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

Quarterly Report
Year 3: 3rd Quarter
(April - June 2007)
Report No. 35

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IRG International Resources Group

In association with EPIQ II Consortium

QUARTERLY REPORT
Year 3: 3rd Quarter
(APRIL - JUNE 2007)

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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) 3rd Quarter covering the period from April to June 2007. The quarterly report has the following content: summary of project activities, 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:

Three LIFE IWRM awareness workshops were held for over 80 MWRI irrigation and drainage top officials (under secretaries and general directors) from Upper and Middle Egypt, and Middle, East, and West Delta.

Eng Wafaa Faltaous (CTO) visited Aswan and Qena from 15-19 April. She attended the monthly meetings, a monthly water distribution meeting, and met with BCWUA members. She was accompanied by Dr. Millie Gadbois (USAID/Ag Business Officer).

Eng. Wafaa (CTO) attended monthly LIFE Project coordination meetings at MWRI, Cairo.

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 587 BCWUAs; 578 BCWUAs have prepared maintenance plans; and action plans have been prepared for 509 BCWUAs. Participatory water management orientation training was held for BCWUA chairmen.

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. Daily water level data for over 1000 sites are being entered by IWMD staff into a water level database. Seven Campbell Scientific data loggers supplied by Project 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 IWMD coordination on assessment of water needs and allocation of water resources. The implementation of the Matching Irrigation and Supply and Demand (MISD) program continued. Biweekly data from the Ministry of Agriculture is being collected by the IWMDs on crops and cropping patterns. Water quality and groundwater monitoring continued in all IWMDs. Digital base maps showing canals, drains, and water monitoring sites for all 27 IWMDs have been completed. The field surveys by IWMD staff using hand held GPS devices to confirm branch canal areas continued. Consolidation of water level, complaint, groundwater, water quality, and MISD databases at directorate-level continued. Data collection for water resource inventory was started. Because of the success of the data logger activity, MWRI has awarded a contract to Campbell Scientific Instrument to provide an additional 17 data loggers.

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 operation. Five persons have been employed under an OJT program by the Project to operate the DBAF. USAID delegation visited Senbo DBAF facility and met with the village representatives and Tanta Water & Wastewater Company.

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. A GDA meeting was held at USAID on 16 May. USAID, MWRI, UNICEF, and IRG participated. IRG submitted a formal GDA technical/cost proposal to USAID.

The Luxor wastewater reuse demo site is operational. This activity is under direction of EEAA with support from MALR. Six crops are under cultivation. Flax was harvested and sorghum was planted. Marketing of flowers from the demo site continued. Seven new graduates were interviewed and selected for the Luxor demo site OJT program. A site visit was made to Luxor with EEAA, and MALR to discuss environmental and economic aspects of the activity.

Eleven persons are being sponsored for M.S. Graduate Degree Training. Two persons are completing their program at 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.

The Project delivered 10 Arabic language banners for display in the USAID lobby. The MWRI Water Communication Unit continued compiling IWMD and BCWUA success stories from each of the 27 IWMDs. WCU published and distributed over 1500 copies of the 2nd issue of quarterly newsletter on success stories. The Project printed and distributed 10,000 public awareness cards. MWRI has authorized a lecture on IWMDs to be included in all the MWRI engineer promotion courses presented by the MWRI National Training Center.

Consolidation of M&E Secondary data for winter 2006/07 was completed. Year 3 Farmer Field Survey was conducted with over 4800 users in the 27 IWMDs.

The Project conducted 30 training events and sponsored 12 Directorate monthly meetings and 13 water distribution meetings during the reporting period with 1450 participants (12 % female). English Language training for 77 MWRI staff was completed.

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

- Three LIFE IWRM awareness workshops were held for over 80 MWRI irrigation and drainage top officials (under secretaries and general directors) from Upper and Middle Egypt,; and East, West, & Middle Delta: Luxor (3-5 May) with a visit to Luxor IWMD; Monsura (10-12 May) with a visit to Abou Kabeer IWMD; and Monsura (17-19 May) with a visit to Birkit El Sabaa IWMD. Eng. Gamil Mahmoud (Steering Committee Chairman), Dr. Mohamed Bahaa El Deen Saad (Chairman Irrigation Department), Eng. Mohamed Reda El Bandary (Irrigation Sector Head) participated. Eric Viala (USAID) attended the Monsura workshop on 18 May. Presentations were given by staff from the IWMDs.
- 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.
- Continued development of complaints database at Directorate level.

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:

- Compilation of organizational documentation and process documentation of all 601 BCWUAs. This includes decrees, MOUs, internal regulations, maintenance priorities, and action plans.
- Summer seasonal meetings with BCWUA chairman were held by all IWMDs. These seasonal meetings are used for district-level information sharing and discussions between IWMD staff and BCWUAs representatives.
- Conducted BCWUAs Chairpersons Orientation Workshops. These workshops were provided for BCWUAs chairpersons to introduce common messages concerning participation concepts and benefits, participatory organization structure and legal base, participatory water management activities, gender equity, and roles of BCWUA women members.
- Follow-up with BCWUAs activation and participatory water management activities. These activities assist IWMD staff to engage BCWUAs in water management through specific activities regarding operation and maintenance of waterways, improvement of waste management and water quality, and communications with and within BCWUAs.
- Finalized BCWUAs Chairpersons Survey evaluation.

- Draft guidelines on BCWUA formation completed.

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	148	105	101	123	119	596
Internal regulations	145	105	92	123	118	587
BC priorities	131	105	101	123	118	578
Action Plans	62	105	100	124	118	509

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 and digital mapping in May 2007 (10 – 25 May). Dr. Sheng visited four Directorates (Aswan, East Qena, West Qena and Zifta) to discuss problems and review program status. Trip report was prepared.
- Support continued for water quality monitoring efforts at over 380 sites. Reports that include analysis of water quality measurements were prepared by Directorates.
- Well inventory ongoing in all IWMDs; over 5500 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.
- 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.
- Seven data loggers were installed. Two are installed in W. Sharkiya Directorate, two in Zifta Directorate, two in E. Qena Directorate. The seventh data logger was installed on Elmaalla pump station in Luxor to record the “on” and “off” periods of the pump in addition to the daily pumped water volume. Water level data for the sites are now being accessed directly through GSM communications by IWMD, Directorate, and Central Directorate of Water Distribution staff. As a result of this effort MWRI has awarded a contract to Campbell Scientific Instrument to provide an additional 17 data loggers at critical locations within the Nile Irrigation system.
- 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. Biweekly water needs have been calculated for period May 2004 to the present.
- 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.

- The GPS field work completed in all IWMDs except Nagaa Hammdi IWMD which will finish their work by end of July.
- Development of water levels, complaints, groundwater, water quality (WQ), and MISD databases at directorate level continued.
- Directorate WQ DB installed in all Directorates.
- Follow-up computer maintenance training by Ministry Information System staff completed. All IWMDs and target Directorate participated in the training.
- PC maintenance section established at Directorate to assist in maintaining IWMDs computers.
- Water Resource Inventory guidelines prepared and Directorate are collecting data according to these guidelines. These data will be used as input to the IWMD/Directorate water management plan.

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.
- Some of the practical recommendations will be considered for implementation during Work Plan of Year 4.

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), and Dr. Samir Ahmed El-Shimi (Ag Recycling 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.
- Tanta Water & Wastewater Company constructed a new diverting manhole to the DBAF facility.
- 5 participants selected by CDA were given training on DBAF operation and maintenance. Staff from MWRI WQU and CDA/BCWUA personnel also participated in the one week training. The 5 trainees have been employed under an OJT program by the Project to operate and maintain the DBAF.
- Discussions were held with Tanta Branch of Water & Wastewater Holding Company to discuss the modification of the intake to the DBAF treatment plant and investigate the possibility of transfer the Senbo WWTP to the holding company.
- CDA sent a letter to MWRI requesting transfer the DBAF station to Tanta Water & Wastewater Company.

- H.E. Minister MWRI sent a letter to Minister of Housing informing him of the success of the DBAF facility in Senbo and requested that Tanta Water & Wastewater Company takes over the responsibility of O&M with the assistance of CDA.
- USAID delegation visited Senbo DBAF facility and met with the village representatives and Tanta Water & Wastewater Company on 3 May.
- Ms. Sharon Murray, USAID Washington D.C, visited the Senbo DBAF facility on 17 May.
- MWRI and LIFE IWRM recommended to hold procurement of agricultural waste recycle equipment until Senbo CDA can ensure availability of land for the activity.
- Several meetings were held with MWRI, UNICEF and USAID to prepare a GDA implementation plan. A meeting was held at USAID to discuss the GDA on 16 May. USAID (Eng. Wafaa Faltaous, Eric Viala, Sharon Murray, and Dave Besch) MWRI (Eng. Gamil Mahmoud), LIFE IWRM (J. Fredericks and Dr. Wadie Mankarious) and UNICEF (Rania Elessawi and Charles Parks) participated.
- A Concept Paper on the GDA partnership was submitted to USAID.
- A technical and financial proposal to support a contract modification to carrying out the GDA activities was submitted to USAID.

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) and Eng. Awad Shafik (Demo Site Manager Consultant). Karim El-Jisr (ECODIT) is providing expat short-term technical assistance. Activities carried out during the report period included:

- The Ministry of Health Lab in Luxor was authorized to collect and test water samples from the Demo Site. This will allow the Project to rely on local labs for analysis instead of transporting the samples to Cairo for testing.
- Seven new graduates were interviewed and selected for the Luxor Demo site OJT program. Two of the original 4 graduate trainees will be employed by MALR starting from June 1. The other two graduates will continue working at demo site for two months to train the new graduates. After that they will be employed by MALR.
- At the request of the Luxor Governor, 200 visitors representing 17 Arabian countries visited the Demo Site on 16 May.
- Dr. Moustafa El Hakeem (EEAA), Eng. Mohamed Mostafa (MALR), and Dr. Wadie Fahim (LIFE IWRM) visited the Luxor demo site on May 20.
- Flax was harvested and sent to Tanta Oil Company. The total yield was 6.47 tons with an average of 3.2 tons/fd. It was sold for LE 3,476. Tanta Oil Company stated that the yield is high compared to the yields from Delta areas and the quality is good compared to the yields from the new lands.
- Sorghum first cut was from 0.33 fd and was sold for LE 184.
- Jatropha yield from one feddan was 225 kg (1st year). It was sold for LE 2,250.
- Marketing of flowers from the demo site in Luxor continued.
- 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.
- Began making arrangements for three MWRI Project sponsored participants to attend the US Committee on Irrigation and Drainage Conference to be held in Sacramento, California in October 2007. Each of the participants has submitted and had a paper accepted for presentation at the conference. HE Minister MWRI will be a keynote speaker.

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:

- EL-Zanaty Associates was selected to conduct the Year 3 Farmer Survey.
- Implemented a training program for district staff serving as Survey Enumerators and Supervisors for the Farmer Field Survey.
- Carried out Farmer Field Survey in the 27 IWMDs. Over 4800 persons were interviewed.
- Collected and reviewed M&E Secondary data for Winter 2007.
- Advised and assisted USAID on input to the USAID/Egypt Performance Monitoring Plan (PMP) as it relates to LIFE IWRM.

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:

- Conducted three Awareness Workshops for all MWRI irrigation and drainage Undersecretaries and General Directors.
- HE Minister MWRI authorized that a lecture on integrated water management districts be included in the promotion courses of the MWRI engineers program that is held regularly in the Regional Centre for Training and Water Studies at Six October City.
- Delivered the Arabic version of the ten USAID lobby display boards.
- Printed and distributed 10,000 3x7 cm Awareness Cards describing LIFE project and Egypt's water resources.
- Participated in the Environment 2007 held at International Conference & Exhibition Cairo International Conference Center from 21-23 May.
- WCU participated in BCWUA Chairman Orientation Workshops.

- Continued collection of IWMD and BCWUA success stories by WCU. Over 223 have been written up in Arabic; and translation to English has been completed on 159 stories.
- WCU published the second issue of the quarterly newsletter on success stories. The newsletter was distributed by WCU as follows: 27 IWMDs (40 copy each); 30 journalists; 200 ordinary irrigation & 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 IIIMP & W. Delta, Fayoum, CDIAS, & IIP (1 copy each).
- Eng. Alaa Hassan (IWMU) attended a workshop on “Water and Stability Project”, organized by NWRC/Strategic Research Unit held at Marriott Hotel, June 14, 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:

- Organized, arranged, and participated in the 3 Awareness Workshops for all MWRI irrigation and drainage Undersecretaries & General Directors held in both Lower and Upper Egypt.
- AmidEast completed 90 hours English Language Course for 77 (25% female) MWRI staff at 9 locations. Training began in February and was completed end of June.
- Prepared, coordinated, and followed-up with the regional offices in Lower and 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.
- Started the arrangements for the attendance of MWRI Project sponsored participants for Sacramento ICID Conference to be held in October 2007.
- 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
6413	5274	1139	1454	1274	180

Training conducted during the reporting period is listed below:

No	Code	Event	Date	Venue	Days	Persons	Female
Task 1							
1	8.2.83	April Monthly Meeting	5-Apr-07	W.Sharkya	1	9	1
2	8.2.84	April Monthly Meeting	8-Apr-07	Zifta	1	7	2
3	8.2.85	April Monthly Meeting	17-Apr-07	Qena	1	17	4
4	8.2.86	April Monthly Meeting	15-Apr-07	Aswan	1	17	1
5	8.2.87	May Monthly Meeting	7-May-07	W.Sharkya	1	8	1
6	8.2.88	May Monthly Meeting	8-May-07	Zifta	1	7	2

No	Code	Event	Date	Venue	Days	Persons	Female
7	8.2.89	May Monthly Meeting	22-May-07	Qena	1	17	4
8	8.2.90	May Monthly Meeting	23-May-07	Aswan	1	17	2
9	8.2.91	June Monthly Meeting	11-Jun-07	W.Sharkya	1	7	1
10	8.2.92	June Monthly Meeting	12-Jun-07	Zifta	1	7	2
11	8.2.93	June Monthly Meeting	12-Jun-07	Qena	1	17	4
12	8.2.94	June Monthly Meeting	13-Jun-07	Aswan	1	17	2
Task 1							
13	1.9.1	LIFE IWRM Awareness Workshop	May 3-5	Luxor	3	32	1
14	1.9.2	LIFE IWRM Awareness Workshop	May 10-12	Mansoura	3	36	5
15	1.9.3	LIFE IWRM Awareness Workshop	May 17-19	Mansoura	3	36	3
Task 2							
16	1.7.1	English Language Training Course	Feb.-May	Qena	--	14	2
17	1.7.2	English Language Training Course	Feb.-May	Zifta	--	17	9
18	1.7.3	English Language Training Course	Feb.-May	W.Sharkya	--	32	4
19	1.7.4	English Language Training Course	April-June	Aswan	--	14	4
Task 2							
20	2.3.6.1	BCWUAs Chairpersons Orientation	23-Apr-07	Zifta	1	49	1
21	2.3.6.2	BCWUAs Chairpersons Orientation	24-Apr-07	Zifta	1	68	2
22	2.3.6.3	BCWUAs Chairpersons Orientation	29-Apr-07	W.Sharkya	1	90	1
23	2.3.6.4	BCWUAs Chairpersons Orientation	30-Apr-07	W.Sharkya	1	73	1
24	2.3.6.5	BCWUAs Chairpersons Orientation	8-May-07	Qena	1	75	1
25	2.3.6.6	BCWUAs Chairpersons Orientation	9-May-07	Qena	1	75	0
26	2.3.6.7	BCWUAs Chairpersons Orientation	10-May-07	Qena	1	94	0
27	2.3.6.8	BCWUAs Chairpersons Orientation	14-May-07	Aswan	1	71	2
28	2.3.6.9	BCWUAs Chairpersons Orientation	15-May-07	Aswan	1	60	0
Task 3							
29	3.3.2.4	Computer Maintenance	April 16-18	Zifta	3	12	5
30	3.3.2.5	Computer Maintenance	April 2-4	W.Sharkya	3	12	6
Task 4							
31	3.14.23	Water Distribution Meeting	10-Apr-07	Zifta	1	13	6
32	3.14.24	Water Distribution Meeting	11-Apr-07	W.Sharkya	1	7	1
33	3.14.25	Water Distribution Meeting	17-Apr-07	Aswan	1	12	2
34	3.14.26	Water Distribution Meeting	18-Apr-07	Qena	1	12	3
35	3.14.27	Water Distribution Meeting	19-Apr-07	Qena	1	11	4
36	3.14.28	Water Distribution Meeting	6-May-07	W.Sharkya	1	13	1
37	3.14.29	Water Distribution Meeting	7-May-07	Zifta	1	10	5
38	3.14.30	Water Distribution Meeting	16-May-07	Aswan	1	19	4
39	3.14.31	Water Distribution Meeting	31-May-07	Qena	1	15	4
40	3.14.32	Water Distribution Meeting	7-Jun-07	W.Sharkya	1	8	1
41	3.14.33	Water Distribution Meeting	6-Jun-07	Zifta	1	9	5
42	3.14.34	Water Distribution Meeting	13-Jun-07	Qena	1	14	3
43	3.14.35	Water Distribution Meeting	14-Jun-07	Aswan	1	12	2
Task 5							
44	3.26.2	Operation of Data Logger	April 8-10	W.Sharkya	2	13	9
45	3.26.3	Operation of Data Logger	April 11-12	Zifta	2	15	6
46	3.26.4	Operation of Data Logger	April 21-22	E.Qena	2	10	5
47	3.26.5	Operation of Data Logger	April 23-24	W.Qena	2	9	2
Task 6							
48	3.3.9.1	Water Quality Database	May 15-17	Qena	3	30	17
49	3.3.9.2	Water Quality Database	May 27-29	Aswan	3	18	7
50	3.3.9.3	Water Quality Database	June 17-19	W.Sharkya & Zifta	3	31	10
Task 5							
51	5.6.1	CDA/BCWUA DBAF O&M	April 2-7	Senbo	7	5	0
M&E Task							
52	8.7.1	Survey Data Collectors	June 2-4	W.Sharkya	3	30	1

No	Code	Event	Date	Venue	Days	Persons	Female
53	8.7.2	Survey Data Collectors	June 5-7	Zifta	3	30	1
54	8.7.3	Survey Data Collectors	June 16-18	Qena	3	53	4
55	8.7.4	Survey Data Collectors	June 19-21	Aswan	3	48	4

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.
- Supplied 7 ACs: 3 Aswan, 4 Qena
- Procured 1 Xerox machine for W. Sharkiya Directorate.

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.
- Complete development of IWMD complaints databases at General Directorate level.
- Finalize Guidelines.

Task 2: Formation of Branch Canal Water Users' Associations

The following activities are planned for the next quarter:

- Follow up BCWUAs activation in all IWMDs.
- Support IWMD staff in implementing participatory water management activities in each BCWUA.
- Continue assisting IWMDs in compiling process documentation.
- Prepare Year 4 work plan.

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 July 2007.
- Finalize work with IWMDs to determine branch canal command and irrigable areas using GPS survey.
- Installing and training on Directorate databases: water levels, complaints, groundwater, water quality, and MISD.
- Continue support to all water monitoring activities (water levels, discharges, and water quality).
- Train MWRI staff on data loggers.
- Conduct monthly water distribution coordination meetings.
- Complete water resources inventory and prepare IWMD/Directorate Water Management Plan for year 2007/2008
- Prepare Year 4 work plan.

Task 4: Improved Maintenance and Upgrading of Water Management Equipment

The following activities are planned for the next quarter:

- Prepare Year 4 work plan.

Task 5: Environmental Services for Improving Water Quality Management

The following activities are planned for next quarter:

- Continue training of technicians and laborers on operation and maintenance of the DBAF
- Transfer the DBAF in Senbo to CDA or to Tanta Water & Wastewater Company as recommended by MWRI upon the request of CDA.
- Continue the water quality monitoring program
- Prepare a brochure for publicity of the Task 5 activity.

- Review Agricultural Waste recycling program implementation alternatives.
- Start implementation of the GDA activity.
- Prepare the Year 4 work plan.

Task 6: Improved Wastewater Reuse Practices

The following activities are planned for the next quarter:

- Karim El-Jisr (Expat STTA) visit is scheduled for July 2007.
- Conduct environmental evaluation.
- Continue monitoring of water quality and cultivated crops.
- Continue training of the new graduates.
- Continue marketing of crops.
- Produce of one or two leaflets on the activity.
- Prepare the Year 4 work plan.

Task 7: Graduate Degree Training

The following activities are planned for the next quarter:

- Continue monitoring status and progress of trainees.
- Providing financial and logistical support for trainees.
- Continue arrangements for the attendance of MWRI project sponsored participants for Sacramento ICID Conference to be held in October 2007.
- Graduation of 2 US MS Degree Students from USU.
- Prepare Year 4 work plan.

Monitoring and Evaluation

The following activities are planned for the next quarter:

- Dr. Mark Svendsen (Expat. STTA) will carry out an assignment in July/August.
- Complete Year 3 Farmer Field Survey Report.
- Prepare M&E Report for Year 3.
- Prepare Year 4 work plan.

Education, Communication, Public Awareness and Participation

The following activities are planned for the next quarter:

- Review Success Stories prepared by WCU.
- Prepare the Third issue of the quarterly newsletter on success stories.
- Design and develop a brochure on environmental services for Improving Water Quality Management.
- Design and develop a brochure on the “Use of Treated Waste Water for Irrigation”.
- Prepare Year 4 work plan for Public Awareness, Education, and Communication Support activities with associated budget.

Training

The following training courses are planned for the next quarter:

ID	Course Title	Task	Events	Date	Venue
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3.26.6	GSM Operation of Data Loggers Awareness Workshop	3	2	July-August	Upper & Lower Egypt Directorates
3.3.9.4	Ground Water Database	3	4	August	Upper & Lower Egypt Directorates
6.4.6	Training for New Graduates at the Demo Site in Luxor	6	2	August – Sept.	Luxor
**	Annual Workplan Workshop	Cross-Cutting	1	Sept. 7-9	Palestine Hotel-Alexandria

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.
- Prepare Year 4 procurement plan.

IV. PROBLEMS AND ISSUES

Task 1: Formation of Integrated Water Management Districts

MWRI awareness of the concept of Integrated Water Management Districts should be increased. A set of awareness workshops was held to inform senior level officials on the benefits and achievements of the IWMDs formed under the Project. Lectures on integrated water management districts will now be included in the promotion courses of the MWRI engineers program held at the Regional Centre for Training and Water Studies.

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 has been conducted 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 project has completed construction of the DBAF treatment facility. Operators have been trained and the plant is fully operational. 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. Minister MWRI has sent a letter to the Minister of Housing on this issue.

The Senbo CDA has been unable to provide the land for implementation of the agricultural residual recycle activity. This has delayed implementation of this activity.

Task 6: Improved Wastewater Reuse Practices

None at this time.

Task 7: Graduate Degree Training

None at this time.

Monitoring and Evaluation

None at this time.

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

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 April – June 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		135,358	884,298	453,209	66		
Other Direct Costs	4,756,111		606,599	2,710,952	2,045,159	57		
Subcontractor Handling Fee	53,486		4,661	33,940	19,546	63		
Fixed Fee	338,090		46,884	205,528	132,562	61		
Total Cost Plus Fixed Fee	6,485,194	5,000,000	793,502	3,834,718	2,650,476	59	1,165,282	77

Source: IRG Invoices #1 – 32; estimate # 33

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		0	5,014,477	1,762,950	74		
Other Direct Costs	15,290,311		0	16,721,213	-1,430,902	109		
Subcontractor Handling Fee	98,769		0	54,658	44,111	55		
Fixed Fee	1,219,157		0	1,198,469	20,688	98		
Total Cost Plus Fixed Fee	23,385,664	23,385,664	0	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
34	Quarterly Report (January - March 2007)	April 2007