



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: 1st Quarter
(October - December 2006)
Report No. 32

January 2007

IRG International Resources Group

In association with EPIQ II Consortium

QUARTERLY REPORT
Year 3: 1st Quarter
(OCTOBER - DECEMBER 2006)

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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) 1st Quarter covering the period from October to December 2006. 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:

IFTAR was held on 3 Oct with H.E. the Minister MWRI, Richard Rousseau (USAID), Gary Robbins (USAID), Eng. Wafaa Faltaous (USAID), members of the Steering Committee, Eng. Gamil and IWMU staff; and LIFE IWRM TA team.

Eric Viala (LTTA, Expatriate Water Resources Management Specialist) traveled to US to participate in USCID Conference in Boise, Idaho from October 25-28, 2006. He presented several papers on project related activities: “Integrating Water Management in Egypt: From Concept to Reality”, “Matching Irrigation Supply and Demand in Egypt”, and “Decentralized Flow Monitoring in Egypt”.

A USAID/Egypt team visited project activities in Zifta Directorate on 28 November.

Year 3 Work Plan approved by MWRI and MSEA was submitted to USAID.

LTTA and STTA SOW submitted and approved by USAID.

PO for IWMU was renewed for Year 2006/07.

Proposal for GDA Alliance Proposal on Environmental Services for Improving Water Quality Management submitted to USAID.

Eng. Ebraheem Farag replaced Eng. El Otafy as the Aswan Irrigation Undersecretary.

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, four 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 was 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 272 BCWUAs already formed in Year 1 and were started for the remaining 329 formed in Year 2. This includes preparation of

internal regulations, annual maintenance priorities, and action plans. Internal regulations and maintenance plans have been prepared for 486 BCWUAs. Action plans have been prepared for 272 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 80 drain sites in the 27 IWMDs. Calibration curves for the 82 inflow/outflow sites were compiled. Daily water level data for over 1000 sites are being entered and biweekly inflows to all 27 IWMDs have been calculated for the period from May 2004 to the present. Five additional Campbell Scientific data loggers for continuous flow monitoring were procured and will be 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 started. 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. 1/25,000 digital base maps have been finalized and digitizing of canals, drains, and water monitoring sites for all 27 IWMDs completed.

The Final Report # 30 Task 4 “Improved Maintenance and Upgrading of Water Management Equipment Updated Farmer Assessment” was submitted to USAID.

Task 5 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. A water quality awareness campaign was conducted. The water quality monitoring program is on-going. Construction was completed on the 600 m³/day Dual Flow Aerated Bio-filters (DBAF) waste water treatment facility. The development of an environmental solid waste management program is on-going.

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. Meetings were held with USAID, 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 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 banners for display in the USAID lobby was completed. The MWRI Water Communication Unit began compiling IWMD and BCWUA success stories from each of the 27 IWMDs. An additional 400 Arabic copies of the “Discussion Guide” kit designed to support BCWUAs were printed and distributed.

The M&E Year 2 report was prepared. The Year 2 Farmer Survey report prepared by North-South Consultants was published. Consolidation of M&E Secondary data for summer 2006 was started.

The project conducted 16 training events, 11 Monthly Meetings and 10 Water Distribution Meetings during the quarter period with over 738 participants (15 % 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 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 is providing STTA to assist with integrated maintenance activities. Activities carried out during the report period by LIFE IWRM team included:

- On Nov 16, the new Governor of Aswan visited project activities in Edfo, and met with BCWUA representatives and IWMD staff. Eng. Nabil Fawzy (LIFE Upper Egypt Regional advisor) facilitated the visit.
- On Nov 28, a USAID Team visited project activities in Quesna and Santa IWMDs. They met with BCWUA representatives at El-Gaafaria canal. The USAID Team included Richard Rousseau (PSD Office Director), Jeremy Gustafson (Team Leader, Infrastructure Office), Suzanne Polak (Team Leader, Small Development Activities), and Eng Wafaa Faltaous (Project CTO). They were accompanied by Eng. Gamil Mahmoud (Chairman Steering Committee/Head IWMU), Dr. Jeff Fredericks (COP), Eng. Maher Khodary (Lower Egypt Project Regional Advisor), Dr. Wadie Mankarious and Eric Viala (Project Task Leaders).
- Monthly coordination meetings held with Undersecretaries, General Directors, and IWMD managers in the five target directorates. Dissemination of information, monitoring of progress, discussion of upcoming events, identification of roadblocks, sharing of experiences.
- IWMD managers prepared and submitted IWMD monthly reports to General Directors, who in turn prepared Directorate monthly reports.
- Preparation of three follow-up training events on Integrated Maintenance for IWMD staff (27/27 IWMDs).
- Finalization of Integrated Maintenance guidelines.
- Preparation of training events on IWMD establishment and organization (refresher courses) for IWMD and GD managing staff in all five target Directorates.
- Preparation of training events on Management for IWMD managers and section heads in Upper Egypt (16/27 IWMDs)
- All 27 IWMDs have established training rooms.
- Initiated development of complaints database at directorate level.

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

- Finalization of establishment of BCWUAs in all 27 IWMDs (through reorganization, some additional BCWUAs were formed in Quesna, Birket El-Sabaa, Zagazig, Abu Kebeer, and Ibrahimiya IWMDs). A total of 601 BCWUAs exist.

- Several IFTAR ceremonies were held in Lower and Upper Egypt to sign MOUs between the MWRI and newly formed BCWUAs.
- Activation and Orientation training events were held for IWMD staff in all 27 IWMDs to strengthen BCWUAs and their partnership with IWMDs.
- Seasonal meetings were held in all IWMDs. These seasonal meetings are used for district-level information sharing and discussions between IWMD staff and BCWUA representatives.
- Dissemination of Field Manual to all BCWUAs.
- Preparation of Participatory Water Management Training. This training will provide 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.

Directorate	W. Sharkiya	New Zifta	E. Qena	W. Qena	Aswan	Total
Established	151	105	102	124	119	601
MOUs	79	105	102	124	119	529
Internal regulations	79	62	102	124	119	486
BC priorities	79	62	102	124	119	486
Action Plans	23	36	29	56	42	186

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 (Water Resources Management Specialist) has taken leave from MWRI and has been assigned as full-time consultant to provide technical support. Dr. Tom Sheng (IRG) provides expat short-term technical assistance. Activities carried out during the report period by LIFE IWRM team included:

- Continued water quality monitoring efforts at over 380 sites.
- Well inventory ongoing in all IWMDs, 3500+ wells inventoried so far.
- All 84 canal inflow/outflow sites have been calibrated. Flow measurement continued at 82 drain sites.
- Biweekly supplies to all 27 IWMDs calculated for period May 2004-present.
- Water budgets for Summer 2006 being prepared by distribution engineers in all 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.
- 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 04-present.
- Finalization of MISD guidelines.
- 1/25,000 digital base maps finalized for all 27 IWMDs. IWMD staff has populated these maps by digitizing canals and drains, and locating water monitoring sites.

- Digital mapping training delivered to staff in all IWMDs to measure and delineate BC command areas through field work, use of GPS, and digital mapping software.
- Initiated development of water levels databases at directorate level.
- Continued support to computer maintenance in all IWMDs.
- 1/2500 maps (cadastral maps) being purchased and distributed to all IWMDs.
- Continued installation of water gages in all five target directorates to support flow monitoring and structure calibration (so far 59/119 installed).

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 October 2006.

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:

- USAID team visited the DBAF site on 28 November. The team included Richard Rousseau (PSD Office Director), Jeremy Gustafson (Team Leader, Infrastructure Office), Suzanne Polak (Team Leader, Small Development Activities), and Eng Wafaa Faltaous (Project CTO).
- The DBAF system was completed in August 2006 and is under testing. Water samples were collected and tested on a regular basis. Analysis of the November 1 sample showed that results are within Law 48 standards for all parameters.
- Ag Waste recycle STTA consultant prepared an initial report summarizing farmer requirements with recommendations for implementation.
- Groundwater pumping test was conducted.
- 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), jatropha (1 fd).

- The draft report on Marketing Survey study was prepared and is under review.
- Supplemental flower seedlings were provided to the site. As of December 31, 2006 a total of 1200 roses were sold to markets in Luxor.
- A groundwater pump test was conducted.
- Tanta Flax Oil Company committed to buy the flax yield this year. The company provided the project with the certified Flax seeds.
- Sample from milk of animals fed by sorghum planted at the Demo site was sent to the lab in Luxor for analysis. The results indicated no trace of contamination in the milk.
- Environmental monitoring continued.
- EEAA approved the Annual Work Plan.

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:

- Prepared M&E Year 2 report.
- Reviewed and modified the M&E SOW for year 3 of the project.
- Compiled the names of all branch canals located in the 27 IWMDs from different sources (M&E Field Survey, BCWUA files and synoptic diagrams prepared by MIC).
- Consolidated M&E secondary data for summer 2006.
- Held orientation meeting for Aswan Directorate Water Distribution and Information System staff on Project's 'Directorate Level M&E Implementation Strategy'.
- Checked and verified bi-weekly demand calculations at all Aswan and New Zifta directorates.
- Verified canals and IWMDs command areas in coordination with Agriculture Directorates.
- Reviewed the Year 2 field survey sample used by North South Consultants Exchange.

Education, Communication, Public Awareness and Participation

Patrick Papania (AED), Sr. Education, Communication, Public Awareness and Participation Specialist and 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:

- Completion of 10 banners for display in the USAID lobby.
- Printing of an additional 400 Arabic copies of the "Discussion Guide" kit designed to support BCWUAs. Items were distributed to each BCWUA chairman.

- Over 90 Success Stories from both the IWMDs and the BCWUA were collected by WCU from all 27 IWMDs.
- Printed and distributed annual calendars and agendas.
- 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:

- Attended the TraiNet training sessions held on December 4 - 6 at USAID, Egypt.
- Prepared draft PO for English Languages Training Courses with AmidEast – Training Provider.
- 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.
- Designed and initiated IWMD 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	leFema
4878	4101	777	738	631	107

Training conducted during the reporting period is listed below:

No	Code	Event	Date	Venue	Days	Persons	Female
Task 1							
1	8.2.60	Oct. Monthly Meeting	Oct. 9	Zifta& W. Sharkiya	1	16	2
2	8.2.61	Oct. Monthly Meeting	Oct. 17	Qena	1	18	5
3	8.2.62	Oct. Monthly Meeting	Oct. 18	Aswan	1	16	2
4	8.2.63	Nov. Monthly Meeting	Nov. 13	W. Sharkiya	1	13	3
5	8.2.64	Nov. Monthly Meeting	Nov. 14	Zifta	1	7	2
6	8.2.66	Nov. Monthly Meeting	Nov. 14	Aswan	1	16	2
7	8.2.65	Nov. Monthly Meeting	Nov. 14	Qena	1	17	4
8	8.2.70	Dec. Monthly Meeting	Dec. 13	Aswan	1	16	2
9	8.2.69	Dec. Monthly Meeting	Dec. 16	Qena	1	17	4
10	8.2.68	Dec. Monthly Meeting	Dec. 17	W. Sharkiya	1	13	1
11	8.2.67	Dec. Monthly Meeting	Dec. 19	Zifta	1	12	2
Task 2							
12	2.3.2.1	BCWUA Activation Workshop	Nov. 5-7	Zifta	3	29	5
13	2.3.2.2	BCWUA Activation Workshop	Nov.11-13	Qena	3	46	4

No	Code	Event	Date	Venue	Days	Persons	Female
14	2.3.2.3	BCWUA Activation Workshop	Nov.14-16	Qena	3	60	3
15	2.3.2.4	BCWUA Activation Workshop	Nov.20-22	W. Sharkiya	3	30	0
16	2.3.2.5	BCWUA Activation Workshop	Nov.25-27	Aswan	3	37	2
17	2.3.2.6	BCWUA Activation Workshop	Nov.28-30	Aswan	3	35	3
18	2.3.1.1	BCWUA Orientation Workshop	Dec.17-18	Aswan	2	14	2
19	2.3.1.2	BCWUA Orientation Workshop	Dec.19-20	Qena	2	20	4
20	2.3.1.3	BCWUA Orientation Workshop	Dec.24-25	Zifta	2	33	5
21	2.3.1.4	BCWUA Orientation Workshop	Dec.27-28	W. Sharkiya	2	33	0
Task 3							
22	3.3.13.1	Assess of BC Areas	Oct.1-2	W. Sharkiya	2	20	8
23	3.3.13.2	Assess of BC Areas	Oct.10-11	Zifta	2	21	6
24	3.3.13.3	Assess of BC Areas	Oct.15-16	Qena	2	19	3
25	3.3.13.4	Assess of BC Areas	Oct.17-18	Qena	2	16	1
26	3.3.13.5	Assess of BC Areas	Oct.26-27	Aswan	2	14	3
27	3.3.13.6	Assess of BC Areas	Oct.28-29	Aswan	2	16	4
28	3.3.14.1	Water Distribution Meeting	Oct. 11	W. Sharkiya	1	14	1
29	3.3.14.2	Water Distribution Meeting	Oct. 16	Aswan	1	14	2
30	3.3.14.3	Water Distribution Meeting	Oct. 19	Zifta	1	14	7
31	3.3.14.4	Water Distribution Meeting	Nov. 5	Aswan	1	9	1
32	3.3.14.5	Water Distribution Meeting	Nov. 7	Qena	1	11	3
33	3.3.14.6	Water Distribution Meeting	Nov. 9	W. Sharkiya	1	7	0
34	3.3.14.7	Water Distribution Meeting	Dec. 3	W. Sharkiya	1	6	0
35	3.3.14.8	Water Distribution Meeting	Dec. 4	Zifta	1	8	4
36	3.3.14.10	Water Distribution Meeting	Dec. 7	Qena	1	11	3
37	3.3.14.9	Water Distribution Meeting	Dec.25	Aswan	1	10	2
Cross Cutting Task							
38	8.3.2.1	USAID/MWRI Coordination. Mtg.	Oct. 3	Cairo	1	20	2
39	8.3.2.2	MWRI Coordination Meeting	Dec.12	MWRI-Cairo	1	10	0

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 3.
- Continued preparation of specifications and procurement of project equipment.
- Successfully installed and transferred all supplied equipment to MWRI.
- Supplied external hard drives to each Directorate.
- Procured 5 data loggers and one high end digital camera from US sources. Shipment successfully cleared customs and delivered to Project office.
- Procured 12 GSM modems for use with the data loggers.
- Supplied and installed one submersible pump to Luxor Wastewater Demo site.

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.
- Implement integrated maintenance follow-up training events (three) for IWMD staff in all IWMDs.
- Implement IWMD organization refresher training events (four) for IWMD and GD managing staff.
- Implement management training events (two) for IWMD and GD staff in Upper Egypt.
- Continue development of IWMD complaints databases at General Directorate level.
- Compile all guidelines prepared so far into an Integrated Water Management Handbook.

Task 2: Formation of Branch Canal Water Users' Associations

The following activities are planned for the next quarter:

- Conduct Participatory Water Management training events for IWMD staff in all 27 IWMDs.
- Support involvement of BCWUAs in water management activities.

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 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).
- Continue installation of marble staff gages.
- Install data loggers.
- Continue support for computer maintenance in all IWMDs.
- Conduct monthly distribution coordination meetings.
- Preparation of computer maintenance refresher training course.

Task 4: Improved Maintenance and Upgrading of Water Management Equipment

No activities are planned for next quarter.

Task 5: Environmental Services for Improving Water Quality Management

The following activities are planned for next quarter:

- Transfer the DBAF in Senbo to CDA or any agency recommended by MWRI.
- Training of technicians and laborers on operation and maintenance of the DBAF
- Continue the water quality monitoring program
- Continue the public awareness program on wastewater and agricultural waste management.
- Initiate implementation of the Agricultural Waste recycling program.
- Complete the performance test of DBAF in Senbo.

Task 6: Improved Wastewater Reuse Practices

The following activities are planned for the next quarter:

- Continue monitoring of water quality and cultivated crops.
- Continue training of graduates.
- Continue marketing of crops.
- Complete construction of civil works.

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:

- Dr. Mark Svendsen's (STTA) next visit is scheduled for February 2007.
- Analyze secondary M&E data from all project IWMDs for summer 2006.
- Work with General Directorates and District Managers to interpret the meaning and implications of Year 2 performance indicator values relative to baseline values.
- Coordinate with the project team to improve the quality and reliability of data coming through the IWMD information system.
- Prepare terms of reference for the third round of the M&E Field Survey.

Education, Communication, Public Awareness and Participation

The following activities are planned for the next quarter:

- Publish newsletter with Water Communication Unit regarding IWMD and BCWUA achievements and success stories.
- Prepare Arabic version of 10 USAID lobby display banners.
- Continue to provide education, communication, public awareness, and participation support for all Task areas with special attention to development of professionally produced and packaged set of training materials for Task #1 & #2.
- Maintain web-site.

Training

The following training courses are planned for the next quarter:

ID	Course Title	Task	Events	Date	Venue
1.4.1	Preventive Maintenance	1	3	January	Each Directorate 1 Lower, 2 Upper Egypt
1.3.2	Management Course	1	2	January/February	Qena & Aswan Directorates
1.6.1	District Establishment (Organization IWMD)	1	4	January	Each Directorate
2.3.4.1	Participatory Water Management	2	4	February/March	Each Directorate
3.3.2.1	Computer Maintenance	3	6	February/March	2 Lower Egypt-4 Upper Egypt
1.7.1	English Languages Training	1	7	February/March/April	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

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.

Task 2: Formation of Branch Canal Water Users' Associations

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

The Project is going to train IWMD staff in all 27 IWMDs on Participatory Water Management. This training will provide 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.

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 focusing on 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 DBAF site still has not been connected to the Senbo main electric power supply grid because of objections by local farmers to the power line alignment. The Governor Gharbiya at the request of HE Minister MWRI has agreed to help solve this issue.

Task 6: Improved Wastewater Reuse Practices

EEAA and MALR are reluctant to accept transfer of the Demo site at this time. Procedures and timing for the transfer of equipment and materials is under review. They are also reluctant to allow Graduates to plant on the fallow areas.

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 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
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
Patrick Papania	Senior Information, Education, & Communications
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 Education, Communication and Public Awareness & Participation Specialist
Dr. Mohamed Rami Mahmoud	Senior Water Resources Information Specialist
Eng. Safaa Khodary	IT Specialist

NAME	POSITION
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 October – December 2006 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		64,824	617,454	720,053	46		
Other Direct Costs	4,756,111		195,583	1,708,135	3,047,976	36		
Subcontractor Handling Fee	53,486		1,401	23,776	29,710	44		
Fixed Fee	338,090		14,399	129,297	208,793	38		
Total Cost Plus Fixed Fee	6,485,194	5,000,000	276,207	2,477,865	4,007,329	38	2,522,135	50

Source: IRG Invoices #1 - 26; estimate 27

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		544,663	4,833,938	1,943,489	71		
Other Direct Costs	15,290,311		1,470,970	16,676,981	-1,386,670	109		
Subcontractor Handling Fee	98,769		7,135	54,658	44,111	55		
Fixed Fee	1,219,157		111,252	1,186,107	33,050	97		
Total Cost Plus Fixed Fee	23,385,664	23,385,664	2,134,020	22,751,683	633,981	97	633,981	97

Source: IRG Invoices #1 – 25; estimate 26

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