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International Development



Ministry of Water  
Resources and Irrigation

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

**Quarterly Report**  
**Year 2: 2<sup>nd</sup> Quarter**  
**(January - March 2006)**  
*Report No. 24*

**April 2006**

**IRG** International Resources Group

**In association with EPIQ II Consortium**

**QUARTERLY REPORT**  
**Year 2: 2<sup>nd</sup> Quarter**  
**(JANUARY - MARCH 2006)**

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## I. SUMMARY

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

The purpose of this report is to present the status and performance of LIFE IWRM for Year 2 (2005/2006) 2<sup>nd</sup> Quarter covering the period from January to March 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:

USAID/CTO and Director MWRI IWMU visited Aswan Irrigation Directorate February 4-5.

A USAID/Egypt team visited various project activities in Qena governorate on February 7-8.

USAID/Egypt delegation met with H.E. Minister MWRI Dr. Mahmoud Abu Zied on 6 March.

Doug Clark, IRG Corporate VP and EPIQ IQC Manager, visited Egypt from 15 -23 February.

LIFE IWRM staff met with H.E. Minister MWRI Dr. Abu Zied on 21 February

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

Strengthening activities continued for 269 BCWUAs already formed in 11 IWMDs involving over 240,000 members, 5000 water user representatives and 1600 board members. Internal regulations have been signed for 143 BCWUAs. Establishment of BCWUAs was started for the remaining 16 IWMDs. Board elections were held for 106 BCWUAs. Over 300 BCWUAs will be established in these 16 Districts.

The water monitoring/discharge measurement program continued at 86 irrigation canal inflow/outflow sites in the 27 IWMDs. Water level databases were installed and calibration training was completed. 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 27 IWMDs on crops and cropping patterns. Water quality and groundwater monitoring equipment was delivered and training provided to all Districts.

At the request of USAID, a Task 4 Improved Maintenance and Upgrading of Water Management Equipment follow-up work plan was prepared to extend the study to include additional BCWUAs and pump maintenance providers.

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. The water quality monitoring program is on-going. Design reports for ag waste and liquid waste pilot interventions were completed. Senbo Community Development Authority (CDA) purchased land for the waste water treatment plant. The contract for construction was issued and construction started on the Dual Flow Aerated Bio-filters (DBAF) waste water treatment facility. The development of an environmental solid waste management and water quality awareness campaign was started.

The Luxor wastewater reuse demo site is operational. This activity is under direction of EEAA with support from MALR. Winter season crops are doing well. Environmental monitoring continued. Meetings were held with USAID, EEAA, and MALR to discuss environmental and economic aspects of the activity. Collection of data on market venues and market situation for flowers in Luxor was started. A training plan for the 5 graduates working on the demo site was prepared.

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

The revised IWRM District booklet was completed and 15,000 copies were printed and distributed. 2,000 BCWUA 2006 Calendars were printed and distributed. 3,000 teacups carrying the BCWUA campaign logo and slogan produced and distributed to BCWUA boards. 150 Arabic and 25 English BCWUA Discussion Guides were printed and distributed.

Terms of Reference were prepared and a request for quotation for a follow-up Year 2 M&E Field Survey of Farmers in Twenty-Seven Integrated Water Management Districts was issued. Improved procedures for collecting, analyzing, and reporting the M&E IWMD data were introduced.

Updated Year 2 Procurement Plan was sent to USAID.

The project conducted 25 training events during the quarter with over 700 trainees (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 assigned as Regional Advisor for Upper Egypt. He is supported by Eng. Yehia Youssef (IWMU). Eng. Maher Khodary (LTTA, Water Resources Management Specialist) is assigned as Regional Advisor for Lower Egypt. He is supported by Eng. Mohamed El Eng. Hamrawy (IWMU). Dr. Hisham Ali Mustafa is providing STTA to develop the management training course and Dr. Tarek Kotb is providing STTA to develop the integrated maintenance training course. Activities carried out during the report period by LIFE IWRM team included:

- Training completed and complaints database installed in all IWMDs (27/27).
- IWMDs continued updating of data for violations and complaints databases. Paper records are being entered into the databases.
- Preparation of training module for Management course ongoing.
- Draft guidelines on Integrated Maintenance Plan completed. Training material for Integrated Maintenance course under preparation.
- Monthly coordination meetings held with Undersecretaries, General Directors, and IWMD managers in the five target directorates.
- 27/27 IWMD managers prepared and submitted monthly reports to General Directors.
- 20/27 IWMDs have established training rooms.
- Eng. Gamil Mahmoud, Chairman USAID MWRI Steering Committee and Director IWMU, made a number of field visits to include Senbo Village (Zifta Directorate), West Sharkiya Irrigation Directorate, Aswan Irrigation Directorate, LIFE IWRM Lower Egypt Regional Office, Aswan IWMD, Zagazig IWMD, Quesna IWMD, and Berkit El Sabaa IWMD.
- Eng. Wafaa Faltaous, USAID/CTO, visited Aswan Irrigation Directorate February 4 – 5. She was accompanied by Eng. Gamil Mahmoud (MWRI IWMU), Jeff Fredericks (LIFE COP), and Eng. Nabil Fawzy (LIFE Upper Egypt Regional advisor).
- A USAID/Egypt team visited various project activities in Qena governorate on February 7-8. The USAID Team included Anthony Vance (Associate Director Environment and Infrastructure), Gary Robbins (Team Leader Agribusiness Competitiveness and Exports), Eng. Wafaa Faltaous (CTO), Nihal Montasser (Acquisition Specialist), Sahar Abd El Rahman (Financial Specialist), and Seba Auda (Program Office).

### **Task 2: Formation of Branch Canal Water Users' Associations**

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

- BCWUA activation training for 11 IWMDs with existing BCWUAs completed.
- 11 IWMDs with existing BCWUAs finalized implementation plans. Schedules prepared for holding IWMD-BCWUA meetings, approving internal regulations, and preparing maintenance priorities and action plans.

- In the 11 IWMDs where BCWUAs have already been established, 143/272 BCWUAs have approved Internal Regulations.
- BCWUA establishment training completed for IWMD staff in 16 IWMDs establishing BCWUAs this year.
- In the 16 IWMDs establishing BCWUAs this year, 106/320 BCWUAs have had board elections.
- H.E. the Minister MWRI signed BCWUA initiation decrees for all 16 IWMDs establishing BCWUAs this year.

### **Task 3: Equitable Allocation of Water Resources**

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

- Tom Sheng, Expat Information Specialist, carried out a two weeks assignment in February 2006.
- Flow monitoring of 87 main inflow/outflow canals in all IWMDs continued.
- Flow monitoring program on 89 main inflow/outflow drains was started.
- Calibration training of inflow/outflow canals for IWMD staff (75 trainees) completed. 67/87 sites calibrated.
- Water levels database training was completed. Updated water levels database was installed in all IWMDs (27/27). IWMDs are entering daily records for over 1000 sites into the database.
- MISD training completed. 19/27 IWMDs (all except Aswan directorate) have started preparing biweekly water requests based on actual cropping patterns.
- Groundwater and water quality monitoring training on-going. 23/27 IWMDs have received training.
- Groundwater equipment delivered and databases installed in all 27/27 IWMDs. More than 2000 wells inventoried so far.
- Water quality monitoring equipment delivered and databases installed for 27/27 IWMDs. About 200 canals, 120 drains and 20 wells are being monitored.
- 1/25,000 digital base maps for all IWMDs except Aswan Directorate completed. Preparation of training activities on digital mapping and GIS training activities for IWMD staff ongoing.
- Support to computer maintenance in all IWMDs ongoing.

### **Task 4: Improved Maintenance and Upgrading of Water Management Equipment**

Dr. Wadie Fahim Mankarious (IRG), Senior Organization/Institutional Development Specialist, is coordinator for this task. The assessment was conducted and a report submitted to USAID in September 2005. USAID has requested additional focus group meetings be conducted with the newly formed BCWUAs and an extended pump maintenance workshop survey be carried out in all Project target directorates. Activities carried out during the report period by LIFE IWRM team included:

- Follow-up work plan prepared and sent to USAID.
- SOW for a local consultant to conduct the Assessment Study prepared.

### **Task 5: Environmental Services for Improving Water Quality Management**

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

- A meeting with Senbo CDA and BCWUA was held with project staff on January 2 to finalize details for the DBAF waste water treatment facility to be installed at Senbo.
- As a result of a letter sent by H.E. Minister MWRI to Minister of Agriculture, land for the DBAF in Senbo was reclassified from agriculture to public utilities land.
- The contractor for the DBAF was selected and a letter to proceed was issued.
- A signing ceremony was conducted on 21 March in Senbo to hand over the site for construction of the DBAF system to the Contractor. The New Zifta General Director, Chairman of Senbo CDA, Chairman of Senbo BCWUA, the Contractor, and LIFE project staff attended.
- Meetings with Senbo village residents and the garbage collection contractor were held to begin preparation of the public awareness campaign to support Task #5 activities.
- Water quality monitoring activities continued.

### **Task 6: Improved Wastewater Reuse Practices**

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

- Roses, Bird of Paradise, Gladiolus, Indian Fig, Golden Dewdrop, Dodonea, Flax, Jojoba and Jatropha are the crops under cultivation at the Luxor demo site.
- Sorghum seeds were prepared and land preparation is underway for planting in April.
- EEAA, MALR, Luxor Waste Water Treatment Plant, and project staff held a coordination meeting in Luxor on January 26. Dr. Mawaheb (EEAA), Dr. El Hakeem (EEAA), and Eng. M. Moustafa (MALR) met with the 5 graduates and delivered lectures as training support.
- Health check-ups for the 5 graduates were conducted.
- USAID delegation visited the site on February 7-8, 2006. Visitors included Anthony Vance (Associate Director Environment and Infrastructure), Gary Robbins (Team Leader Agribusiness Competitiveness and Exports), Eng. Wafaa Faltaous (CTO), Nihal Montasser (Acquisition Specialist), Sahar Abd El Rahman (Financial Specialist), and Seba Auda (Program Office).
- A meeting with CARE Staff was held in Cairo to discuss training support for the Luxor demo site graduates on business management and marketing products.
- Collection of data on market venues and market situation for flowers in Luxor was started.
- A draft training plan for the graduates was prepared.
- Water quality monitoring continued.

### **Task 7: Graduate Degree Training**

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

- Continued monitoring 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 Trainees.
- Progress Report on status of MS Students (11) prepared.

### **Monitoring and Evaluation**

Dr. Ibrahim Ellassiouti (LTTA, 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:

- Mark Svendsen, M&E Specialist, conducted a two week assignment in February 2006.
- Year 1 M&E findings presented to IWMD Managers.
- M&E Plan was discussed with USAID, USAID/MWRI steering committee members, and H.E. Minister MWRI.
- Coordination with the information systems team to refine and regularize the IWMD information system.
- Sent a memo on use of Remote Sensing for determining crop yields to USAID.
- Advised Task #2 BCWUA team on preparing procedures for monitoring and evaluating success of establishing and activating BCWUAs.
- A term of reference for Year 2 Farmers' Field Survey was prepared.
- Prepared secondary data collection for summer 2005.
- Participated in MWRI Institutional Reform Unit "Impact Monitoring and Evaluation Workshop" held in Cairo Feb. 9, 2006.

### **Education, Communication, Public Awareness and Participation**

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

- The booklet for IWMDs was completed and approved. 15,000 copies were printed and distributed to all 27 Districts and Regional offices.
- 2,000 copies of a 2006 calendar highlighting BCWUAs were printed and distributed to board members of associations established in the initial 11 IWRM Districts.
- 3,000 tea glasses with the BCWUA campaign logo were produced and distributed to IWMDs for presentation to newly established boards.
- 1,000 hats carrying the BCWUA campaign logo and slogan were printed and distributed. 500 hats carrying the Life-Water logo and the IWMD slogan were printed and distributed.

- 150 Arabic copies and 25 English copies of the “Discussion Guide” kit designed to support field staff as they introduce water users to BCWUAs have been produced, distributed and are in use along with a CD data show.
- Preparation of 13 flip-charts based on the Discussion Guide is ongoing. Production of 30 sets is in process.
- Assistance was provided to WCU for the completion and distribution of the Arabic version of the Farmer Participation video entitled "Start with Yourself". The subtitling of the English version was finalized.
- WCU prepared a 10 minute video on the Luxor Waste Water Reuse demo for EEAA.
- Preparation of a Public awareness program for the Task #5 environmental quality activity was started.
- Discussions were held with IWMD managers to ensure that communication materials are reaching the districts and to gather feed-back and input to meet current communication needs.
- Project Highlights #6, #7, #8, #9 were written in English, approved and posted on the web-site. Work is underway on the Arabic versions.
- MWRI has requested that the planned governorate public awareness events be substituted with a presentation by H.E. Minister MWRI to the Prime Minister’s cabinet. A draft Arabic power-point presentation was completed and is under review.
- Project highlights were developed and approved for presentation on the USAID lobby bulletin boards.
- A press release was prepared for the Ambassador’s visit with BCWUA board members in Qena.
- The project web-site and photo archive were maintained.

### Training

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

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

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

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

Total to Date			Quarterly Total (Without OJT)		
Total	Male	Female	Total	Male	Female
3273	2750	523	716	601	115

Training conducted during the reporting period is listed below:

No	Code	Event	Date	Venue	No. of days	No. of Part	Female No.
1	2.2.7	Preparation Workshop (El Selsela-Kom Ombo – Wadi El Sayda)	Jan 1-4	Aswan	4	35	4
2	2.2.6	Preparation Workshop (Aswan-El Toweissa – Wadi El Nokra)	Jan 1-4	Aswan	4	43	4
3	2.2.5	Preparation Workshop (Nagaa Hamadi – Deshna)	Jan 16-19	Qena	4	33	6
4	2.6.1	Activation Workshop (Qesna – Zifta – Berket El Saaba)	Feb 26-28	Zifta	3	29	5
5	2.6.2	Activation Workshop (Abo Kebeer – Ibrahimia – Zagazig)	Feb 27-Mar 1	W. Sharkiya	3	30	4
6	2.6.3	Activation Workshop (Esna – E.Edfu&W.Edfu )	Mar 4-6	S. Qena & Aswan	3	43	10
7	2.6.4	Activation Workshop (Luxor & Arment)	Mar 7-9	South Qena	3	29	5
8	2.6.5	Activation Workshop (Ibrahimia & S.Zifta)	Mar 19-21	W. Sharkiya & Zifta	3	25	4
9	3.17.3	Water Level & Complaints DB	Jan 1-2	Aswan	2	13	3
10	3.17.4	Water Level & Complaints DB	Jan 3-4	Aswan	2	14	3
11	3.17.5	Water Level & Complaints DB	Jan 22-23	Qena	2	13	8
12	3.17.6	Water Level & Complaints DB	Jan 24-25	Qena	2	15	6
13	3.9.1	Water Quality & Ground Water	Jan 15-18	Zifta	4	19	4
14	3.9.2	Water Quality & Ground Water	Jan 22-25	W. Sharkiya	4	20	1
15	3.9.3	Water Quality & Ground Water	Feb 5-9	North Qena	5	25	6
16	3.9.4	Water Quality & Ground Water	Feb 19-23	South Qena	5	20	1
17	3.9.5	Water Quality & Ground Water	Mar 26-30	Aswan	5	17	2
18	3.25.1	Water Flow Calibration	Jan 29 –Feb 1	W. Sharkiya	3	17	3
19	3.25.2	Water Flow Calibration	Feb 5-7	Zifta	3	17	9
20	3.25.3	Water Flow Calibration	Feb 12-14	North Qena	3	14	5
21	3.25.4	Water Flow Calibration	Feb 26-28	South Qena	3	8	0
22	3.25.5	Water Flow Calibration	Mar 20-21	Aswan	3	6	3
23	3.25.6	Water Flow Calibration	Mar 22-23	Aswan	3	12	2
24	3.23.7	MISD Ag. Coordination Meeting	Mar 28-29	Aswan	2	210	15
25	6.4.1	Improving Water Reuse Practices Coordination Meeting	Jan 26	Luxor	1	9	2

### Procurement

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

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

The status of the commodity procurement program for Year 2 is presented below:

**Project Office Setup/Equipment (Cairo and Regional Offices)**

No	Item	Qty	Procured
Computer Equipment			
0-14	Notebook Computer	4	Delivered (3)
0-22	Color ink-jet printer	2	Delivered
0-26	Norton Utilities	12	Under Review
Training Equipment			
0-32	Digital Camera, small	3	Delivered (2)

**Performance Requirement I: Decentralized Management of Water Resources**

No	Item	Qty	Procured
District & Directorates Training Rooms Equipment Set (Training Room must be prepared before equipment is supplied)			
1-1-2	Standard Computer	15	Delivered (10)
1-13-2	Computer Tables	15	Delivered (6)
1-14	Computer Chairs	15	Delivered (6)
1-5-2	Color Printers	6	Under Review
1-6-2	Laser Printer	6	Under Review
1-4-2	Notebook Computer	4	Delivered (2)
2-4-2	Air-conditioning	15	Delivered (1)
3-1	Flip Charts Stands	28	Delivered (0)
3-2	TV Sets	18	Delivered (9)
3-3	VCRs	18	Delivered (9)
3-4	Data Show	1	Delivered
3-6-2	Projector Screens	15	Under Review
3-8-2	Furniture	18	Delivered (9)
3-11-2	Digital Cameras	5	Under Review
3-13-2	English language books	36	Delivered
3-14-2	Ceiling fans	40	Delivered (20)
3-15-2	Plotter	1	Delivered
District Mapping Equipment Set			
5-3	Paper Maps Scale	10000	Under Review
5-4-2	GPS	2	Under Review
5-6	Satellite imagery	30	Under Review
5-7-2	GIS Software	5	Delivered (5)
District / Directorate Water Monitoring Equipment Set			
6-8-2	Data logger with GSM Modem	1	Delivered
6-12-2	PDA Communicators	2	Under Review
6-13-2	Measurement Gage	100	Under Review
Directorate Water quality equipment Set			
7-1	Portable TDS	27	Delivered
7-2	PH Conductivity Do TM	16	Delivered
7-4	Connection to Computer	23	Delivered

## Performance Requirement II: Stakeholder Engagement in Water Resources Management

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

### III. ACTIVITIES PLANNED FOR NEXT QUARTER

#### **Task 1: Formation of Integrated Water Management Districts**

The following activities are planned for the next quarter:

- Conduct Management training course.
- Conduct Integrated Maintenance training course and assist IWMDs in the preparation of their Integrated Maintenance Plans.
- Conduct monthly coordination meetings with MWRI managing staff.
- Finalize updated complaints and violations databases and install in all IWMDs.

#### **Task 2: Formation of Branch Canal Water Users' Associations**

The following activities are planned for the next quarter:

- Continue BCWUA activation activities in 11/27 IWMDs where BCWUAs already exist.
- Continue BCWUA establishment in 16/27 IWMDs forming BCWUAs this year.

#### **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 2006.
- Complete preparation of 1/25,000 digital base maps.
- Conduct digital mapping and GIS training.
- Finalize and install final versions of water level database.
- Continue support to all water monitoring activities (water levels, discharges, water quality, and groundwater).
- Preparation of template for IWMD water resource inventory.
- Continuing support for computer maintenance in all IWMDs.

#### **Task 4: Improved Maintenance and Upgrading of Water Management Equipment**

The following activities are planned for the next quarter:

- Select local consultant to conduct the Assessment Study.
- Initiate the updated Assessment Study.

#### **Task 5: Environmental Services for Improving Water Quality Management**

The following activities are planned for the next quarter:

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

#### **Task 6: Improved Wastewater Reuse Practices**

The following activities are planned for the next quarter:

- Complete plantation of the summer crops.
- Complete construction of civil works.

- Finalize Irrigation and Crop Management Plan.
- Continue collection and analysis of soil, groundwater, and effluent samples.
- Continue Class-Training and OJT of the selected graduates.
- Work with MSEA/EEAA and MALR for transferring of the installed field equipment from LIFE to the approved agency.

### **Task 7: Graduate Degree Training**

The following activities are planned for the next quarter:

- Monitor status and progress of trainees.
- Provide financial and logistical support for trainees.
- Oversee procedure for the selection of additional trainees.

### **Monitoring and Evaluation**

The following activities are planned for the next quarter:

- Dr. Mark Svendsen, expat STTA, next visit is scheduled for May 2006.
- Select provider and start Farmer Survey.
- Implement a training program for district staff who will serve as survey enumerators and supervisors for the field survey.
- Undertake all steps necessary for entry, checking, processing and analysis of the responses to the field survey.
- Assemble and analyze M&E data for annual project report.

### **Education, Communication, Public Awareness and Participation**

The following activities are planned for the next quarter:

- Distribute and promote English/Arabic versions of the Discussion Guide” & communication tool kit for expanded use nationally and/or regionally.
- Update the Year 2 communication plan and matrix of proposed communication and public awareness products based upon technical team priorities.
- Complete production and distribution of hats and BCWUA campaign glasses.
- Improve process for collecting, writing, and distributing Highlights/Success Stories.
- Finalize and distribute a package of large charts based upon the Discussion Guide material for use with large groups when electronic equipment is not available for projecting the power-point version.
- Develop other communication materials i.e. a “leave-behind” flyer based upon the Discussion Guide material.
- Maintain web-site.
- Continue to provide education, communication, public awareness, and participation support for all Task areas with special attention paid to a Solid Waste Management campaign for Task #5, documentation of Task #6 activities, and support for both the establishment and activation of Task #2 BCWUAs.

### **Training**

Greg Olson, Expat STTA, will review and update training documentation and reconciliation procedures.

The following training courses are planned for the next quarter:

<b>ID Code</b>	<b>Course Title</b>	<b>Type</b>	<b>Events</b>	<b>Date</b>	<b>Venue</b>
1.2.1	Integrated Channel Maintenance	Class	3	Apr	Each Directorate
3.9.6	Water Quality & Ground Water	Class/Field	1	Apr 8-13	Aswan Districts
3.15.1	Digital Mapping	Class/Field	6	Q3	Each Directorate
3.16.1	GIS Training	Class	2	Q3	Cairo
6.1.1	Improving Water Reuse Practices – Graduate Training - Growing Flowers	Class/Field	1	Apr 1	Luxor
6.4.2	Improving Water Reuse Practices Coordination Meeting	Meeting	1	Apr 6	Luxor

### **Procurement**

Projected procurement activities for next quarter include the following activities:

- Greg Olson, Expat STTA, will review and update procurement and inventory procedures.
- Continue procurement, supply, and installation of commodities.
- Prepare MWRI equipment transfer procedures as required.
- Transfer delivered equipment to MWRI.
- Complete equipment inventory.

## IV. PROBLEMS AND ISSUES

### **Task 1: Formation of Integrated Water Management Districts**

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. Consequently their needs in terms of budget, facilities, and resources are greater. The Project is collaborating with and lobbying the MWRI to identify those needs and address them.

### **Task 2: Formation of Branch Canal Water Users' Associations**

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

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

The effort for establishing BCWUAs over five directorates is significant, as compared to previous similar activities. In order to address this, both BCWUA establishment and activation activities are being implemented and managed locally by IWMDs. To that end, training courses have been synthesized and simplified.

This new approach, using IWMDs to directly form BCWUAs, is more cost-efficient, empowers IWMD staff, and ensures a direct partnership between IWMD staff and BCWUA representatives.

This new pragmatic process emphasizes rapid establishment of BCWUAs. By immediately solving conflicts and issues, BCWUAs can then bring benefits to their members and demonstrate their credibility. A drawback to this rapid approach is the difficulty to systematically involve women as Water User Representatives (WURs) and Board members. This is being addressed through specific awareness activities on gender equity.

### **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 the identification and capacity building 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**

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

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

**Task 6: Improved Wastewater Reuse Practices**

None at this time.

**Task 7: Graduate Degree Training**

None at this time.

**Training**

None at this time.

**Procurement**

None at this time.

## V. STAFF LEVEL OF EFFORT

The LIFE IWRM 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
Dr. Khaled Wasief	Institutional/Organizational Development Specialist
Mahmoud Said	Administration and Procurement Coordinator
Dahlia Hamdy	Workshop/Training Coordinator
Nermin Mokhtar	Accountant/Financial Manager
Amany Mahmoud	Administrative Assistant
Shehab Younis	Administrative Assistant (Lower Egypt)
Nahid Nabil	Administrative Assistant (Upper Egypt)

**SHORT TERM STAFF DURING THE REPORT PERIOD****EXPATRIATE**

NAME	POSITION
Doug Clark	IRG Corporate VP; EPIQ II Project Director
Cheryl Groff	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

NAME	POSITION
Dr. Hisham Ali Mustafa	Senior Education, Communication and Public Awareness & Participation Specialist
Dr. Mohamed Rami Mahmoud	Senior Water Resources Information Specialist
Dr. Tarek Kotb	Irrigation & Drainage Maintenance 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 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		61,747	417,618	919,889	31		
Other Direct Costs	4,756,111		214,449	1,277,856	3,478,255	27		
Subcontractor Handling Fee	53,486		3,548	22,055	31,431	41		
Fixed Fee	338,090		15,386	94,567	243,523	28		
Total Cost Plus Fixed Fee	6,485,194	5,000,000	295,130	1,812,096	4,673,098	28	3,187,904	36

Source: IRG Invoices #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17; estimate 18

**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		572,300	3,126,272	3,651,155	46		
Other Direct Costs	15,290,311		1,940,111	10,932,816	4,357,495	72		
Subcontractor Handling Fee	98,769		12,690	38,659	60,110	39		
Fixed Fee	1,219,157		138,881	775,376	443,781	64		
Total Cost Plus Fixed Fee	23,385,664	23,385,664	2,663,981	14,873,123	8,512,541	64	8,512,541	64

Source: IRG Invoices #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16; estimate 17

## 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