



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 3: 2nd Quarter
(January - March 2007)
Report No. 34

April 2007

IRG International Resources Group

In association with EPIQ II Consortium

QUARTERLY REPORT
Year 3: 2nd Quarter
(JANUARY - MARCH 2007)

TABLE OF CONTENTS

I. SUMMARY	1
II. ACCOMPLISHMENTS DURING THE REPORT PERIOD.....	3
III. ACTIVITIES PLANNED FOR NEXT QUARTER.....	10
IV. PROBLEMS AND ISSUES.....	13
V. STAFF LEVEL OF EFFORT.....	15
VI. STATUS OF FINANCES AND EXPENDITURES	16
VII. LIST OF REPORTS	17

I. SUMMARY

International Resource Group (IRG) under the USAID/Egypt funded Livelihood and Income from the Environment Integrated Water Resources Management Project (LIFE IWRM), 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 3 (2006/2007) 2nd Quarter covering the period from January to March 2007. 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:

Eng. Wafaa Faltaous (CTO) visited Qena Governorate on 14-15 February. She met with BCWUA members from Quos IWMD and attended the Task #6 Wastewater reuse coordination meeting held at the Luxor Demo site.

Eric Viala (LTTA, Expatriate Water Resources Management Specialist) left the project on 28 February 2007 to take a position as Regional Water Advisor for the USAID Office of Middle East Programs

A meeting was held with H.E. Dr. Mahmoud Abu Zeid on 5 March 2007 to discuss the Minister's participation in the upcoming Fourth International Conference on Irrigation and Drainage being held in Sacramento, California October 3-6, 2007.

A presentation was given to USAID staff at USAID/Egypt on 6 March 2007 on the status of the Project's Monitoring and Evaluation activities.

Integrated Water Management Unit (IWMU) continued to provide excellent coordination for the Project with MWRI entities to achieve Project objectives and facilitate implementation of Project activities in the field.

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. One of the 5 General Directors, three of the 27 IWMD managers, and 25% of the section heads are women. Monthly Directorate Coordination Meetings were held and monthly reports were prepared by all IWMD managers and General Directors.

Formation of BCWUAs has been completed. The total number of BCWUAs in the 27 IWMDs is now 601. The BCWUAs serve 500,000 branch canal water users and cover more than 1000 branch canals. Strengthening activities continued for all 601 BCWUAs. This included preparation of internal regulations, annual maintenance priorities, and action plans. Internal regulations have been prepared by 552 BCWUAs; 263 BCWUAs have prepared maintenance plans; and action plans have been prepared for 192 BCWUAs.

Information on water quality and water quantity data is being recorded, analyzed, and reported by all of the 27 IWMDs. The water monitoring/discharge measurement program

continued at 84 irrigation canal inflow/outflow and 70 drain sites. The calibration curves for the 84 inflow/outflow sites are being updated. Daily water level data for over 1000 sites are being entered by IWMD staff into a water level database and biweekly inflows to all 27 IWMDs have been calculated for the period from May 2004 to the present. Six Campbell Scientific data loggers for continuous flow monitoring have been successfully installed at various critical water measurement locations. Monthly Water Distribution meetings were held at Directorate level to improve coordination on assessment of water needs and allocation of water resources. The implementation of the Matching Irrigation and Supply and Demand (MISD) program continued. Coordination meetings with MALR were conducted. Biweekly data from the Ministry of Agriculture is being collected by the IWMDs on crops and cropping patterns. Biweekly water requirements have been calculated for the period from May 2004 to the present. Water quality and groundwater monitoring continued in all IWMDs. Digital base maps have been finalized and digitizing of canals, drains, and water monitoring sites for all 27 IWMDs completed. The field surveys by IWMD staff using hand held GPS devices to confirm branch canal areas continued.

Task 5 activities continued in Senbo Village, Gharbiya Governorate, the pilot area selected for demonstrating environmental services for improving water quality management. The water quality monitoring program is on-going. The 600 m³/day Dual Flow Aerated Bio-filters (DBAF) waste water treatment facility constructed under the Project is under operational testing. The development of an environmental solid waste management program is on-going. TA was provided to support USAID in the preparation of the GDA “Environmental Services for Improving Water Quality Management in Rural Areas in Egypt” between Coca Cola, USAID, MWRI, IRG, and UNICEF.

The Luxor wastewater reuse demo site is operational. This activity is under direction of EEAA with support from MALR. Six crops are under cultivation. Winter cropping season began on 1 November. Environmental monitoring continued. A coordination meeting and site visit were held in Luxor on 15 February with USAID, EEAA, and MALR to discuss environmental and economic aspects of the activity. The Final Report # 33 Task 6 “Economic Feasibility Study of Using Treated Wastewater in Irrigation” was submitted to USAID.

Eleven persons are being sponsored for M.S. 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.

Preparation of 10 Arabic language banners for display in the USAID lobby was finalized. The MWRI Water Communication Unit continued compiling IWMD and BCWUA success stories from each of the 27 IWMDs. Over 200 success stories have been collected to date. WCU published and distributed over 1500 copies of the 1st issue of quarterly newsletter on success stories regarding IWMDs, BCWUAs and improved water management practices.

Consolidation of M&E Secondary data for winter 2006/07 was started. Request for Quotation for Year 3 Farmer Field Survey was issued.

The Project conducted 21 training events and sponsored 12 Directorate monthly meetings and 12 water distribution meetings during the quarter period with 1044 participants (23 % female). English Language training was started in 9 locations for 88 (22% female) MWRI staff.

II. ACCOMPLISHMENTS DURING THE REPORT PERIOD

Task 1: Formation of Integrated Water Management Districts

Eng. Nabil Fawzi (LTTA, Local Water Resources Management Specialist) is the LIFE Regional Advisor for Upper Egypt. He is supported by Eng. Yehia Youssef (IWMU). Eng. Maher Khodary (LTTA, Water Resources Management Specialist) is the LIFE Regional Advisor for Lower Egypt. He is supported by Eng. Mohamed El Hamrawy (IWMU). Dr. Tarek Kotb provided STTA to assist with integrated maintenance activities. Activities carried out during the report period by LIFE IWRM team included:

- Monthly coordination meetings held with Undersecretaries, General Directors, and IWMD managers in the five target Directorates. The meetings are used for dissemination of information, monitoring of progress, discussion of upcoming events, identification of roadblocks, and sharing of experiences.
- IWMD managers prepared and submitted IWMD monthly reports to General Directors, who in turn prepared Directorate monthly reports.
- Conducted follow-up training on Integrated Maintenance for IWMD staff.
- Completed training on IWMD establishment and organization (refresher courses) for IWMD and GD managing staff in all five target Directorates.
- Completed training events on Management for IWMD managers and section heads in Upper Egypt.
- Established and equipped a training facility in Komombo, Aswan Directorate.
- Continued development of complaints database at Directorate level.
- Eng. Maher attended the GTZ sponsored Drainage Maintenance Project meeting held in Zagazig on 12 March and Quesna on 24 March. The Drainage Maintenance Project is working with several of the IWMDs in these Directorates. The collaboration between the two projects is excellent.
- Integrated Maintenance guidelines finalized.

Task 2: Formation of Branch Canal Water Users' Associations

Eng. Moamen Mohamed Said El Sharkawy (IWMU) and Eng. Amira Abdel Hady (IWMU) are coordinating this task. Activities carried out during the report period by LIFE IWRM team included:

- Finalizing Internal Regulations of BCWUAs in IWMDs. After reorganization some additional BCWUAs were formed in Quesna, Birket El-Sabaa, Zagazig, and Abu Kebeer IWMDs. There are now a total of 601 BCWUAs covering all the branch canals in the 27 IWMDs.
- Preparation for summer season seasonal meetings with BCWUA chairman that will be held by all IWMDs. These seasonal meetings are used for district-level information sharing and discussions between IWMD staff and BCWUAs representatives.
- Completion of Participatory Water Management Training. This training provided tools and procedures for IWMD staff to engage BCWUAs in water management through specific activities regarding operation and maintenance of waterways, improvement of waste management and water quality, communications with and within BCWUAs.
- Preparation of Participatory Water Management follow-up activities with IWMDs and BCWUAs.

- Compilation of all guidelines on BCWUA formation.

The status of the BCWUA activities is summarized below:

Directorate	W. Sharkiya	New Zifta	E. Qena	W. Qena	Aswan	Total
Established	151	105	102	124	119	601
MOUs	130	105	101	123	119	578
Internal regulations	118	101	92	123	118	552
BC priorities	26	69	30	81	57	263
Action Plans	26	36	30	57	43	192

Task 3: Equitable Allocation of Water Resources

Dr. Ragab Ali Abdel Azim (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. Tom Sheng (IRG) provides expat short-term technical assistance. Activities carried out during the report period by LIFE IWRM team included:

- Dr. Tom Sheng carried out a two week STTA assignment assisting with information system activities in February 2007. Dr. Sheng visited all 5 target Directorates to discuss problems and review program status. Trip report was prepared.
- Support continued for water quality monitoring efforts at over 380 sites.
- Well inventory ongoing in all IWMDs, 4500+ wells inventoried so far.
- 84 canal inflow/outflow sites have been calibrated by IWMDs. Support for on-going flow measurement and calibration of 65 out of 70 drainage sites continued.
- Biweekly supplies to all 27 IWMDs calculated by IWMDs for period May 2004 to the present.
- Water Distribution meetings held monthly at directorate level to improve coordination between IWMDs, General Directorates, and Regional Distribution center regarding assessment of water needs and allocation of water resources.
- Five data loggers were installed. One spare data logger was procured. The total supplied under the Project is 7. Two are installed in W. Sharkiya Directorate, two in Zifta Directorate, two in E. Qena Directorate, and one spare remains with MWRI Central Telemetry Section. Water level data for these sites is now being accessed directly through GSM communications by IWMD, Directorate, and Central Directorate of Water Distribution staff.
- MISD process ongoing in 25/27 IWMDs (all except Wadi El Nokra and Wadi El Saida, Aswan directorate which are new lands under development). The IWMDs continue to prepare biweekly water requests based on actual cropping patterns. Past biweekly water needs have been calculated for period May 2004 to the present.
- MISD guidelines finalized.
- 1/25,000 digital base maps finalized for all 27 IWMDs. IWMD staff now populating digital maps by delineating BC command areas through field work, use of GPS, and digital mapping software.
- Development of water levels and MISD databases at directorate level continued.
- Follow-up computer maintenance training by Ministry Information System staff was started. All IWMDs and target Directorate staff will participate.

- Completed installation of 121 water gages in all five target directorates to support flow monitoring and structure calibration.
- Water Resource Inventory guidelines prepared.

Task 4: Improved Maintenance and Upgrading of Water Management Equipment

Dr. Wadie Fahim Mankarious (Senior Organization/Institutional Development Specialist) is coordinator for this task. An assessment was conducted and a report submitted to USAID in September 2005. USAID requested an updated report that included data collected from additional focus group meetings with newly formed BCWUAs and an extended pump maintenance workshop survey. The final report “Updated Assessment of Egyptian Farmers’ Need for Improved Maintenance of Irrigation Equipment and Training to Manage Water Users’ Associations” was prepared and submitted to USAID in November 2006. Activities carried out during the report period included:

- Discussions held with USAID and MWRI on the updated assessment.

Task 5: Environmental Services for Improving Water Quality Management

Dr. Wadie F. Mankarious (Senior Organization/Institutional Development Specialist) is coordinator for this task. He is assisted by Eng. Mohamed Hamed (IWMU). STTA is being provided by Dr. Mohamed El-Hussaini (Waste Water Treatment Consultant), Dr. Samir Ahmed El-Shimi (Ag Recycling Consultant), and Dr. Sherif M.A. El-Didy (Groundwater Consultant). Activities carried out during the report period included:

- Continued to collect water samples to monitor DBAF system performance.
- Completed electricity hook-up for the DBAF facility.
- Agricultural waste recycle meeting with CDA/BCWUA representatives was conducted on January 29. Different alternatives were discussed.
- MWRI investigated legal procedures for transferring agricultural waste recycle equipment to CDA.
- CDA identified 9 participants to attend 1 week DBAF O&M training planned for April.
- Water quality monitoring activities continued.

Task 6: Improved Wastewater Reuse Practices

Dr. Wadie Fahim Mankarious (Senior Organization/Institutional Development Specialist) 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. Awad Shafik (Demo Site Manager 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 included:

- Winter season began on November 1st. A total of 7 fd are under cultivation. The following crops are being grown: flax (2.5 fd), flowers (1.5 fd), jojoba (2 fd), and jatropha (1 fd).
- Dr. Moustafa El Hakeem, MSEA/EEAA, visited the site on 27 January and reported that he was pleased with the progress.
- Ag. Eng. Omima from Tanta Oil Company visited the demo site in Luxor to provide advice on the flax.

- A coordination meeting was conducted in Luxor on 15 February. It was attended Dr. El Hakeem (EEAA), Eng. M. Moustafa (MALR), Eng. Mohamed Abu Zied (LWWGD), Eng. Wafaa Faltaous (USAID), Project staff, and demo site staff. The group visited the site, met with the 4 graduates, and delivered training support lectures.
- Follow-up health check-up for the graduates was conducted.
- Marketing of flowers from the demo site in Luxor continued.
- Report No. 33 on Economic Feasibility Study of Using Treated Wastewater in Irrigation was submitted to USAID.
- Environmental monitoring continued.

Task 7: Graduate Degree Training

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

- Continued monitoring status and progress of all trainees: two at Utah State Universities in USA, two at American University Cairo, and 7 at local universities.
- Provided financial and logistical support for trainees.

Monitoring and Evaluation

Dr. Ibrahim Ellassiouti (LLTA, DCOP) is coordinator for this activity. 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:

- Dr. Mark Svendsen (Expat. STTA) carried out an assignment from February 11 to March 13. He visited each of the five Directorates to discuss M&E Year 2 findings and data required to compute all indicators contained in the M&E Plan. Dr. Mark Svendsen made presentation to USAID officials on Project M&E Results.
- Prepared and sent request for quotation for Year 3 Farmer Field Survey. Deadline for quotations is 19 April.
- Continued compiling the names and code numbers of branch canals in the 27 IWMDs from different sources.
- Continued working with the field survey consultant to resolve problems that came out during Year 2 Survey.

Education, Communication, Public Awareness and Participation

Dr. Khalid Wassif (MWRI) provided STTA support for this Task. Six 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; and writing and design for program materials. Activities carried out during the reporting period by the communications team included:

- WCU continued collection of IWMD and BCWUA success stories. Over 200 success stories have been collected to date; over 150 have been written up in Arabic; and translation to English has been completed on 77 stories.
- WCU published and distributed the 1st issue of quarterly newsletter on project success stories collected from the IWMDs and BCWUAs. The newsletter was distributed as follows: 27 IWMDs (40 copies each); 30 journalists; 200 ordinary irrigation

districts; 200 ordinary drainage districts, all irrigation/drainage/groundwater directorates & undersecretaries (1 copy each); MWRI staff in Ministry Building Cairo (1 copy each); related projects i.e. World Bank IIMP & W. Delta, Fayoum, CDIAS & IIP (1 copy each).

- Completed 10 banners for display in the USAID lobby. The Arabic version of the 10 banners approved and ready for printing.
- Arabic version video on formation of BCWUAs and related success stories completed.
- Dr. Elassiouty attended presentation at USAID/Egypt on “How Egyptians Perceive USAID Programs and Activities”. The results of the public opinion survey on the awareness and perception of USAID to Egypt were circulated.
- Dr. Wadie attended meeting at USAID/Egypt on USAID exhibition space for the Environment 2007 event.
- Initiated redesign of 7 x 10 cm USAID public awareness cards describing LIFE project and Egypt’s water resources.
- Began planning for MWRI awareness workshops for undersecretaries and general directors scheduled for May 2007.
- Maintained Project web-site and photo archive.

Training

Dahlia Hamdy (LTTA, Organization/Institutional Development Specialist) is coordinator for this component. Activities carried out during the report period by LIFE IWRM team included:

- Dahlia Hamdy attended a Training Session on February 8, 2007 at USAID/Egypt covering all major aspects of USAID J-1 visa policy and procedures.
- Signed contracts with AmidEast to conduct 90 hour English Language Course for 88 (22% female) MWRI staff at 7 locations. Training began end of February and will be completed by end of June.
- Two additional contracts signed with AmidEast to conduct two English Language Training courses in Aswan beginning in April.
- Prepared, coordinated, and followed-up with the regional offices in Lower & Upper Egypt for all project related training programs.
- Compiled documentation for each training event.
- 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 all Trainees.
- Maintained Project training database.

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		
Total	Male	Female	Total	Male	Female
4959	4000	959	1044	807	237

Training conducted during the reporting period is listed below:

No	Code	Event	Date	Venue	Days	Persons	Female
Task 1							
1	8.2.71	January Monthly Meeting	16-Jan-07	W. Sharkiya	1	11	0
2	8.2.72	January Monthly Meeting	17-Jan-07	Zifta	1	10	2
3	8.2.73	January Monthly Meeting	23-Jan-07	Qena	1	17	4
4	8.2.74	January Monthly Meeting	24-Jan-07	Aswan	1	16	2
5	8.2.75	February Monthly Meeting	13-Feb-07	W. Sharkiya	1	8	1
6	8.2.76	February Monthly Meeting	14-Feb-07	Zifta	1	8	3
7	8.2.77	February Monthly Meeting	13-Feb-07	Qena	1	17	4
8	8.2.78	February Monthly Meeting	15-Feb-07	Aswan	1	17	3
9	8.2.79	March Monthly Meeting	6-Mar-07	Zifta	1	7	2
10	8.2.80	March Monthly Meeting	7-Mar-07	W. Sharkiya	1	8	1
11	8.2.81	March Monthly Meeting	13-Mar-07	Qena	1	17	4
12	8.2.82	March Monthly Meeting	14-Mar-07	Aswan	1	17	2
13	1.6.1	District's Establishment	29-Jan-07	W. Sharkiya	1	28	3
14	1.6.2	District's Establishment	30-Jan-07	Zifta	1	29	6
15	1.6.3	District's Establishment	29-Jan-07	Qena	1	47	9
16	1.6.4	District's Establishment	31-Jan-07	Aswan	1	32	10
17	1.4.1	Integrated & Preventive Maintenance	11-Jan-07	L. Egypt	1	24	2
18	1.4.2	Integrated & Preventive Maintenance	16-Jan-07	Qena	1	20	4
19	1.4.3	Integrated & Preventive Maintenance	18-Jan-07	Aswan	1	15	4
20	1.3.3	Management Training Course	Jan. 22-24	Aswan	3	43	9
21	1.3.4	Management Training Course	Mar. 4 -6	Qena	3	51	14
22	1.7.1	English Language Training Course	Feb.-March	Qena	--	15	3
23	1.7.2	English Language Training Course	Feb.-March	Zifta	--	22	10
24	1.7.3	English Language Training Course	Feb.-March	W. Sharkiya	--	36	4
Task 2							
25	2.3.4.1	Participatory Water Management Workshop	Feb. 19-21	Zifta	3	37	11
26	2.3.4.2	Participatory Water Management Workshop	Feb. 24-26	Qena	3	37	7
27	2.3.4.3	Participatory Water Management Workshop	Feb. 27- Mar.1	Qena	3	31	7
28	2.3.4.4	Participatory Water Management Workshop	Mar. 19-21	W. Sharkiya	3	40	3
29	2.3.4.5	Participatory Water Management Workshop	Mar. 24-26	Aswan	3	29	6
30	2.3.4.6	Participatory Water Management Workshop	Mar. 27-29	Aswan	3	29	5
Task 3							
31	3.23.10	MISD Coordination Meeting	23-Jan-07	W. Sharkiya	1	23	3
32	3.23.11	MISD Coordination Meeting	24-Jan-07	Zifta	1	36	7
33	3.3.2.1	Computer Maintenance	Mar.11-13	Aswan	3	24	15
34	3.3.2.2	Computer Maintenance	Mar.17-19	Qena	3	13	6
35	3.3.2.3	Computer Maintenance	Mar. 20-22	Qena	3	10	3
36	3.14.11	Water Distribution Meeting	9-Jan-07	W. Sharkiya	1	8	1
37	3.14.12	Water Distribution Meeting	10-Jan-07	Zifta	1	9	3
38	3.14.13	Water Distribution Meeting	15-Jan-07	Qena	1	11	3
39	3.14.14	Water Distribution Meeting	14-Jan-07	Aswan	1	10	0

No	Code	Event	Date	Venue	Days	Persons	Female
40	3.14.15	Water Distribution Meeting	4-Feb-07	W. Sharkiya	1	14	4
41	3.14.16	Water Distribution Meeting	5-Feb-07	Zifta	1	14	10
42	3.14.17	Water Distribution Meeting	7-Feb-07	Qena	1	26	10
43	3.14.18	Water Distribution Meeting	8-Feb-07	Aswan	1	20	3
44	3.14.19	Water Distribution Meeting	4-Mar-07	W. Sharkiya	1	9	1
45	3.14.20	Water Distribution Meeting	5-Mar-07	Zifta	1	16	6
46	3.14.21	Water Distribution Meeting	14-Mar-07	Qena	1	22	7
47	3.14.22	Water Distribution Meeting	15-Mar-07	Aswan	1	13	2
Task 6							
48	6.4.5	Improving Wastewater Reuse Practices Coordination Meeting	15-Feb-07	Luxor	1	8	2
Cross Cutting Task							
49	8.3.2.3	M&E Coordination Meeting	18-Feb-07	Aswan	1	10	2
50	8.3.2.4	M&E Coordination Meeting	21-Feb-07	Qena	1	13	1
51	8.3.2.5	M&E Coordination Meeting	25-Feb-07	W. Sharkiya	1	9	1
52	8.3.2.6	M&E Coordination Meeting	27-Feb-07	Zifta	1	8	2

Procurement

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

- Continued preparation of specifications and procurement of project equipment as required.
- Continued to install and transfer all supplied equipment to MWRI.
- Continued to maintain equipment supplied under project.
- Procured 1 backup data logger from US sources. Shipment successfully cleared customs and delivered to Project office.
- Procured training furniture and equipment for the Training rooms of Qesna IWMD in Lower Egypt and Kom Ombo IWMD in Aswan.
- Supplied 5 ACs: 3 for Kom Ombo training Room and 2 for Aswan IWMD training room.
- Procured and transferred 2 High end video editing desktop Computers including peripherals, 1 Notebook computer and 2 Laser color printers to support the WCU activities.

III. ACTIVITIES PLANNED FOR NEXT QUARTER

Task 1: Formation of Integrated Water Management Districts

The following activities are planned for the next quarter:

- Conduct monthly coordination meetings with MWRI managing staff.
- Continue development of IWMD complaints databases at General Directorate level.
- Review IWMD integrated maintenance plans.
- Finalize Guidelines.
- Complete English language training courses.

Task 2: Formation of Branch Canal Water Users' Associations

The following activities are planned for the next quarter:

- Conduct BCWUAs Chairpersons Orientation Workshop for all chairpersons in all IWMDs.
- Support IWMD staff in implementing participatory water management activities in each BCWUA.
- Support IWMDs in conducting seasonal chairperson meetings.
- Continue assisting IWMDs in compiling process documentation.

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 May 2007.
- Continue working with IWMDs to determine branch canal command and irrigable areas using GPS survey.
- Continue development of IWMD water level databases in each General Directorate.
- Continue support to all water monitoring activities (water levels, discharges, water quality, and groundwater).
- Train MWRI staff on data loggers.
- Continue support for computer maintenance in all IWMDs.
- Conduct monthly water distribution coordination meetings.
- Complete computer maintenance refresher training course.

Task 4: Improved Maintenance and Upgrading of Water Management Equipment

The following activities are planned for the next quarter:

- Review comments on final report "Updated Assessment of Egyptian Farmers' Need for Improved Maintenance of Irrigation Equipment and Training to Manage Water Users' Associations".

Task 5: Environmental Services for Improving Water Quality Management

The following activities are planned for next quarter:

- Complete the performance test of DBAF in Senbo.
- Training of technicians and laborers on operation and maintenance of the DBAF
- Preparation of procedures for transfer the DBAF in Senbo to CDA or any agency recommended by MWRI.
- Continue the water quality monitoring program
- Continue the public awareness program on water quality and waste management.
- Review Agricultural Waste recycling program implementation alternatives.

Task 6: Improved Wastewater Reuse Practices

The following activities are planned for the next quarter:

- Conduct environmental evaluation.
- Continue monitoring of water quality and cultivated crops.
- Continue training of graduates.
- Identify second group of graduates for training.
- Continue marketing of crops.

Task 7: Graduate Degree Training

The following activities are planned for the next quarter:

- Continue monitoring status and progress of all trainees.
- Providing financial and logistical support for trainees.
- Make arrangements for the attendance of MWRI project sponsored participants for Sacramento ICID Conference to be held in October 2007 in California.

Monitoring and Evaluation

The following activities are planned for the next quarter:

- Select Field Survey Consultant to carry out Year 3 Farmer Field Survey
- Implement a training program for district staff serving as survey enumerators and supervisors for the farmer field survey.
- Conduct Farmer Field Survey in 27 districts.
- Collect secondary M&E data for all project IWMDs for Winter 2006/2007.
- Update USAID PMP indicator tables as required.

Education, Communication, Public Awareness and Participation

The following activities are planned for the next quarter:

- Conduct MWRI awareness workshops for irrigation and drainage Undersecretaries and General Directors.
- Publish newsletter with Water Communication Unit regarding IWMD and BCWUA achievements and success stories.
- Prepare Arabic version of 10 USAID lobby display banners.
- Print and distribute 3x4 cm Arabic language laminated awareness cards on LIFE project and water management in Egypt.
- Prepare public awareness material for DBAF waste water treatment facility.
- Prepare public awareness material on reuse of treated wastewater for irrigation.
- Maintain web-site.

Training

The following training courses are planned for the next quarter:

ID	Course Title	Task	Events	Date	Venue
5.6.1	DBAF O&M	5	1	April	Senbo
3.3.2.5	Computer Maintenance	3	2	April	Lower Egypt
3.26.1	Operation of Data Loggers	3	4	April	Zifta -W. Sharkiya & E.- W. Qena
2.3.6.1	BCWUAs Chairpersons Orientation Workshop	2	9	April - May	Each Directorate
1.9.1	LIFE/IWRM Awareness Workshop	1	3	April -May	2 Lower Egypt & 1 Upper Egypt
1.7.1	English Language Training	1	9 Classes	Feb. – June	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.

IV. PROBLEMS AND ISSUES

Task 1: Formation of Integrated Water Management Districts

MWRI awareness of the concept of Integrated Water Management Districts is limited. A set of awareness workshops is being planned to inform senior level officials on the benefits and achievements of the IWMDs formed under the Project.

Shortage of managing staff (engineers) in Aswan directorate remains an issue. This has been raised to the attention of the MWRI.

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

The drainage maintenance budgets have not yet been transferred from EPADP to the Irrigation Department. This creates serious delays and issues for drainage maintenance. The Project is working with MWRI to solve this problem.

Task 2: Formation of Branch Canal Water Users' Associations

The establishment of BCWUAs will be sustainable only if these associations bring tangible benefits to their members and thus achieve credibility.

The Project has trained the IWMD staff in all 27 IWMDs on Participatory Water Management. The IWMD staff has been provided with tools and procedures for working with the BCWUAs. A BCWUA chairman orientation program is being planned to better explain roles and responsibilities of the BCWUAs regarding their participation in specific water management activities such as operation and maintenance of waterways, improvement of waste management and water quality, and communications with and within BCWUAs.

Task 3: Equitable Allocation of Water Resources

Activities such as water monitoring and data management require continuing technical support to IWMD staff. In order to ensure the sustainability of such activities, the Project is mobilizing and building the capacity of support staff at Directorate level.

Task 4: Improved Maintenance and Upgrading of Water Management Equipment

None at this time.

Task 5: Environmental Services for Improving Water Quality Management

The capacity of the CDA to manage and finance the O&M of the DBAF facility is limited. Other options including transferring the facility to a government agency are under investigation.

Task 6: Improved Wastewater Reuse Practices

The procedures and recipient for transfer of the Demo site are still uncertain. It was agreed that the Project would continue to cover O&M costs for the Demo site and that the issue of transfer would be reviewed and finalized in Jan 2008.

Task 7: Graduate Degree Training

None at this time.

Monitoring and Evaluation

Several discrepancies were noted in the sampling for the Year 2 Farmer Survey. The M&E team is working with the field survey Consultant to review and resolve these issues.

Training

None at this time.

Procurement

None at this time.

V. STAFF LEVEL OF EFFORT

The LIFE IWRM LTТА and STТА 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
Mahmoud Said	Financial/Procurement Officer
Dahlia Hamdy	Organization/Institutional Development Specialist
Amany Mahmoud	Office and Personnel Manager
Shehab Younis	Administrative Assistant (Lower Egypt)
Nahid Nabil	Administrative Assistant (Upper Egypt)

SHORT TERM STAFF DURING THE REPORT PERIOD

EXPATRIATE

NAME	POSITION
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
Dr. Khaled Wassif	Senior Ed., Comm. and PA 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 Youssef	Water Resources and Irrigation Specialist

VI. STATUS OF FINANCES AND EXPENDITURES

Financial summary for the reporting period January – March 2007 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		131,486	748,940	588,567	56		
Other Direct Costs	4,756,111		379,239	2,104,353	2,651,758	44		
Subcontractor Handling Fee	53,486		1,456	29,279	24,207	55		
Fixed Fee	338,090		28,170	158,644	179,446	47		
Total Cost Plus Fixed Fee	6,485,194	5,000,000	540,351	3,041,216	3,443,978	47	1,958,784	61

Source: IRG Invoices #1 - 30

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		180,540	5,014,477	1,762,950	74		
Other Direct Costs	15,290,311		44,232	16,721,213	-1,430,902	109		
Subcontractor Handling Fee	98,769		0	54,658	44,111	55		
Fixed Fee	1,219,157		12,362	1,198,469	20,688	98		
Total Cost Plus Fixed Fee	23,385,664	23,385,664	237,134	22,988,817	396,847	98	396,847	98

Source: IRG Invoices #1 – 27

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: Senbo 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 Senbo 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 Senbo 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
23	Quarterly Report (October - December 2005)	January 2006
24	Quarterly Report (January - March 2006)	April 2006
25	Task 6: Irrigation and Crop Management Plan (Draft)	May 2006
26	Monitoring and Evaluation: Field Survey of Farmers in Twenty Seven Integrated Water Management Districts (Year 2)	September 2006
27	Annual Work Plan Year 3 (October 2005 – September 2006)	September 2006
28	Information System Year 2 Assessment	October 2006
29	Annual Report Year 2 (2005 - 2006)	October 2006
30	Task 4: Updated Assessment of Egyptian Farmers' Need for Improved Maintenance of Irrigation Equipment and Training to Manage Water Users' Associations	October 2006
31	Monitoring and Evaluation Report Year 2	October 2006
32	Quarterly Report (September - December 2006)	January 2007
33	Task 6: Economic Feasibility Study of Using Treated Wastewater in Irrigation	March 2007