



**United States Agency for  
International Development**



**Ministry of  
Water Resources & Irrigation**

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

# **Quarterly Report** **(April-June 2005)**

*Report No. 5*

**July 2005**

**QUARTERLY REPORT  
(APRIL - JUNE 2005)**

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## I. SUMMARY

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

The purpose of this report is to present the status and performance of LIFE IWRM for Year 1 (2004/2005) 3rd Quarter covering the period from April – June 2005. The quarterly report has the following content: summary of project activities and accomplishments for this quarter, planned activities for the following quarter, problems and issues, staff level of effort, status of finance and expenditures, and list of reports.

A summary of the activities for the quarter follows:

Eng. Wafaa Faltaous has replaced Dr. Hagan as CTO.

A farewell ceremony was held for Ross Hagan, USAID Project CTO, on 21 June at MWRI. The ceremony was attended by H.E. Minister MWRI, James Harmon (USAID), Eng. Gamil Mahmoud (Chairman of the MWRI USAID Project Steering Committee and Director Integrated Water Management Unit-IWMU), members of the MWRI LIFE Project Steering Committee, and members of the LIFE IWRM TA team.

H.E. Minister MWRI and Eng. Gamil Mahmoud conducted an inspection visit of two of the new IWMDs in Zifta Directorate on 29 June. Dr. Bahaa Saad, Head of the Irrigation Department, accompanied the Project team on a visit to the Qena Directorates.

Formation of the 23 new IWMDs in the target Directorates has been completed. The total number of IWMDs including those formed under RSC/WP is now 27 and includes all the Districts in the 5 target Directorates. A training program on “Establishment of IWMDs” was given to all IWMD District managers and their four section heads. Three of the 27 IWMD managers and 25% of the section heads are women. All administrative and technical staff has been officially assigned to the IWMDs. To limit transfer of trained engineering staff, H.E. Minister MWRI issued a letter instructing that transfer of engineers in the Project Directorates should be done in coordination with IWMU.

The Project is focusing on establishing BCWUAs in all branch canals in the 5 target Directorates and strengthening the original 96 formed under the USAID RSC/WP. For Year 1, 8 Districts, four in Upper Egypt and four in Lower Egypt are being targeted for BCWUA establishment. District staff in these IWMDs have been selected and assigned to support the BCWUA formation process. Three formal training courses have been conducted. Board elections have been completed for 107 BCWUAs. Training on strengthening was given to BCWUAs established in the four original IWMDs. An official memo was prepared and approved by the H.E. Minister strengthening the role of District Managers in establishing BCWUAs.

Computer and office equipment have been supplied and installed at all the new IWMDs. The computers have been connected through LANs. Basic computer training was provided to over 300 MWRI staff. Review and modification of five different project databases was started. Procedures for preparing digital project base maps using 1:25,000 scale topographic maps and satellite imagery were prepared.

Water Monitoring Plans were prepared by IWMDs. A water discharge measurement program was started at over 70 sites. MWRI has supplied 37 current meters to support the water monitoring program. These are being calibrated and distributed to IWMDs. Small boats for flow measurement were fabricated, tested, certified, and delivered to each IWMD. GPS equipment was supplied to all IWMDs.

A rapid assessment to determine the needs of the private sector in the repair and maintenance of agriculture and irrigation tools and equipment and the capacity of vocational and technical schools to provide training to support these needs was completed. A report with recommendations is under preparation.

Activities continued on the Environmental Services for Improving Water Quality Management Sinbo Pilot project. A feasibility study on solid and liquid waste alternatives was completed. A socio-economic baseline survey was conducted on 200 households. Key stakeholders were identified. A proposal was prepared for the Japanese Embassy to leverage grant funds for construction of a Waste Water Treatment system. The water quality monitoring program continued. The capacity building of Sinbo Community Development Association and the Sinbo BCWUA began.

A revised Wastewater Reuse work plan was approved by USAID and EEAA. The USAID Mission Director signed a letter to the Minister of MSEA requesting MSEA support from Governor of Luxor to approve a new 5 feddan area closer to the Luxor Waste Water Treatment Plant. Water quality tests were conducted on the treatment plant effluent. EEAA requested that the Egyptian Standards on Re-Use of Treated Wastewater be signed and approved before beginning implementation of this activity.

Eight MWRI staff were identified for advanced MS degree training. All have taken the TOEFL exam. Two were admitted by Utah State University for the fall 2005 MS program. Two persons will attend American University Cairo. The remaining candidates will be given an opportunity to enroll in MS programs at an Egyptian University.

Over 50,000 folders, brochures, pamphlets, and posters for use in meetings and training events for IWMD and BCWUA formation have been printed and distributed. A video/CD on Integrated Water management has been distributed and a video/CD on BCWUAs is under preparation.

A monitoring and evaluation data base for collecting basic data on the IWMDs was developed and issued to IWMDs. A baseline farmer survey involving over 5000 respondents in the 27 IWMDs was started.

The project conducted 50 training events during the quarter with over 1200 trainees (20% female). A presentation by IWMU on gender issues was given to the Under Secretaries, General Directors, and IWMD District managers from Zifta and W. Sharkiya at the June monthly coordination meeting.

## II. ACCOMPLISHMENTS DURING THE REPORT PERIOD

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

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

- Implementation of training activities in both Upper Egypt directorates on organizational management and staffing of IWMDs. Trainees included director and four section heads for each IWMD.
- Monthly coordination meetings were held with MWRI managing staff (Undersecretaries, General Directors, and IWMD directors) within the five target directorates to disseminate information, monitor progress, discuss upcoming steps, identify roadblocks, and share experiences.
- Preparation and approval of a template for monthly reports to be prepared regularly by each IWMD.
- Support to assignment and definition of responsibilities of all technical and administrative staff (ongoing).
- Support to the division of Qena directorate into two directorates (East and West).
- Support to identification and allocation of facilities for IWMDs.
- Support to the preparation and ratification of decrees confirming the IWMDs, their definition, staffing, etc.:

Type	Lower Egypt (2 directorates)	Upper Egypt (3 directorates)
Initiation of process	Decree 541/2004 (Nov 10)	
Assignment of IWMD directors	Decree 916/2004 (Dec 21)	Qena decree 1008/2004 (Dec 28), Aswan decree 277/2005 (April 14)
Assignment of engineers to IWMDs	Decrees 94/2005 (Feb 2) and 102/2005 (Feb 15)	
Definition of boundaries	Decrees 144/2005 and 146/2005 (March 13)	Decrees 242/2005 (April 29), and 145/2005 (March 14)
Assignment of other technical and administrative staff	Under secretarial decrees 81/2005 and 58/2005 (April)	Under secretarial Decree 105/2005 (May) for Qena, Aswan pending

- In order to resolve administrative and financial issues related to the transfer of EPADP staff to the IWMDs, Eng. Gamil, Head of IWMU, called for a meeting with Dr. Bahaa Saad, Chairman of the Irrigation Department (ID), Eng. Abd-El Hakeem, Chairman of EPADP and others. It was agreed that during the 2005-6 fiscal year all the financial support for the drainage staff and activities will come through EPADP and that for the next FY the corresponding budget will be transferred to the ID budget for the benefit of the IWMDs. A protocol was also signed between EPADP and ID Chairmen to facilitate staff transfer and ensure IWMD support and collaboration with EPADP projects.
- Eng. Gamil accompanied H.E. the Minister on a visit to Quesna and Zifta Districts. H.E. the Minister showed significant interest and support in the establishment and

functioning of the IWMDs. Additional resources and notably incentives will be considered by the MWRI to support IWMDs.

- Eng. Gamil (IWMU), Dr. Bahaa Saad (Head of Irrigation Department), and Jeff Fredericks (LIFE IWRM) attended in Qena the Monthly Coordination Meeting for East and West Qena Directorates. All IWMD Managers, both General Directors, the Undersecretary of Qena and the Upper Egypt Regional Advisor participated. The meeting discussed the progress of establishing IWMDs, the successes and the issues faced. Field visits were made to the 5 IWMDs of Luxor, Armant, Qous, Esna and Qena.

## 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). Eng. Essam Barakat (MWRI), Eng. Ahmed Abdel Monsief (MWRI), Eng. Atef El-Kasheif (MWRI), Eng. Mohamed Ezzat El Shafie (MWRI), Eng. Salem Mohamed Salem (MWRI), Eng. Refaat Sediek Abdallah (MWRI), Eng. Tarek Mohamed Ibrahim (MWRI), and Eng. Khaled Mohamed El-Mandouh are providing local STTA support. Activities carried out during the report period by LIFE IWRM team included:

- Updating of training courses and material for BCWUA establishment (ongoing).
- Implementation of two BCWUA establishment training courses (Data Collection and Canal Grouping) in eight districts selected for first year (two per target directorate). Trainees are district level IAS staff.
- Implementation of corresponding On-the-Job training activities by district level IAS staff under the supervision of IWMD directors. These activities focus on definition of BCWUAs to be formed, formation of Representative Assemblies, community mobilization, and water user awareness.
- Status of BCWUA establishment:

<b>IWMD</b>	<b>Esna</b>	<b>Armant</b>	<b>East Edfo</b>	<b>West Edfo</b>	<b>Abu-Kebeer</b>	<b>Zagazig</b>	<b>Quesna</b>	<b>Berket El Sab'a</b>	<b>Total</b>
<b>Activity</b>									
<b>Total BCWUAs</b>	24	25	20	24	22	23	23	13	174
<b>Entry Phase</b>	24	25	20	24	11	11	10	6	131
<b>RA Election</b>	24	25	19	24	11	9	8	4	124
<b>Board Election</b>	24	25	19	24	7	6	6	3	107

- Implementation of three additional BCWUA strengthening activities in the four pilot IWMDs where BCWUAs were established last year. These activities focus on supporting the development of Internal Regulations by the boards of BCWUAs. About 30 of the existing 94 BCWUAs were trained this quarter.
- Status of BCWUAs strengthening in four pilot IWMDs:

<b>IWMD</b>	<b>West Esna</b>	<b>Luxor</b>	<b>Zifta</b>	<b>Ibrahimiya</b>	<b>Total</b>
<b>Activity</b>					
<b>BCWUAs</b>	7	30	26	31	94
<b>Trained</b>	7	30	11	16	64

- A memo was prepared by the project and the IWMU seeking H.E. the Minister's approval for empowering IWMDs to directly establish and/or strengthen BCWUAs with minimum support from IAS. Dr. Bahaa Saad, Chairman of Irrigation

Department supported this revised strategy and reviewed the document before it was sent to the Minister. H.E. the Minister approved the new strategy and requested the project to prepare a training plan for the district staffs, a monitoring plan, and identify the role of the Central Directorate IAS.

- Revision of the BCWUA formation process for the IWMDs to directly establish and activate BCWUAs (ongoing).

### **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), Dr. Ragab Ali Abdel Azim (MWRI), and Dr. Mohamed Rami Mahmoud (MWRI). Dr Tom Sheng (IRG) provided short-term technical assistance.

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

- Dr. Tom Sheng, Expat STTA, carried out a two week assignment during May 2005.
- Updating of training courses and material for improved water management at district-level (ongoing).
- Identification and assignment of water monitoring and water distribution staff within IWMDs (ongoing).
- Definition and approval of monitoring network within each district.
- Facilitation of the calibration and transfer to districts of 25 current-meters (new equipment previously owned by Telemetry Department).
- Initiation of water flow monitoring and structure calibration program both at directorate and district levels (ongoing).
- Status of flow monitoring activities:

<b>Directorate</b>	<b>Zifta</b>	<b>W. Sharkiya</b>	<b>East Qena</b>	<b>West Qena</b>	<b>Aswan</b>	<b>Total</b>
No of sites to be monitored	25	20	12	13	20	90
No of points monitored	25	20	12	13	4	74

- Updating of water flow measurement and structure calibration procedures (ongoing).
- Procurement and installation in each IWMD of three computers and related office equipment (two printers, one scanner, one photocopy machine, one fax, etc.).
- Implementation of courses on basic computer skills in each IWMD.
- Preparation of courses on computer maintenance.
- Review, modification, and development of Matching Irrigation Supply and Demand, complaints, violations, water levels, and discharge project databases were started.

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

Ms. Cheryl Groff (AED), Sr. Education, Communication, and Public Awareness and Participation Specialist, is coordinator for this task. She is being assisted Dr. Wadie Fahim Mankarious (IRG), STTA Technical Advisor. Activities carried out during the report period by LIFE IWRM team included:

- Interviews were conducted with the staff of eight Technical Agricultural, Commercial and Industrial schools in Upper and Lower Egypt. The following are the schools

which have been interviewed at their locations: Edfu Industrial Secondary School; Edfu Commercial Technical School; Edfu Technical Agricultural School; in Edfu, Aswan Governorate; Luxor Industrial School, Luxor commercial School, Luxor Agricultural School, in Qena Governorate; Amr Allah Baleigh Industrial Secondary School; Kafr Negm Commercial Technical School; at Ibrahimiya District, Sharkiya Governorate.

- Focus group meetings were conducted also with Branch Canal Water Users Boards in Edfu, Aswan, Luxor, Qena and Ibrahimiya, West Sharkiya. The total number of boards attended the meetings was 9 and the number of participants was 35 members.
- One interview with one of the owners of pumps repair workshop in Sharkiya was conducted
- The draft report with recommendations is under preparation.

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

Dr. Wadie F. Mankarious, IRG STTA, is the Task Leader of this activity. Eng. Mohamed Hamed (IWMU) is coordinating this task for MWRI/IWMU. Activities carried out during the report period by LIFE IWRM team included:

- A draft feasibility study report was prepared by the consultant (EQI) on Sinbo Branch Canal, South Zifta IWMD, Zifta Directorate as a pilot project area. The report was submitted to MWRI and USAID for comments.
- A field survey was conducted to understand the status quo of solid waste collection, sanitation and water quality and also to know people satisfaction with the provision of these services.
- Field study trips were arranged for the CDA and Sinbo BCWUA Board members. The study trips were to Katamaya, Cairo to visit solid waste recycling site. Another visit was conducted to Hawamdia District to visit a DBAF wastewater treatment plant.
- A training course on “Financial Management” for the CDA and BCWUA Board Members was conducted.
- The proposal to the Japanese Embassy to leverage Japanese grant funds for construction and equipment for the Sinbo Liquid Waste Water Treatment Pilot was submitted. A meeting was held with the Japanese Embassy, CDA, USAID, IWMU, and LIFE IWRM to discuss the proposal.
- On the Job Training Program was conducted for the district technicians to enhance their capability to survey groundwater wells within the pilot area. The well locations will be plotted and a groundwater sampling program prepared.
- A field visit for the CDA and BCWUA members to the Agricultural Waste Recycling Center at Moshtohor was arranged by the project. Thirteen participants attended. The purpose of the visit was to introduce the different techniques of agricultural recycling to the members.
- The appointment of wastewater, agricultural wastes recycling management specialists was made through two purchase orders.
- Water quality sampling for Sinbo Canal and Damnhore El Wahsh Drain continued. Sampling is being carried out by MWRI Central Water Quality Laboratory.

## Task 6: Improved Wastewater Reuse Practices

Dr. Wadie Fahim Mankarious (IRG), STTA Technical Advisor, is local coordinator for this task. He is assisted by Eng. Mohamed Hamed (IWMU). Activities carried out during the report period by LIFE IWRM team included:

- A coordination meeting was held at EEAA, Cairo between USAID, EEAA, and LIFE IWRM staff to discuss status of the Waste Water Reuse code and next steps.
- A joint field trip was made by USAID, LIFE IWRM, MALR, and MWRI staff to Luxor Waste Water treatment plant and demo site. It was recommended to shift the demo site closer to one of the final waste water treatment plant retention ponds.
- Additional water quality tests were conducted at Luxor demonstration site.
- A letter from USAID to Minister of MSEA was prepared and signed by the USAID Director requesting support of MSEA to the Governor of Luxor to approve the area for the demo site.
- LIFE IWRM, MALR, and MWRI staff recommended shifting the demo site closer to one of the final waste water treatment plant retention ponds.
- LIFE project has submitted some comments and observation on the Egyptian Code for Wastewater re-use to USAID who sent it to Ministry of Housing to be considered before issuing the final version.
- The Egyptian Code for Wastewater re-use was signed.
- A purchase order was issued for an Agricultural Field Implementation Specialist to work at the demo site.

## Task 7: Graduate Degree Training

Dr. Ibrahim Elassiouti (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:

- H.E. Minister of Water Resources and Irrigation selected the following two engineers to study in USA for a Master Degree. They both passed TOEFL test with score over 550.

<u>Name</u>	<u>Position</u>	<u>Degree</u>
Mohamed Hamed Maamoun	Ass. Researcher, Hydraulic Research Inst. NWRC, MWRI	B.Sc. in Civil Engineering Zagazig University Grade: V. Good
Hussein Aly Morsy Batt	Irrigation Improvement Sector, MWRI	B.Sc. in civil engineering Cairo University Grade: Good

- Assisted these two engineers with application formalities at College of Engineering, Utah State University for Fall 05 admission.
- Assisted in enrolling overseas master's candidates to take the Graduate Record Examination (GRE) general test.
- Steps have been taken in selecting four candidates who will attend a masters program at Egyptian Universities.

## **Monitoring and Evaluation**

Dr. Ibrahim Ellassiouti (LLTA, DCOP) is coordinator for this component. Eng. Alaa Abbas (IWMU) and Dr. Khaled Wasief (MWRI) are providing local STTA support. Dr. Mark Svendsen (DAI) is providing Expatriate STTA support. Activities carried out during the report period by LIFE IWRM team included:

- Dr. Mark Svendsen, Expatriate STTA, carried out a two week assignment during 7-21 May 2005.
- The farmer survey questionnaire was finalized; the questionnaire pre-test was conducted; and the questionnaire sampling plan design was prepared.
- Terms of reference for field survey work needed to collect baseline and routine survey were prepared.
- Secondary data needs for the first year evaluation report preparation scheduled for mid-August were identified.
- The data collection program for computing the indicators in the M&E plan was started.
- Quotations from four local firms for the farmer field survey were received and evaluated.
- A purchase order was issued to North South Consultant Exchange to:
  - Implement a training program for district staff who will serve as survey enumerators and supervisors for the field survey
  - Organize and monitor the administration of the questionnaire to a sample of 5000 respondents in 27 IWMDs.
  - Undertake all steps necessary for entry, checking, processing and analysis of the responses to the field survey.
  - Prepare a report presenting and discussing the findings

## **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) is providing STTA support. Activities carried out during the report period by LIFE IWRM team included:

- 2,500 Project brochures in English & Arabic were printed and distributed to Regional and IWMD offices.
- Project stationary, envelopes, and business cards to promote project identity were finalized and printed.
- Worked with Task #3 team to design, gain approval, and launch the Project website.
- 5,000 BCWUA Booklets for Board & Representative Assembly members were printed, and distributed to Regional Offices.
- 30,000 BCWUA FAQ Flyers for branch canal water users were printed, and distributed to Regional Offices.
- Reviewed IWRM video with MWRI Senior Management and re-edited program as needed. Program was approved and is in use during Task #1 and Task #2 trainings.
- Four members of the Water Communication Unit staff have been engaged in various cross-cutting communication activities including re-editing the IWRM video, still photography, planning, writing, and design consultation for print materials.
- Designed and produced signage for Regional Offices.
- Started review of training materials for Task #1 and #2.

- Reviewed related campaigns and collected relevant materials.
- Drafted memorandum and initiated cooperation with the Water Board project on communication products and activities.

## Training

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

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

- Identified, negotiated prices, and prepared purchase orders for services of training providers as required.
- Prepared, coordinated, and followed up with the regional offices in Lower & Upper Egypt for all project related training programs.
- Carried out training evaluation for all courses.

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
1185	945	240	449	332	117

Training conducted during the reporting period is listed below:

No	Code	Event	Date	Venue	No. of days	No. of Part.	Female No.
1	2.3.5	Water Users Orientation 2 (OJT)	Mar.26-Apr. 11	Qena	15	48	10
2	2.3.6	Water Users Orientation 2 (OJT)	Mar.26-Apr. 11	Aswan	15	45	4
3	2.3.7	Water Users Orientation 2 (OJT)	Mar.29-Apr.16	Zifta	15	46	11
4	2.3.8	Water Users Orientation 2 (OJT)	Mar.29-Apr.16	W.Sharkiya	15	49	9
5	2.13.25	Conflict Management & Internal Regulations (OJT)	Mar.29-Apr.14	Luxor	15	41	6
6	2.13.26	Conflict Management & Internal Regulations (OJT)	April 2-18	Zifta	15	43	7
7	2.13.27	Conflict Management & Internal Regulations (OJT)	April 2-18	Ibrahimiya	15	38	6
8	1.1.3	District's Establishment (IWMD Organization) Orientation	April 4-6	Qena	3	26	5
9	1.1.5	District's Establishment (IWMD Organization) Orientation	April 5-7	Qena	3	37	7
10	5.1.2	Field Study Tour	April 6	Giza & Katamaya	1	19	2
11	2.4.3	Data Collection & Stakeholders Analysis	April 9-11	Qena	3	53	11
12	2.5.3	Data Collection & Stakeholders Analysis (OJT)	April 12-28	Qena	15	53	11
13	2.13.6	Conflict Management & Internal Regulations	April 12-14	Qena	3	35	4
14	2.13.28	Conflict Management & Internal Regulations (OJT)	Apr. 16-May 2	Qena	15	35	4

No	Code	Event	Date	Venue	No. of days	No. of Part.	Female No.
15	4.1.1	Focus Group Discussion with BCWUA Members	April 13	Ibrahimiya	1	28	3
16	2.4.1	Data Collection & Stakeholders Analysis	April 16-18	Zifta	3	48	14
17	2.5.1	Data Collection & Stakeholders Analysis (OJT)	April 19-May 5	Zifta	15	40	8
18	1.1.4	District's Establishment	April 26-28	Aswan	3	28	6
19	4.1.2	Focus Group Discussion with BCWUA	May 3	Aswan - Edfo	1	14	0
20	4.1.3	Focus Group Discussion with BCWUA	May 4	Luxor	1	26	0
21	2.4.2	Data Collection & Stakeholders	May 7-9	W.Sharkiya	3	51	10
22	3.5.1	Basic Computer Use	May 7 -19	Zifta	12	24	15
23	3.5.2	Basic Computer Use	May 7 -19	W.Sharkiya	12	25	13
24	2.5.2	Data Collection (OJT)	May 10-26	W.Sharkiya	15	38	6
25	2.13.7	Conflict Management & Internal Regulations	May 10-12	Zifta	3	30	8
26	2.13.29	Conflict Management & Internal Regulations (OJT)	May 14-24	Zifta	15	11	4
27	2.4.4	Data Collection & Stakeholders	May 14-16	Aswan	3	52	9
28	2.5.4	Data Collection (OJT)	May 17– June 2	Aswan	15	52	9
29	2.13.8	Conflict Management & Internal Regulations	May 17-19	Luxor	3	74	8
30	2.13.30	Conflict Management & Internal Regulations (OJT)	May 21-June 6	Luxor	15	74	8
31	3.5.6	Basic Computer Use	May 21-June 2	Aswan	12	23	18
32	3.5.5	Basic Computer Use	May 28-June 9	Upper Qena	12	19	3
33	3.5.7	Basic Computer Use	May 21-June 2	Lower Qena	12	21	9
34	3.5.3	Basic Computer Use	May 21 –June 2	Zifta	12	21	4
35	3.5.4	Basic Computer Use	May 21–June 2	W.Sharkiya	12	25	14
36	5.1.3	CDA/BCWUA Financial Management	June 1 – 3	CDA - Sinbo	3	13	1
37	5.1.5	Ground Water Wells Data Collection – Sinbo (OJT)	June 4 – 9	Sinbo Village	7	2	0
38	2.6.1	Canal Grouping	June 4-6	Zifta	3	48	12
39	2.7.1	Canal Grouping (OJT)	June 7- 23	Zifta	15	48	12
40	2.13.9	Conflict Management & Internal Regulations	June 7-9	Zagazig	3	32	5
41	2.13.31	Conflict Management & Internal Regulations (OJT)	June 11- 27	W.Sharkiya	15	32	5
42	5.1.4	Sinbo CDA/BCWUA Field Study Trip	June 8	Moshtaher Village	1	12	1
43	2.6.3	Canal Grouping	June 11-13	Esna	3	54	11
44	2.7.3	Canal Grouping (OJT)	June 14- 30	Qena	15	54	11

No	Code	Event	Date	Venue	No. of days	No. of Part.	Female No.
45	2.13.10	Conflict Management & Internal Regulations	June 14-16	Luxor	3	85	8
46	2.13.32	Conflict Management & Internal Regulations (OJT)	June 18-July 4	Luxor	15	85	8
47	3.5.8	Basic Computer Skills	June 4-16	Qena	12	21	7
48	3.5.9	Basic Computer Skills	June 4-16	Aswan	12	24	4
49	3.5.10	Basic Computer Skills	June 11-23	Luxor	12	19	4
50	3.5.11	Basic Computer Skills	June 18-30	Aswan	12	24	1

## 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.
- Custom Clearance for two US air shipments.
- Successfully installed and transferred all supplied equipment to MWRI.

The status of the commodity procurement program is presented below:

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

	Item	Qty	Source	Status
<b>Office Set-Up and Equipment</b>				
0-1	Cairo Office Set-up	1	Local	Delivered
0-2	Regional Office Set-Up	2	Local	Delivered
0-3	Telephone System Cairo Off	1	Local	Delivered
0-4	Telephone System - Regional Off	2	Local	Delivered
0-5	Fax - Cairo Office	1	Local	Delivered
0-6	Fax - Regional Office	2	Local	Delivered
0-7	Photocopier - Cairo Office	1	Local	Delivered
0-8	Photocopier - Reg. Office	2	Local	Delivered
<b>Computer Equipment</b>				
0-9	Cairo Office LAN	1	Local	Delivered
0-10	Regional Office LAN	2	Local	Delivered
0-11	Desktop computer (local)	9	Local	Delivered
0-12	Desktop computer (US)	8	US	Delivered
0-13	Uninterrupted Power Supply	17	Local	Delivered
0-14	Notebook Computer (local)	4	Local	Delivered
0-15	Notebook Computer (US)	4	US	Delivered
0-16	Small scanner	3	Local	Delivered
0-17	Document scanner	1	US	Delivered
0-18	A3/A4 Network printer	1	Local	Delivered
0-19	Desk-top network printer	6	Local	Delivered
0-20	Stand-alone printer	5	Local	Delivered
0-21	AO Printer	2	Local	Delivered
0-22	Color ink-jet printer	3	Local	Delivered
0-23	USB Flash Memory Stick	20	Local	Delivered
0-24	External Hard Drive	3	Local	Delivered
0-25	Tape backup Drive	1	Local	Under Review
<b>Training Equipment</b>				

	Item	Qty	Source	Status
0-26	Overhead Projector	3	Local	Delivered
0-27	VCR	3	Local	Delivered
0-28	Digital Video Camera	1		Under Review
0-29	Data Projector	3	Local	Delivered
0-30	Projector Screen	3	Local	Delivered
0-31	Flip Chart Stand	6	Local	Delivered
0-32	Digital Camera, small	4	US	Under review
0-33	Digital Camera, High Quality	1	US	Delivered
0-34	TV Monitor	3	Local	Delivered
0-35	Receiver	1	Local	Delivered

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

Task 1: Formation of Integrated Water Management Districts

Task 2: Formation of Branch Canal Water Users' Association

Task 3: Equitable Allocation of Water Resources

	Item	Qty	Source	Funding	Status
<b>1</b>	<b>District Computer Equipment and Peripherals Set</b>				
1-1	Standard Computer	60	Local	EGP	Delivered
1-2	Database Computer	39	Local	EGP	Delivered
1-3	GIS Mapping Computer	8	US	US\$	Delivered
1-4	Notebook	4	US	US\$	Delivered
1-5	Color Printers	31	Local	EGP	Delivered
1-6	Laser Printer	38	Local	US\$	Delivered
1-7	A4 Scanner	23	Local	US\$	Delivered
1-8	A3 Scanner	8	US	US\$	Delivered
1-9	USB Flash Memory (256 MB)	32	Local	US\$	Delivered
1-10	USB Hard Drive	20	US	US\$	On-order
1-11	Smart UPS	103	Local	EGP	Delivered
1-12	Stabilizers	97	Local	EGP	Delivered
1-13	Tables	85	Local	EGP	Delivered
1-14	Chairs	85	Local	EGP	Delivered
<b>2</b>	<b>District Office Equipment Set</b>				
2-1	Small Photocopier	23	Local	US\$	Delivered
2-2	Stabilizers	23	Local	US\$	Delivered
2-3	Fax Machine	23	Local	EGP	Delivered
2-4	Air-conditioning	28	Local	US\$	Ordered; Installed in Upper Egypt
<b>3</b>	<b>District Training Equipment Set</b>				
3-1	Flip Charts Stands	28	Local	US\$	To be supplied after rehab of a Tng. room
3-2	TV Sets	23	Local	US\$	To be supplied after rehab of a Tng. room
3-3	VCRs	23	Local	US\$	To be supplied after rehab of a Tng. room
3-4	Data Show	2	Local	US\$	Delivered
3-5	Notebook Computer	2	US	US\$	Delivered
3-6	Projector Screens	2	Local	US\$	To be supplied after rehab of a Tng. room
3-7	Digital Camera, High quality	3	US	US\$	Delivered

	<b>Item</b>	<b>Qty</b>	<b>Source</b>	<b>Funding</b>	<b>Status</b>
3-8	Furniture	32	Local	EGP	To be supplied after rehab of a Tng. room
3-9	Pin Board	6	Local	US\$	Delivered
3-10	White board	23	Local	US\$	Delivered
3-11	Digital Cameras	43	US	US\$	Supplied; to be Delivered
3-12	Sound System	7	Local	EGP	To be supplied after rehab of a Tng. room
<b>4</b>	<b>District Internet Access and LAN Installation</b>				
4-1	HUB	35	Local	US\$	Delivered
4-2	DSL Modem	35	Local	US\$	On-hold; subject to review
<b>5</b>	<b>District Mapping Equipment Set</b>				
5-1	Paper Maps Scale 1:50,000	3	Local	US\$	Delivered
5-2	Paper Maps Scale 1:25,000	3	Local	US\$	Delivered
5-3	Paper Maps Scale 1:2,500	1	Local	US\$	On-hold; subject to review
5-4	GPS	64	US	US\$	Supplied; to be Delivered
5-5	Digital Maps	500	Local	US\$	On-hold; subject to review
5-6	Satellite imagery	1	US	US\$	Delivered
<b>6</b>	<b>District Water Monitoring Equipment Set</b>				
6-1	Fiber Glass Boats	30	Local	EGP	Delivered
6-2	Current Meters	10	US	US\$	Provided by MWRI
6-3	Winches + Taglines (Depth meter)	41	Local	US\$	On-order
6-4	Winches + Taglines (Bank to bank)	41	Local	Local	On-order
6-5	Stop watches	41	Local	US\$	On-order
6-6	Head phones	41	Local	US\$	On-order
6-7	Weights	41	US	US\$	On-order
6-8	Data logger with GSM Modem	2	US	US\$	Year 2
6-9	Gate position sensor	10	US	US\$	Year 2
6-10	Water level sensor (Pulse)	5	US	US\$	Year 2
6-11	Pump Monitoring sensors with accessories	20	Local	US\$	Year 2
6-12	PDA Communicators	10	US/Local	US\$	2 only delivered
<b>7</b>	<b>Directorate Water quality equipment Set</b>				
7-1	Portable TDS	26	US	US\$	Supplied; to be Delivered
7-2	PH Conductivity Do TM	13	US	US\$	Supplied; to be Delivered
7-3	Portable Turbidity Meter	6	US	US\$	Under review
7-4	Connection to Computer	13	US	US\$	Supplied; to be Delivered
7-5	Software for Computer Interface	1	US	US\$	Supplied; to be Delivered

### III. ACTIVITIES PLANNED FOR NEXT QUARTER

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

The following activities are planned for the next quarter:

- Assessment of additional training needs for IWMD staff. Definition of potential training activities.
- Preparation of Second Year Workplan.
- Monthly coordination meetings with MWRI managing staff (Undersecretaries, General Directors, and IWMD directors) within the five target directorates. Dissemination of information, monitoring of progress, discussion on upcoming steps, identification of roadblocks, sharing of experiences.
- Support to assignment and definition of responsibilities of all technical and administrative staff.

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

The following activities are planned for the next quarter:

- Updating of training courses and material for IWMDs to implement directly BCWUA formation.
- Preparation of Second Year Workplan.
- Implementation of On-the-Job training activities by district level IAS staff under the supervision of IWMD directors. Outputs will include the election of the Boards of all BCWUAs.
- Implementation of further BCWUA strengthening activities in the four pilot IWMDs where BCWUAs were established last 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 August 2005.
- Continuation of water flow monitoring and structure calibration program at directorate and district levels.
- Delivery to IWMDs of water monitoring equipment (GPS, cameras, water quality etc.).
- Implementation of courses on use of GPS in each IWMD.
- Implementation of courses on computer maintenance in each IWMD.
- Preparation of MISD implementation activities (updating of procedures and training activities).
- Continue modification, and development of Matching Irrigation Supply and Demand, complaints, violations, water levels, and discharge project databases.
- Preparation of Second Year Workplan.

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

The following activities are planned for the next quarter:

- Prepare report on findings of the assessment.
- Present results of assessment to the USAID, MWRI, and other stakeholders.

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

The following activities are planned for the next quarter:

- Investigate the efficiency of the existing solid waste collection and management in Sinbo village and decide for the next steps.
- Select and initiate the liquid waste management pilot.
- Select and initiate the agricultural waste management pilot
- Continue the water quality monitoring program.
- Prepare public awareness program.
- Continue building capacity of CDA and BCWUA as required to support the pilot project.
- Prepare the second year implementation plan.

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

The following activities are planned for the next quarter:

- Obtain official approval to implement the activity in the new Demo Site in Luxor.
- Setup and equip Demo Site project office.
- Finalize crop selection with EEAA and MALR.
- Prepare Environmental Management Plan (EMP).
- Prepare Irrigation and Crop Management Plan (ICMP).
- Continue collection and analyses of soil, groundwater and effluent samples.
- Define and approve criteria for selection of graduates from the nearest villages to assist in demo site operations.

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

The following activities are planned for the next quarter:

- Assist in Egyptian Universities application process
- Assist US trainees (medical exam, obtaining visas)
- Provide pre-departure orientation

## **Monitoring and Evaluation**

The following activities are planned for the next quarter:

- Implement a training program for district staff who will serve as survey enumerators and supervisors for the field survey
- Organize the administration of the questionnaire to a sample of about 5000 respondents in the 27 IWMDs.
- Undertake all steps necessary for entry, checking, processing and analysis of the responses to the field survey.
- Dr. Mark Svendsen's (Expat STTA) next visit is scheduled for August 2005.
- Assemble and analyze M&E data for annual project report
- Develop a Year 2 Workplan.

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

The following activities are planned for the next quarter:

- Continue to maintain and up-date the Project website.
- Print project folder for use in on-going project events.
- Pre-test, gain approval, and print posters for Task #1, #2, & #5.
- Revise Children's Activity Book on Solid Waste Management to include water quality issues and print as give-away particularly in support of Task #5.
- Continue to work with the Task #2 training team and partners to revise the field staff training approach, content and materials to the extent acceptable/possible. Develop communication interventions to enable this process and the materials necessary to support the field staffs work with water users. Current proposal is to develop a Field Staff Manual with a "sales kit" that includes both a desk-top flip-chart binder and a roll-up set of cloth wall charts for public meetings.
- Produce a video story on the Water Board of Esna in collaboration with the Water Communication Unit (WCU) and the Water Board project.
- Continue to work with the WCU to build a series of short video programs highlighting water user participation and other core concepts.
- Continue to work with Task #5 to develop and initiate an appropriate public awareness and participation campaign.
- Continue to extend communication support to all Task managers as needed to enhance stakeholder and public knowledge and participation.
- Continue to encourage and assist with project efforts to coordinate and build partnerships with related initiatives.

## Training

The following training courses are planned for the next quarter:

<b>ID Code</b>	<b>Course Title</b>	<b>Task</b>	<b>Events</b>	<b>Date</b>	<b>Venue</b>
<b>3.2.1</b>	Water Flow Monitoring-GPS	Task 3	4	July	Each Directorate
<b>8.5.1</b>	Survey Data Collectors	M&E	4	July	Each Directorate
<b>3.6.1</b>	Computer Maintenance	Task 3	5	July / August	Each Directorate
<b>2.8.1</b>	<b>R.A Election Roles Responsibility</b>	Task 2	4	July / August	Each Directorate
<b>7.1.1</b>	2 Master Degrees	Task 7	NA	August	Utah State University, USA

## Procurement

Projected procurement activities for next quarter include the following activities:

- Continue procurement, supply, and installation of Task 1, 2 and 3 commodities.
- Prepare MWRI equipment transfer procedures.
- Transfer delivered equipment to MWRI.

#### IV. PROBLEMS AND ISSUES

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

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

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

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

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

The effort for establishing about 1,000 BCWUAs is significant, as compared to the previous bridging and pilot activity. In order to address this, training courses are being synthesized and simplified.

The MWRI CD-IAS has informed the project due to resource constraints they will not be able to meet their Year 1 Lower Egypt target for formation of BCWUAs. A new approach using District Managers to take the lead on forming BCWUAs is being prepared to address this issue.

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

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

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

None at this time.

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

LIFE IWRM has sufficient funds to support a solid waste management pilot only. Implementation of a pilot liquid wastewater project will require external funding. A proposal was submitted to Japanese Embassy to solicit support funds for this purpose.

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

EEAA requested that the Egyptian Standards on Re-Use of Treated Wastewater be signed and approved before beginning this activity. Now that the code has been signed it is expected that EEAA will approve start of the field implementation.

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

To mobilize the two participants selected for the USU MS Fall 2005 program, the US visa should be issued not later than mid-August 2005.

#### **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
Nabil Fawzi	Water Resource Mgt Specialist (Upper Egypt)
Maher Khodary	Water Resource Mgt Specialist (Lower Egypt)
Mahmoud Said	Administration and Procurement Coordinator
Dahlia Hamdy	Workshop/Training Coordinator
Nermine Mokhtar	Accountant/Financial Manager
Amany Mahmoud	Administrative Assistant
Shehab Younis	Administrative Assistant (Lower Egypt)
Nahid Nabil	Administrative Assistant (Upper Egypt)

### SHORT TERM STAFF DURING THE REPORT PERIOD

#### EXPATRIATE

NAME	POSITION
Cheryl Groff	Senior Information, Education, & Communications
Mark Svendsen	Senior M&E Specialist
Tom Sheng	Senior Information Specialist

#### LOCAL EGYPTIAN

NAME	POSITION
Dr. Ragab Abdel Azim	Local Water Resources Management Specialist
Dr. Wadie Fahim Makarious	Senior Technical Advisor
Eng. Sarwat Fahmy	Senior Technical Advisor
Eng. Essam Barakat	Senior Participatory Irrigation. Management Specialist
Eng. Alaa Abass	Information Specialist
Eng. Hisham Shehab	Water Monitoring Specialist
Eng. Moamen El Sharkawy	Participatory Irrigation Management Specialist
Eng. Amira Abdel Hady	Gender specialist
Eng. Mohamed Hamed A. Latif	Water Quality Environmental Specialist
Eng. Ayad Kariakos	Local Demonstration Site Manager
Dr. Hussein El Atfy	Senior Management / Institutional Specialist

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NAME	POSITION
Dr. Hisham Ali Mustafa	Senior Education, Communication and Public Awareness & Participation Specialist
Dr. Mohamed Rami Mahmoud	Senior Water Resources Information Specialist
Eng. Safaa Khoudary	IT Specialist
Dr. Khaled Wasief	Monitoring and Evaluation Specialist
Eng. Ahmed Abdel Monsief	Data Base Management Specialist
Eng. Atef El-Kasheif	Senior Institutional/Organization Development Specialist
Eng. Mohamed Ezzat El Shafie	Institutional/Organization Development Specialist
Eng. Salem Mohamed Salem	Institutional/Organization Development Specialist
Eng. Refaat Sediek Abdallah	Senior Institutional/Organization Development Specialist
Eng. Tarek Mohamed Ibrahim	Institutional/Organization Development Specialist
Eng. Khaled Mohamed El-Mandouh	Institutional/Organization Development Specialist
Dr. Fouad El-Sayed Abdalla Kheiralla	Senior Institutional/Organizational Specialist

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## VI. STATUS OF FINANCES AND EXPENDITURES

Financial summary for the reporting period April – June 2005 is presented below:

**USD Budget**

Budget Line Item	Budgeted	Obligated	Current Claim	Claims to Date	Remaining Balance	% Budget Claimed	Remaining Obligation Balance	% Obligation Claimed
Direct and Consultant Labor	1,337,507		66,782	235,051	1,102,456	17.57		
Other Direct Costs	4,756,111		250,138	686,872	4,069,239	14.44		
Subcontractor Handling Fee	53,486		4,803	9,768	43,718	18.26		
Fixed Fee	338,090		17,695	52,268	285,822	15.46		
<b>Total Cost Plus Fixed Fee</b>	<b>6,485,194</b>	<b>5,000,000</b>	<b>339,418</b>	<b>1,002,595</b>	<b>5,482,599</b>	<b>15.46</b>	<b>3,997,405</b>	<b>20.05</b>

Source: IRG Invoices #1, 2, 3, 4, 5, 6, 7, 8, 9

**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		465,065	1,318,925	5,458,502	19.46		
Other Direct Costs	15,290,311		3,223,347	5,492,355	9,797,956	35.92		
Subcontractor Handling Fee	98,769		5,300	11,026	87,743	11.16		
Fixed Fee	1,219,157		203,154	375,227	843,930	30.78		
<b>Total Cost Plus Fixed Fee</b>	<b>23,385,664</b>	<b>15,333,333</b>	<b>3,896,867</b>	<b>7,197,533</b>	<b>16,188,131</b>	<b>30.78</b>	<b>8,135,800</b>	<b>46.94</b>

Source: IRG Invoices #1, 2, 3, 4, 5, 6, 7, 8

VII. LIST OF REPORTS

No.	NAME	DATE
1	Annual Work Plan (2004/2005))	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