	Funding	Status
7	Directorate Water quality equipment Set				
7-1	Portable TDS	26	US	US\$	Supplied; to be Delivered
7-2	PH Conductivity Do TM	29	US	US\$	Supplied; to be Delivered
7-3	Portable Turbidity Meter	6	US	US\$	Under review
7-4	Connection to Computer	29	US	US\$	Supplied; to be Delivered
7-5	Software for Computer Interface	1	US	US\$	Supplied; to be Delivered

Performance Requirement II: Stakeholder Engagement in Water Resources Management

Task 5: Environmental Services for Improving Water Quality Management					
Pilot Liquid and Solid Waste Projects					
No.	Item	Source	Funding	Status	
5.1	DBAF Wastewater Treatment Unit	Local	EGP	RFP Issued	
5.2	Shredder (Ag. Recycling)	Local	EGP	Specifications prepared; under review	
5.3	Tractor and trailer (Min 70 HP)	Local	EGP	Specifications prepared; under review	
5.4	Small Water Pump	Local	EGP	Specifications prepared; under review	
Task 6: Improved Wastewater Reuse Practices					
Luxor Wastewater Reuse Demonstration Site					
No.	Item	Source	Funding	Status	
6.1	Pump Unit and accessories (pipes, tank, and valves)	Local	EGP	Delivered	
6.2	Filters (Gravel and Sand)	Local	EGP	Delivered	
6.3	Drip System irrigation net Work (PVC Pipes, PVC Fittings, laterals, drippers and others)	Local	EGP	Delivered	
6.4	Connections and meters	Local	EGP	Delivered	
6.5	Civil Work	Local	EGP	Delivered	
6.7	Agr. Inputs	Local	EGP	Delivered (Winter 2005 crops)	

III. ACTIVITIES PLANNED FOR NEXT QUARTER

Task 1: Formation of Integrated Water Management Districts

The following activities are planned for the next quarter:

- Preparation of the Management/Communications training activities for IWMD managing staff.
- Preparation of the Integrated Maintenance training activities for IWMD staff.
- Monthly coordination meetings with MWRI managing staff (Undersecretaries, General Directors, and IWMD managers) within the five target directorates. Dissemination of information, monitoring of progress, discussion on upcoming steps, identification of roadblocks, sharing of experiences (ongoing).
- Support to assignment and definition of responsibilities of all technical and administrative staff in all IWMDs (ongoing).
- Updating of monthly report template and support to preparation by IWMD managers of these reports to be submitted to their General Directors (ongoing).
- Implementation of training activities on the complaints database for IWMD staff in Upper Egypt directorates.
- Implementation of training activities on the violations database for IWMD staff in all target directorates.
- Installation in all IWMDs of updated violations and complaints databases.

Task 2: Formation of Branch Canal Water Users' Associations

The following activities are planned for the next quarter:

- Implementation of training activities on BCWUA activation for the 8 IWMDs where BCWUAs were established during Year 1.
- Implementation of On-the-Job training activities to support preparation of Internal Regulations, Branch Canal action plans, and BC maintenance priorities in the 11 IWMDs where BCWUAs already exist.
- Implementation of training activities on the BCWUA establishment process for IWMD staff in the last 2 of the 16 IWMDs targeted during Year 2.
- Implementation of On-the-Job training activities for canal grouping, WU awareness, identification of WU Representatives, and Board elections in these 16 IWMDs.
- Support to signature by H.E. the Minister of BCWUA initiation decrees for these 16 IWMDs.

Task 3: Equitable Allocation of Water Resources

The following activities are planned for the next quarter:

- Dr. Tom Sheng's (Expat STTA) next visit is scheduled for February 2006.
- Finalization of 1/25,000 digital base maps for all IWMDs in five target directorates.
- Preparation of training activities on digital mapping and on GIS.
- Implementation of formal and On-the-Job training activities on groundwater & water quality monitoring for IWMD staff in all target directorates.
- Installation of updated water level database
- Implementation of training activities on the water levels database for IWMD staff in Upper Egypt directorates.
- Updating of flow monitoring network in all IWMDs (to include drains).

- Implementation of training activities on calibration of inflow/outflow points for IWMD staff in all five target directorates.
- Continuing support for computer maintenance in all IWMDs.

Task 5: Environmental Services for Improving Water Quality Management

The following activities are planned for the next quarter:

- Begin field construction of DBAF in Senbo.
- Continue the water quality monitoring program.
- Initiate a public awareness program on wastewater and agricultural waste management
- Continue building capacity of CDA and BCWUA as required supporting the pilot project.

Task 6: Improved Wastewater Reuse Practices

The following activities are planned for the next quarter:

- Complete plantation of the remaining crops.
- Complete construction of civil works.
- Finalize crop selection with EEAA and MALR.
- Implement Environmental Management Plan (EMP).
- Finalize Irrigation and Crop Management Plan (ICMP).
- Continue collection and analyses of soil, groundwater, and effluent samples.
- Continue Class-Training and OJT of the selected graduates.
- Work with MSEA/EEAA and MALR for transferring of the installed field equipment from LIFE to the approved agency.

Task 7: Graduate Degree Training

The following activities are planned for the next quarter:

- Continue monitoring status and progress of all trainees.
- Continue providing financial and logistical support for trainees.

Monitoring and Evaluation

The following activities are planned for the next quarter:

- Dr. Mark Svendsen, Exp. STTA, next visit is scheduled for February 2006.
- Coordinate with the information systems team to refine and regularize the IWMD information system to assemble, process, store, and report data useful to managers at various levels.
- Advise Task # 2 BCWUA team on preparing procedures for monitoring and evaluating success of establishing and activating BCWUAs.
- Organize training in M&E principles and benchmarking for District Mangers, General Directors, and Central Office Mangers.

Education, Communication, Public Awareness and Participation

The following activities are planned for the next quarter:

- Distribute and promote English/Arabic versions of the Discussion Guide” & communication tool kit for expanded use nationally and/or regionally.
- Update the Year 2 communication plan and matrix of proposed communication and public awareness products based upon technical team priorities.
- Finalize IWRM District Booklet, print, and distribute.
- Finalize English version of the "Start with Your Selves" video, complete duplication and packaging, distribute.
- Complete production and distribution of hats and BCWUA campaign glasses.
- Complete materials preparation, plan and implement four Governorate Public Awareness events.
- Improve process for collecting, writing, and distributing Highlights/Success Stories.
- Hold workshop(s) to gather feed-back and input on improving the “Discussion Guide”. Revise accordingly.
- Duplicate, package and distribute electronic versions of the “Discussion Guide”.
- Develop, design, package and produce a package of large charts based upon the Discussion Guide material for use with large groups when electronic equipment is not available for projecting the power-point version.
- Develop other communication materials i.e. a “leave-behind” flyer based upon the Discussion Guide material.
- Maintain web-site.
- Up-grade photo archiving process with new program.
- Continue to provide education, communication, public awareness, and participation support for all Task areas with special attention paid to a Solid Waste Management campaign for Task #5, documentation of Task #6 activities, and support for both the establishment and activation of Task #2 BCWUAs.

Training

The following training courses are planned for the next quarter:

ID Code	Course Title	Task	Events	Date	Venue
2.6	Activation Workshop	Class/Field	12	Q2	Each Directorate
2.7	Activation Field Work	OJT	4	Q2	Each Directorate
3.9	Water Quality Monitoring	Class/Field	6	Q2	Each Directorate
3.10	Water Quality Monitoring	OJT	4	Q2	Each Directorate
3.17	Water Level & Discharge Databases	Class/Field	6	Q2	Each Directorate
6.4	Improving Water Reuse Practices	Meeting	1	Q2	Each Directorate

Procurement

Projected procurement activities for next quarter include the following activities:

- Continue procurement, supply, and installation of commodities.
- Prepare MWRI equipment transfer procedures as required.
- Transfer delivered equipment to MWRI.
- Complete equipment inventory.

IV. PROBLEMS AND ISSUES

Task 1: Formation of Integrated Water Management Districts

The transfer of staff to the IWMDs faces specific issues such as staff redundancy and engineer shortage (in Upper Egypt). The first issue is being addressed by supporting the redefinition of roles and responsibilities and extending the responsibilities of IWMDs. The second issue is being tackled through the reassignment of engineers, or the empowerment of technicians.

The issue of the temporary status of some of MWRI management staff has also been raised to the attention of MWRI.

IWMDs are responsible for more tasks than the previous irrigation districts. Consequently their needs in terms of budget, facilities, and resources are greater. The Project is collaborating with the MWRI to identify those needs and address them.

Funds for drain maintenance for IWMDs must be transferred from the EPAD budget to the Irrigation Department budget before the start of the new fiscal year. IWMU with project assistance is working to solve this problem.

Task 2: Formation of Branch Canal Water Users' Associations

The effort for establishing BCWUAs to cover over 1000 branch canals is significant, as compared to the previous bridging and pilot activity. In order to address this, training courses have been synthesized and simplified.

The new approach using District Managers to take the lead on forming BCWUAs is working very well and has been accepted by MWRI.

Task 3: Equitable Allocation of Water Resources

The assignment of technical staff for water monitoring at district-level faces delays and specific issues such as engineer shortage in Upper Egypt. The process is being facilitated through IWMU and the Project Regional Advisors.

Task 4: Improved Maintenance and Upgrading of Water Management Equipment

None at this time.

Task 5: Environmental Services for Improving Water Quality Management

Approval is required from the Gharbiya Governor and MALR to reclassify the land for the pilot DBAF wastewater treatment plant from agricultural land to public utility land before construction can begin.

A substation transformer needs to be upgraded in Senbo Village to be able to provide a suitable electric power supply to the DBAF site.

Additional funds have been requested from USAID to support this activity.

Task 6: Improved Wastewater Reuse Practices

None at this time.

Task 7: Graduate Degree Training

None at this time.

Training

None at this time.

Procurement

None at this time.

V. STAFF LEVEL OF EFFORT

The LIFE IWRM LTTA and STTA professional, technical, and administrative support staff for the quarter are shown below:

RESIDENT STAFF

EXPATRIATE

NAME	POSITION
Dr. Jeff Fredericks	Chief of Party
Eric Viala	Water Resource Mgt Expert

LOCAL EGYPTIAN

NAME	POSITION
Dr. Ibrahim El Assiouty	Deputy Chief of Party
Dr. Wadie Fahim Mankarious	Senior Organization/Institutional Development Specialist
Nabil Fawzi	Water Resource Mgt Specialist (Upper Egypt)
Maher Khodary	Water Resource Mgt Specialist (Lower Egypt)
Dr. Ragab Abdel Azim	Water Resources Management Specialist
Dr. Khaled Wasief	Institutional/Organizational Development Specialist
Mahmoud Said	Administration and Procurement Coordinator
Dahlia Hamdy	Workshop/Training Coordinator
Nermin Mokhtar	Accountant/Financial Manager
Amany Mahmoud	Administrative Assistant
Shehab Younis	Administrative Assistant (Lower Egypt)
Nahid Nabil	Administrative Assistant (Upper Egypt)

SHORT TERM STAFF DURING THE REPORT PERIOD

EXPATRIATE

NAME	POSITION
Cheryl Groff	Senior Information, Education, & Communications
Karim El-Jisr	Environmental Specialist and Agricultural Eng
Mark Svendsen	Senior M&E Specialist
Tom Sheng	Senior Information Specialist
Bonnie Grover	English Language Technical Editor

LOCAL EGYPTIAN

NAME	POSITION
Eng. Alaa Abass	Information Specialist
Eng. Hisham Shehab	Water Monitoring Specialist
Eng. Moamen El Sharkawy	Water Resource Organizational/Institutional Specialist
Eng. Amira Abdel Hady	Water Resource Organizational/Institutional/Gender Specialist
Eng. Mohamed Hamed A. Latif	Water Quality Environmental Specialist
Eng. Ayad Thapet Kariakos	Demo Site Coordinator
Dr. Hussein El Atfy	Senior Management / Institutional Specialist

NAME	POSITION
Dr. Hisham Ali Mustafa	Senior Education, Communication and Public Awareness & Participation Specialist
Dr. Mohamed Rami Mahmoud	Senior Water Resources Information Specialist
Eng. Safaa Khodary	IT Specialist
Eng. Mohamed El Hamrawy	Water Resources and Irrigation Specialist
Eng. Yehia Mohamed Youssof	Water Resources and Irrigation Specialist

VI. STATUS OF FINANCES AND EXPENDITURES

Financial summary for the reporting period October – December 2005 is presented below:

USD Budget

Budget Line Item	Budgeted	Obligated	Current Claim	Claims to Date	Remaining Balance	% Budget Claimed	Remaining Obligation Balance	% Obligation Claimed
Direct and Consultant Labor	1,337,507		64,721	355,872	981,635	26.6		
Other Direct Costs	4,756,111		174,181	1,043,974	3,712,137	22.0		
Subcontractor Handling Fee	53,486		2,572	14,171	39,315	26.5		
Fixed Fee	338,090		13,281	77,874	260,216	23.0		
Total Cost Plus Fixed Fee	6,485,194	5,000,000	254,756	1,491,890	4,993,304	23.0	3,508,110	29.8

Source: IRG Invoices #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 and estimate of 15

LE Budget

Budget Line Item	Budgeted	Obligated	Current Claim	Claims to Date	Remaining Budget Balance	% Budget Claimed	Remaining Obligation Balance	% Obligation Claimed
Direct and Consultant Labor	6,777,427		539,422	2,553,972	4,223,455	37.7		
Other Direct Costs	15,290,311		1,881,171	8,903,183	6,387,128	58.2		
Subcontractor Handling Fee	98,769		5,349	19,997	78,772	20.2		
Fixed Fee	1,219,157		133,427	631,243	587,914	51.8		
Total Cost Plus Fixed Fee	23,385,664	15,333,333	2,559,368	12,108,395	11,277,269	51.8	3,224,938	79.0

Source: IRG Invoices #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and estimate of 14

VII. LIST OF REPORTS

No.	NAME	
1	Annual Work Plan Year 1 (October 2004 – September 2005)	December 2004
2	Quarterly Report (October - December 2004)	January 2005
3	Monitoring and Evaluation Plan	February 2005
4	Quarterly Report (January - March 2005)	April 2005
5	Quarterly Report (April - June 2005)	July 2005
6	Task 5: Sinbo Village Household Survey	April 2005
7	Task 5: Alternative Methods for Solid Waste Management and Treatment and Disposal of Wastewater	July 2005
8	Task 5: Technical Report with Specifications & Table of Quantities of Sewage Pump Station & Treatment Plant for Sinbo Village Zifta Markaz – Gharbiya Governorate	July 2005
9	Task 4: Assessment of Egyptian Farmers' Need for Improved Maintenance of Irrigation Equipment and Training to Manage Water Users' Associations	August 2005
10	Monitoring and Evaluation: Field Survey of Farmers in Twenty Seven Integrated Water Management Districts	September 2005
11	Task 1: Establishing Integrated Water Management Districts	August 2005
12	Violations Data Base User Manual (Arabic)	August 2005
13	Complaints Data Base User Manual (Arabic)	August 2005
14	MISD Software User Manual (Arabic)	August 2005
15	Task 5: Design and Cost Analysis of Agriculture Wastes Recycling Alternatives for Sinbo Village – Gharbiya Governorate	August 2005
16	Annual Work Plan Year 2 (October 2005 – September 2006)	August 2005
17	Annual Report Year 1 (2004 – 2005)	October 2005
18	Water Level Data Base User Manual (Arabic)	October 2005
19	Monitoring and Evaluation Report Year 1	October 2005
20	Information System Year 1 Assessment	October 2005
21	Task 6: Design of Irrigation Network for the Luxor Demonstration Site	September 2005
22	Task 6: Environmental Monitoring Plan for the Luxor Demonstration Site	November 2005