

**Ministry of
Water Resources and Irrigation**

**US Agency
for International Development**



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

Quarterly Report
(January - March 2005)
Report No. 4

April 2005



International Resources Group

**In association with
Academy for Educational Development (AED)
Development Alternatives, Inc. (DAI)**

ECODIT

**Environmental Quality International (EQI)
Montgomery Watson Harza (MWH)
Training Resources Group, Inc. (TRG)**

**QUARTERLY REPORT
(JANUARY - MARCH 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 is October 1, 2004-September 30, 2008.

The purpose of this report is to present the status and performance of LIFE/IWRM for Year 1 (2004/2005) 2nd Quarter covering the period from January – March 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:

The Annual Work Plan, Life of Project Procurement Plan, Annual Training Plan, and Monitoring and Evaluation Plan were approved by USAID and MWRI.

Representatives from the MWRI Institutional Reform Unit and the Dutch Water Boards Project have been added to the MWRI Steering Committee at the suggestion of the HE Minister MWRI.

The decrees formalizing the restructuring of all of the new 23 Integrated Water Management Districts have been signed. District managers have been appointed and key staff has been officially assigned in accordance with the organigram prepared by the Project and approved by MWRI Irrigation Department Chairman. Three of the 27 IWMDs have female district managers.

The Branch Canal Water User Association team began implementation of their activities. During Year 1, 175 BCWUA serving over 2.6 million rural residents, on branch canals in 8 districts, are targeted for establishment. Strengthening will be done on the 96 BCWUA established in the four IWMDs under RSC/WP. These four Districts serve over 1.6 million water users.

National Water Research Center Hydraulic Research Institute provided the Project with 25 current meters and the MWRI Telemetry Section has provided 12. These will be distributed among the four Directorates. The current meters have been transferred to the 4 Directorates and are being calibrated by Hydraulics Research Institute.

A LIFE IWRM Web Site (www.iwrmeg.org) was established.

Work on the activity for Improved Maintenance and Upgrading of Water Management Equipment was started. Initial interviews were held with the director of technical schools Ministry of Education in Cairo. Draft guidelines have been prepared and approved by USAID for the rapid assessment to be conducted with the irrigation districts and BCWUAs.

Senbo Branch Canal in South Zifta IWMD was selected as a pilot area to demonstrate Environmental Services for Improving Water Quality Management. Initial surveys of the

area and meetings with the local stakeholders were conducted. USAID and LIFE IWRM staff met with the Japanese Embassy to discuss possibility of leveraging Japanese grant funds with Project funds. The Japanese funds would be used for construction and purchasing equipment for the liquid waste water treatment component. A proposal on behalf of the Senbo Community Development Association is under preparation by the Project.

Wastewater Reuse work plan was revised and submitted to USAID. Meetings were held with all participating agencies to finalize their roles and responsibilities. A joint visit was made by USAID, EEAA, MALR, MWRI, IWMU, and LIFE IWRM Project staff to the proposed Luxor demonstration site. Crop selection will be decided in accordance with the new Waste Water Reuse code based on the water quality of the effluent from the Luxor Waste Water Treatment Plant.

Dick Edwards (USAID), Dr. Ross Hagan (USAID), Eng. Essam Barakat (MWRI), and Eric Viala (Life IWRM) attended the USCID Conference on “Water District Management and Governance” held in San Diego March 30 to April 2, 2005.

Eight persons have been identified for advanced degree training. Two will attend the overseas masters program. Two will attend American University in Cairo. The remaining four will be given the opportunity to attend a masters program at an Egyptian university.

A major public awareness, education, and communication program is being implemented. Over 2,500 Project brochures in English and Arabic, 5,000 BCWUA booklets for Board and Representative Assembly members, and 30,000 BCWUA FAQ flyers for users were printed and distributed. An orientation video on integrated water management was revised and approved by MWRI; and is now being shown as part of the LIFE IWRM training programs.

II. ACCOMPLISHMENTS DURING THE REPORT PERIOD

Task 1: Formation of Integrated Water Management Districts

Eric Viala (LTTA, Expat 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. Sarawat Fahmy (Local Senior Technical Advisor) is providing STTA. Activities carried out during the report period by LIFE IWRM team included:

- Finalized establishment of Project Regional Offices (internet wiring, computer setup, etc.).
- Prepared training activities for establishment of IWMDs in the four target directorates.
- Finalized and received MWRI approval of the IWMD model organigram and corresponding guidelines.
- Implemented initial training activities in both Lower Egypt directorates on organizational management and staffing of IWMDs. Trainees included manager and four deputy managers for each IWMD.
- Support to identify and allocate facilities for IWMDs.
- Prepared technical specifications for computer, office, and water monitoring equipment to be procured for IWMDs.
- Conducted monthly training meetings with MWRI managing staff (Undersecretaries, General Directors, and IWMD directors) within the four target directorates.
- Disseminated information, monitored progress, discussed upcoming steps, identified roadblocks, shared experiences among MWRI IWMDs.
- Supported preparation and ratification of decrees confirming the IWMDs, their definition, and staffing as listed below:

| 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 2004/1008 (Dec 28), Aswan decree still pending |
| Assignment of engineers to IWMDs | Decrees 94/2005 (Feb 2) and 102/2005 (Feb 15) | Aswan decree still pending |
| Definition of boundaries | 2 decrees, pending approval from Minister's Tech Office | 2 decrees, pending approval from Minister's Tech Office |
| Assignment of other technical and administrative staff | Yet to be done | Yet to be done |

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:

- Updated training courses and material for BCWUA establishment (ongoing).
- Implemented first two BCWUA establishment training courses (Orientation 1 and Orientation 2) in eight districts (two per target directorate) selected for first year establishment. Trainees are district staff assigned to IAS.
- Implemented corresponding On-the-Job training activities by district staff assigned to IAS under the supervision of IWMD directors. These activities focus on geographic assignment of IAS staff, community mobilization, and water user awareness.
- Updated training courses and material for BCWUA strengthening (ongoing).
- Implemented initial three BCWUA strengthening activities in the four original IWMDs where BCWUAs were established last year. Current strengthening activities focus on supporting the development of Internal Regulations by the boards of BCWUAs. About 20 of the existing 94 BCWUAs were trained this quarter.

Task 3: Equitable Allocation of Water Resources

Eric Viala (LTTA, Expat Water Resources Management Specialist) is coordinator for this task with assistance from Dr. Ragab Ali Abdel Azim (MWRI), Dr. Mohamed Rami Mahmoud (MWRI), Eng. Alaa Abbas (IWMU), Eng. Mohamed Hamed (IWMU), and Eng. Hisham Shehab (IWMU). 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 STTA assignment during January/February.
- Updated training courses and material for improved water management at district level (ongoing).
- Identified and assigned water monitoring and water distribution staff within IWMDs (ongoing).
- Inventoried existing water monitoring points at directorate and district levels.
- Defined and approved monitoring network within each district (ongoing).
- Facilitated calibration and transfer to districts of about 30 current-meters from Telemetry Warehouse and NWRC Hydraulic Research Institute. Hydraulic Research Institute is doing the calibration.
- Updated water flow measurement and structure calibration procedures (ongoing).
- Defined computer/water monitoring equipment needs for IWMDs and initiated procurement.

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. Dr. Hassan Abou Bakr also provided STTA during the second quarter. Activities carried out during the report period by LIFE IWRM team included:

- Guidelines for interviews with staff of the central and local technical schools, for a Rapid Assessment of technical schools, and for Focus Group discussions with BCWUAs were completed and approved by USAID.
- Letters of Introduction to Directors of relevant Technical, Agricultural and Industrial schools within the MOE were prepared and delivered.
- Interviews were conducted with the following Ministry of Education staff: Dr. Ibrahim Shabaka, Head of the Technical Education Sector; Ms. Donia Abdel Maqsood Sergany, Head of the Central Department of Technical Education; Mr. Nasef Imam Nasef, General Director Of Agricultural Education; Mr. Sayed Nasr, General Supervisor of Agricultural Engineering & Mechanization; Mr. Mahmoud Al-Bahnasawy, General Director of Industrial Education; and Mr. Salah Shawky Al-Sayed, General Supervisor of financial & Inventory Affairs.
- Preparatory meetings and a field visit to West Sharkiya were conducted to prepare for first focus group meetings; and visits to local technical schools and work shops.

Task 5: Environmental Services for Improving Water Quality Management

Dr. Mostafa Saleh (EQI), Senior Environmental Specialist, is coordinating this task for LIFE IWRM. Eng. Mohamed Hamed (IWMU) is coordinating this task for IWMU. EQI is providing the following STTA to support the activity: Abdalla El Etriby, Magda Nassef, Samiha Ghabbour, Peter Nasr, Salah Zaki, and Samir Shawky. Activities carried out during the report period by LIFE IWRM team included:

- Senbo Branch Canal, South Zifta IWMD, Zifta Directorate selected as pilot project area.
- Initiated public participation process by developing cooperative linkages with MWRI Zifta IWMD, Senbo Branch Canal Water User Association, Local Council, and Senbo Community Development Association.
- Community stakeholders expressed full willingness to participate, and are prepared to contribute in the form of land for proposed solid and liquid waste alternatives as long as the proposed initiatives are community owned and driven.
- Recycling and sanitation project visited in Minya.
- Data collection completed for assessing the extent of the solid and liquid waste problem in Senbo.
- Initiated the design and selection of the most appropriate alternative solutions for the identified solid and liquid waste problems. Presentation was given to USAID on 23 March on possible alternatives.
- Conducted several focus group sessions and structured meetings to discuss the proposed alternatives.
- Informed local community members of the planned consortium that will become the focus for implementing pilot activities, and garnered support and intent to participate.

- Initiated water quality sampling for Senbo Canal and Damnhore El Wahsh Drain. Sampling is being carried out by MWRI Water Quality Laboratory.

Task 6: Improved Wastewater Reuse Practices

Dr. Wadie Fahim Mankarious (IRG), STTA Technical Advisor, is local coordinator for this task assisted by Eng. Mohamed Hamed (IWMU). Eng. Ayad Kariakos (ECODIT) is providing local STTA and Eng. Karim El-Jisr (ECODIT) is providing expat STTA support. Activities carried out during the report period by LIFE IWRM team included:

- Prepared a revised Task #6 Work Plan and obtained USAID approval.
- Held a coordination and reconnaissance meeting on 23 February at the proposed demonstration site in Luxor for all project partners: USAID, MSEA/EEAA, MALR, MWRI/IWMU, and LIFE/IWRM local TA team.
- Met with Farmers Associations established under AERI-El SHAMS Project in Luxor to brief them on the activity and initiate cooperation for crop marketing.
- Collected information on the BCWUAs nearest to the demo site and surveyed the agricultural technical school graduates.
- Collected and analyzed treated waste water effluent samples from Luxor Waste Water Treatment Plant to support crop selection.
- Met with EEAA to discuss the roles and responsibilities of each partner during implementation of the work plan.
- Started mobilization of the demo site field staff.

Task 7: Graduate Degree Training

Dr. Ibrahim Ellassiouti (LTTA, Deputy Chief of Party) is coordinator for this task. Dr. Wadie Fahim Mankarious is providing STTA support. Activities carried out during the report period by LIFE IWRM team included:

- Sponsored Dr. Hussein El Atfy (MWRI) and Eng. Essam Barakat (MWRI) and assisted with formalities (visa, air tickets, hotel reservations) to attend the USCID Conference on “Water District Management and Governance” scheduled to be held during the period March 31 – April 2, 2005 in San Diego, California, USA.
- Dr. El Atfy was unable to travel to USA to attend the conference.
- Assisted in enrolling 6 training candidates, who passed the English course replacement exam (Level 8-5), to attend the International TOEFL Exam scheduled for April 10, 2005.
- H.E. The Minister of Water Resources and Irrigation selected the following two engineers to join the American University in Cairo (AUC) for M.Sc degree in Environmental Engineering

| Name | Position | Degree |
|--------------|---|---|
| Doaa Lashien | Hydrologist, Nile Forecast Center-Planning Sector, MWRI | B.Sc.Civil Eng. Ain Shams University, Grade: V. Good |
| Heba Aref | Eng, Minister’s Technical Office, MWRI | B.Sc. Civil Eng. Ain Shams University, Grade: V. Good |

- Assisted these two engineers with the application formalities at AUC.
- Steps have been taken in selecting training institutions in the USA to match MWRI needs.

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, Expat STTA carried out a three week STTA assignment during January/February.
- The Project Monitoring and Evaluation Plan was prepared and approved by USAID.
- Developed a system for assembling, processing, and storing data needed to populate the chosen M&E indicators.
- Finalized the review of the applicable USAID SO results statements, identified new and/or refined existing and illustrative indicators to measure results, collected baseline data, and established actual targets based on the collected baseline data.
- Consulted with all relevant project partners to include USAID, LIFE project personnel, related donor projects (IRU, WBP, IIIMP, Water Board), and other stakeholders to finalize objectives and indicators for various task team activities.
- Prepared revised table of objectives and indicators.
- Issued a purchase order for El-Zanaty & Associates to:
 - Design and field test a questionnaire to measure equity of water distribution based on farmer satisfaction with the irrigation service provided by the 27 IWMDs in the project area
 - Develop a statistically – valid sampling plan for collecting data
 - Design a training program plan for district management staff, enumerators and supervisors on the M&E program, data collection, quality control and analysis
 - Prepare an estimated budget and implementation schedule for implementing the survey.

Education, Communication, Public Awareness and Participation

Ms. Cheryl Groff (AED), Sr. Education, Communication, Public Awareness and Participation Specialist, is coordinator for this task. Dr. Wadie Fahim Mankarious (IRG) and Dr. Hisham Ali Mustafa (MWRI) are 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:

- Updated the Task # 2 BCWUA Training Plan.
- Participated in USAID TraiNet Mission Meeting on March 1st, 2005.
- Continued preparation and coordination with the regional offices in Lower and Upper Egypt for conducting the training 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 |
| 736 | 613 | 123 | 736 | 613 | 123 |

Training conducted during the reporting period is listed below:

| No | ID Code | Event | Date | Venue | No. of Days | No. of Participants | No. of Female Participants |
|----|---------|---|------------|--|-------------|---------------------|----------------------------|
| 1 | 2.1.1 | Field Staff Orientation 1 | Feb. 12-14 | (Zifta Directorate) Regional Office Zagazig | 3 | 46 | 9 |
| 2 | 2.1.2 | Field Staff Orientation 1 | Feb. 12-14 | (W.Sharkia Directorate Irrigation Club - Zagazig | 3 | 52 | 13 |
| 3 | 2.13.1 | Conflict Management & Development of Internal Regulations | Feb. 15-17 | Ibrahimia District Building | 3 | 45 | 9 |
| 4 | 2.1.3 | Field Staff Orientation 1 | Feb. 19-21 | Qena Directorate in Luxor | 3 | 48 | 10 |
| 5 | 2.1.4 | Field Staff Orientation 1 | Feb. 19-21 | Aswan Directorate in Luxor | 3 | 45 | 4 |
| 6 | 2.13.2 | Conflict Management & Development of Internal Regulations | Feb. 22-24 | Qena Directorate in Luxor | 3 | 56 | 4 |
| 7 | 5.1.1 | CDA/BCWUA Orientation Workshop | Mar. 14 | Zifta – Sinbo Village | 1 | 13 | 1 |

| No | ID Code | Event | Date | Venue | No. of Days | No. of Participants | No. of Female Participants |
|-----------|----------------|---|-------------|-----------------------------------|--------------------|----------------------------|-----------------------------------|
| 8 | 1.1.1 | District's Establishment (IWMD Organization) Orientation | Mar. 19-21 | Zifta Teachers' Club | 3 | 32 | 10 |
| 9 | 1.1.2 | District's Establishment (IWMD Organization) Orientation | Mar. 22-24 | W.Sharkia Regional Office Zagazig | 3 | 32 | 1 |
| 10 | 2.2.3 | Field Staff Orientation 2 | Mar. 19-24 | IAS Meeting Room Esna | 3 | 49 | 10 |
| 11 | 2.2.4 | Field Staff Orientation 2 | Mar. 19-24 | IAS Meeting Room Esna | 3 | 53 | 9 |
| 12 | 2.13.4 | Conflict Management & Development of Internal Regulations | Mar. 26-28 | Muslim Youth Association Luxor | 3 | 45 | 4 |
| 13 | 2.2.1 | Field Staff Orientation 2 | Mar. 26-28 | Zifta Teachers' Club | 3 | 35 | 9 |
| 14 | 2.2.2 | Field Staff Orientation 2 | Mar.26-28 | Irrigation Club-Zagazig | 3 | 36 | 5 |
| 15 | 2.13.3 | Conflict Management & Development of Internal Regulations | Mar.29-31 | Zifta Teachers' Club | 3 | 46 | 7 |
| 16 | 2.13.5 | Conflict Management & Internal Regulations (Strengthening Course) | Mar.29-31 | Ibrahimia district building | 3 | 40 | 5 |

Procurement

Mahmoud Said, (LLTA Procurement Coordinator) assisted by Greg Olson, expat STTTA admin specialist, continued the preparation of specifications and procurement of project equipment. Activities carried out during the report period by LIFE IWRM team included:

- The detailed procurement list for commodities in support of Task 1, 2 and 3 was approved by USAID.
- Continued preparation of specifications and procurement of project equipment.

The status of the commodity procurement program is presented below:

Project Office Setup/Equipment (Cairo and Regional Offices)

| | Item | Qty | Source | Status |
|------------------------------------|---------------------------------|-----|--------|-----------|
| Office Set-Up and Equipment | | | | |
| 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 |
| Computer Equipment | | | | |
| 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 | Purchased |
| 0-13 | Uninterrupted Power Supply | 17 | Local | Purchased |
| 0-14 | Notebook Computer (local) | 4 | Local | Purchased |
| 0-15 | Notebook Computer (US) | 4 | US | Purchased |
| 0-16 | Small scanner | 3 | Local | Purchased |
| 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 | |
| 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 | |
| Training Equipment | | | | |
| 0-26 | Overhead Projector | 3 | Local | Delivered |
| 0-27 | VCR | 3 | Local | Delivered |
| 0-28 | Digital Video Camera | 1 | | |
| 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 | |
| 0-33 | Digital Camera, High Quality | 1 | US | Purchased |
| 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 |
|----------|--|------------|---------------|----------------|---------------|
| 1 | District Computer Equipment and Peripherals Set | | | | |
| 1-1 | Standard Computer | 60 | Local | EGP | Purchased |
| 1-2 | Database Computer | 39 | Local | EGP | Purchased |
| 1-3 | GIS Mapping Computer | 8 | US | US\$ | Purchased |
| 1-4 | Notebook | 4 | US | US\$ | Purchased |
| 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\$ | Purchased |
| 1-9 | USB Flash Memory (256 MB) | 32 | Local | US\$ | Delivered |
| 1-10 | USB Hard Drive | 20 | US | US\$ | Delivered |
| 1-11 | Smart UPS | 103 | Local | EGP | Purchased |
| 1-12 | Stabilizers | 97 | Local | EGP | Delivered |
| 1-13 | Tables | 85 | Local | EGP | Delivered |
| 1-14 | Chairs | 85 | Local | EGP | Delivered |
| 2 | District Office Equipment Set | | | | |
| 2-1 | Small Photocopier | 23 | Local | US\$ | Purchased |
| 2-2 | Stabilizers | 23 | Local | US\$ | Purchased |
| 2-3 | Fax Machine | 23 | Local | EGP | Purchased |
| 2-4 | Air-conditioning | 28 | Local | US\$ | |
| 3 | District Training Equipment Set | | | | |
| 3-1 | Flip Charts Stands | 28 | Local | US\$ | |
| 3-2 | TV Sets | 23 | Local | US\$ | |
| 3-3 | VCRs | 23 | Local | US\$ | |
| 3-4 | Data Show | 2 | Local | US\$ | Purchased |
| 3-5 | Notebook Computer | 2 | US | US\$ | Purchased |
| 3-6 | Projector Screens | 2 | Local | US\$ | |
| 3-7 | Digital Camera, High quality | 3 | US | US\$ | Purchased |
| 3-8 | Furniture | 32 | Local | EGP | |
| 3-9 | Pin Board | 6 | Local | US\$ | Delivered |
| 3-10 | White board | 23 | Local | US\$ | Delivered |
| 3-11 | Digital Cameras | 43 | US | US\$ | |
| 3-12 | Sound System | 7 | Local | EGP | |
| 4 | District Internet Access and LAN Installation | | | | |
| 4-1 | HUB | 35 | Local | US\$ | |
| 4-2 | DSL Modem | 35 | Local | US\$ | |
| 5 | District Mapping Equipment Set | | | | |
| 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\$ | |
| 5-4 | GPS | 64 | US | US\$ | Purchased |
| 5-5 | Digital Maps | 500 | Local | US\$ | |
| 5-6 | Satellite imagery | 1 | US | US\$ | |
| 6 | District Water Monitoring Equipment Set | | | | |
| 6-1 | Fiber Glass Boats | 30 | Local | EGP | Purchased |
| 6-2 | Current Meters | 10 | US | US\$ | |
| 6-3 | Winches + Taglines (Depth meter) | 41 | Local | US\$ | |

| | Item | Qty | Source | Funding | Status |
|----------|--|------------|---------------|----------------|------------------|
| 6-4 | Winches + Taglines (Bank to bank) | 41 | Local | Local | |
| 6-5 | Stop watches | 41 | Local | US\$ | |
| 6-6 | Head phones | 41 | Local | US\$ | |
| 6-7 | Weights | 41 | US | US\$ | |
| 6-8 | Data logger with GSM Modem | 2 | US | US\$ | |
| 6-9 | Gate position sensor | 10 | US | US\$ | |
| 6-10 | Water level sensor (Pulse) | 5 | US | US\$ | |
| 6-11 | Pump Monitoring sensors with accessories | 20 | Local | US\$ | |
| 6-12 | PDA Communicators | 10 | US/Local | US\$ | 2 only delivered |
| 7 | Directorate Water quality equipment Set | | | | |
| 7-1 | Portable TDS | 26 | US | US\$ | Purchased |
| 7-2 | PH Conductivity Do TM | 13 | US | US\$ | Purchased |
| 7-3 | Portable Turbidity Meter | 6 | US | US\$ | |
| 7-4 | Connection to Computer | 13 | US | US\$ | Purchased |
| 7-5 | Software for Computer Interface | 1 | US | US\$ | Purchased |

III. ACTIVITIES PLANNED FOR NEXT QUARTER

Task 1: Formation of Integrated Water Management Districts

The following activities are planned for the next quarter:

- Implementation of first training activities in both Upper Egypt directorates on organizational management and staffing of IWMDs. Trainees will include manager and four section heads for each IWMD.
- Monthly training meetings with MWRI managing staff (Undersecretaries, General Directors, and IWMD directors) within the four target directorates.
- Continue dissemination of information, monitoring of progress, discussion on upcoming steps, identification of roadblocks, and sharing of experiences among IWMDs.
- Support to assignment and definition of responsibilities of all technical and administrative staff (ongoing).
- Procurement of computer, office, and water monitoring equipment for IWMDs.

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 BCWUA establishment (ongoing).
- Implementation of following two BCWUA establishment training courses (Data Collection and Canal Grouping) in the eight districts selected for first year.
- Implementation of corresponding On-the-Job training activities by district level IAS staff under the supervision of IWMD directors. Outputs will include the identification of key water users, the inventory of all Branch Canals and the definition of the BCWUAs to be established.
- Updating of training courses and material for BCWUA strengthening (ongoing).
- Implementation of further BCWUA strengthening activities in the four pilot IWMDs where BCWUAs were established last year. First strengthening activities focus on supporting the development of Internal Regulations by the boards of BCWUAs.

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 2005.
- Initiation of water flow monitoring and structure calibration program both at directorate and district levels.
- Procurement and installation/transfer of computer and water monitoring equipment for IWMDs.
- Preparation of courses on basic computer skills, identification of facilities and providers.
- Implementation of first courses on basic computer skills at district-level.

Task 4: Improved Maintenance and Upgrading of Water Management Equipment

The following activities are planned for the next quarter:

- Conduct focus groups with BCWUA members from the target governorates.
- Conduct visits and interviews with staff from Agricultural and Industrial Technical schools in the target governorates.
- Investigate training opportunities offered by alternative institutions including work shops.
- Analyze findings and determine what training is needed, what offerings are available through existing local institutions, and the quality or relevance of the training.
- Based on the results of the assessment, prepare an implementation plan for initiating cooperative training programs.
- Prepare report on findings.
- 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:

- Conduct baseline survey.
- Organize a public hearing to finalize the selection of the most suitable alternative solutions for the solid and liquid waste problem in Senbo.
- Continue focus group meetings with the local stakeholders.
- Select and initiate the solid waste management pilot.
- Continue the water quality monitoring program.
- Prepare public awareness program.
- Establish a formalized consortium that will take part in the pilot scheme (and through which funds will be administered). Members will include representatives of the main stakeholder groups.
- Conduct training of CDA and BCWUA as required to support the pilot project.
- Submit Japanese Grant proposal to the Japanese Embassy for implementation of liquid waste management pilot project on behalf of the CDA.

Task 6: Improved Wastewater Reuse Practices

The following activities are planned for the next quarter:

- Finalize mobilization of the field staff.
- Obtain official approval to implement a project 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 and effluent samples.
- Conduct site preparation works at demo site.
- 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 the selection of trainees based on TOEFL examination results scheduled April 10, 2005.
- Assist in the selection of training institutions in USA and Egypt.
- Assist in candidate application process.
- Assist US bound trainees (obtaining visas).
- Provide pre-departure orientation

Monitoring and Evaluation

The following activities are planned for the next quarter:

- Dr. Mark Svendsen's (Expat STTA) next visit is scheduled for May 2005.
- Apply and test the sampling plan development in one of the project IWMDs in which the IAS has compiled a list of farmer names and modify the sampling plan as appropriate.
- Review results of field survey questionnaire and sampling plan developed and finalize plans for first round (baseline) survey.
- Review operation of data collection system with the information specialist.
- Prepare terms of reference for field survey work needed for baseline and routine data collection.

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:

| ID Code | Course Title | Task | Events | Date | Venue |
|----------------|---|-------------|---------------|---------------|------------------|
| 1.1 | District Establishment (IWMD Organization) | 1 | 6 | Mar/April 05 | Each Directorate |
| 2.4.1 | Data Collection & Stakeholders Analysis | 2 | 4 | April 05 | Each Directorate |
| 2.13 | Conflict Management & Development of Internal Regulations | 2 | 4 | Mar./April.05 | Each Directorate |
| 2.6.1 | Canal Grouping | 2 | 2 | June 05 | Each Directorate |
| 5.1.2 | Field Study Tour | 5 | 1 | April 05 | Zifta |
| 3.2.1 | Water Flow Monitoring | 3 | 6 | May 05 | Each Directorate |
| 3.5.1 | Basic Computer Use | 3 | 12 | May 05 | Each Directorate |

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

Out of the four Undersecretaries for the four target directorates, three of the four have been replaced in the last three months.

Qena Directorate has been divided into two Irrigation Directorates, East and West. Final approval is with H.E. Minister, MWRI. This should not affect Project implementation.

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 and 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.

The General Director, Aswan, commented that he is already seeing improvements in the irrigation management process with the elimination of the office of the inspectorate. As general director, he can now work directly with the IWMD managers. Previously he had to go through the office of the Inspectorate, which delayed and complicated many issues.

Task 2: Formation of Branch Canal Water Users' Associations

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

Strengthening activities still need to be defined. There was no strengthening under previous Project efforts. Experiences from other projects within MWRI and IAS regarding monitoring and strengthening of water user organizations are being reviewed and adapted.

The objective for the LIFE-IWRM project is to streamline the establishment and strengthening process to allow cost-efficient replication while ensuring sustainability.

Unless amendments to Law 12/1984 are approved, it will be difficult for BCWUAs to become legal entities, hire employees, and collect fees.

Task 3: Equitable Allocation of Water Resources

Most of the water management training activities can be implemented only after computers and water monitoring equipment are procured and delivered to newly established IWMDs. Procurement of this equipment is ongoing.

The assignment of technical staff for water monitoring at district-level faces delays and specific issues such as engineer shortage in Upper Egypt. This process is facilitated through 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. Implementation of a pilot liquid waste water project will require external funding. A proposal will be submitted to Japanese Embassy to solicit support funds for this purpose.

Local community will be required to guarantee availability of land to locate solid and liquid waste facilities before Project funds can be committed.

Task 6: Improved Wastewater Reuse Practices

EEAA has requested that the Egyptian Standards on Re-Use of Treated Wastewater be signed and approved before beginning this activity.

Initial water quality tests on the effluent from the Luxor Waste Water Treatment Plant show a higher COD and BOD than anticipated. This will limit crop selection.

Task 7: Graduate Degree Training

None at this time.

Training

Instead of hiring an additional STTA Local Training/Institutional Development Specialist, current TA team and MWRI staff will be used to support workshops and training activities within Tasks 1, 2, and 3.

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 |
|---------------|---|
| Greg Olson | Project Administrator |
| 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. Mostafa Saleh | Environmental Expert/Team Leader |
| 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 |

| NAME | POSITION |
|--------------------------------------|---|
| Eng. Ayad Kariakos | Local Demonstration Site Manager |
| Dr. Hussein El Atfy | Senior Management / Institutional Specialist |
| 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 |
| Abdalla El Etriby | Deputy Task manager/ Senior Solid Waste Management Specialist |
| Magda Nassef | Environmental Specialist |
| Samiha Ghabbour | Liquid Waste Management Specialist |
| Peter Nasr | Liquid Waste Management Specialist |
| Salah Zaki | Institutional Development Expert |
| Samir Shawky | Training Specialist |
| Dr. Hassan Abou Bakr | Senior Training/Institutional Development Specialist |

VI. STATUS OF FINANCES AND EXPENDITURES

Financial summary for the reporting period January-March 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 | | 83,906 | 168,269 | 1,169,239 | 9.18 | | |
| Other Direct Costs | 4,756,111 | | 275,627 | 436,734 | 4,319,377 | 9.28 | | |
| Subcontractor Handling Fee | 53,486 | | 2,934 | 4,965 | 48,521 | 10.23 | | |
| Fixed Fee | 338,090 | | 19,936 | 34,573 | 303,517 | 10.23 | | |
| Total Cost Plus Fixed Fee | 6,485,194 | 5,000,000 | 382,404 | 663,177 | 5,822,017 | 9.18 | 4,336,823 | 13.26 |

Source: IRG Invoices #1, 2, 3, 4, 5 plus estimate of invoice 6

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 | | 528,125 | 853,860 | 5,923,567 | 12.60 | | |
| Other Direct Costs | 15,290,311 | | 1,349,774 | 2,269,007 | 13,021,304 | 14.84 | | |
| Subcontractor Handling Fee | 98,769 | | 2,452 | 5,725 | 93,044 | 5.80 | | |
| Fixed Fee | 1,219,157 | | 103,419 | 172,073 | 1,047,084 | 14.11 | | |
| Total Cost Plus Fixed Fee | 23,385,664 | 15,333,333 | 1,983,771 | 3,300,666 | 20,084,998 | 14.11 | 12,032,667 | 21.53 |

Source: Source: IRG Invoices #1, 2, 3, 4, plus estimate of invoice 5

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 |