

**Ministry of Public Works and Water Resources
US Agency for International Development
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Environmental Policy and Institutional Strengthening Indefinite Quantity Contract**

**APRP - Water Policy Reform Activity
Contract PCE-I-00-96-00002-00
Task Order 807**

**QUARTERLY REPORT
(JULY-SEPTEMBER 1999)**

Report No. 25

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Water Policy Reform Program

International Resources Group

Nile Consultants

Winrock International

QUARTERLY REPORT
(JULY-SEPTEMBER 1999)

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I. SUMMARY

During the 3rd quarter, July to September 1999, the EPIQ TA team worked with USAID, MPWWR, MALR, WPAU and the other APRP TA units to finalize the content and prepare draft implementation work plans for the Tranche IV water policy benchmarks.

The MOU for Tranche IV was signed on 20 September 1999. The MOU includes 20 policy benchmarks to be completed in two phases. Phase 1 is to be completed by 31 December 2000 and Phase 2 is to be completed by 31 December 2001. There are five benchmarks involving water policy reform. These are:

- C.1. Reducing Mismatch of Irrigation Deliveries
- C.2. Urban Wastewater and Drainage Reuse
- C.3. Water Management at the Directorate Level
- C.4. Irrigation Management Transfer
- C.5. Revision of Law 12

The Tranche IV water policy benchmarks were approved by the MPWWR steering committee on 27 July 1999. The MPWWR has sole responsibility for four of these benchmarks (C.2, C.3, C.4, C.5). The remaining benchmark (C.1 Mismatching) is a joint benchmark with the Ministry of Agriculture and Land Reclamation (MALR). Four of the benchmarks are multi-year benchmarks, which means they will require partial completion in Phase 1 (December 2000) and final completion in Phase II (December 2001). Two of the benchmarks are being coordinated by WPAU (C.3, C.5), two of the benchmarks are being coordinated by EPIQ (C.2, C.4); and EPIQ/RDI/PMU are jointly coordinating one benchmark (C.1).

The draft work plans for the Tranche IV benchmarks were prepared by the responsible task group in consultation with relevant cooperators with direct assistance from the following APRP TA units: Water Policy Advisory Unit (WPAU), EPIQ Water Policy Team (EPIQ), Main System Management (MSM), Program Management Unit (PMU), Monitoring, Verification and Evaluation Unit (MVE), and the Reform Design and Implementation Unit (RDI).

The draft Tranche IV water policy benchmark work plans were discussed at a Water Group retreat held in Port Said on 13-14 September. The draft work plan will be presented to HE Minister Public Works and Water Resources, USAID Agriculture Policy Team and the MPWWR Steering Committee at a workshop scheduled for October 1999. The comments and suggestions provided at this workshop will be incorporated into the final work plans

Specific Accomplishments:

C.1. An initial working group was formed to begin the task of developing a system, or systems, of real-time information flow. Four governorates were identified as potential pilot areas: Beheira, Beni Seuf, Luxor/Qena and Sharkaya. A workshop was held for the governorate-level administrators of both MPWWR and MALR in September in Cairo, at which initial discussion of

implementation approaches took place and specific pilot districts were identified. A draft work plan for the benchmark was prepared.

C2. An EPIQ task group was formed. Investigation of the practice of wastewater discharge and reuse in the field was started. Possible pilot areas were identified. These include Lower Serw, Upper Serw, and Bahr Hadous drains, where drainage water is polluted by urban sewage from nearby cities and industries and is then provided to the Salaam Canal for reuse. Close cooperation with the following inter-ministry agencies will be the core of the benchmark: National Organization of Potable Water and Sanitary Drainage (NOPWASD) of Ministry of Housing and Reconstruction and Urban Development (MHRUD), Afforestation Department (AFD) of Ministry of Agricultural and Land Reclamation (MALR), Environmental Health Department (EHD) of Ministry of Health and Population (MHP), Compliance Office (CO) of Ministry of Environmental Affairs (MEA), and General Economic Organization for Potable Water and Sanitary Drainage (GEOPWASD) in selected Governorates. Cooperation within MPWWR will include: Egyptian Public Authority for Drainage Projects (EPADP), Dakahlia Irrigation Directorate, and Drainage Research Institute (DRI) of the National Water Research Center (NWRC). A draft work plan for the benchmark was prepared in consultation with the MPWWR, USAID and these cooperators.

C3. WPAU will take the lead on this benchmark. Qena Directorate from Upper Egypt, and Sharkiya Directorates from Lower Egypt have been identified as the two directorates to be involved in this program. A draft work plan for the benchmark was prepared.

C.4. The EPIQ team working with staff of the WPAU initiated outreach within MPWWR among senior departmental heads regarding perceptions and potential for IMT interventions. Meetings were held with heads of the Irrigation Department, Irrigation Advisory Service, Drainage Authority, Horizontal Expansion Sector, Mechanical and Electrical Department, Planning Sector, and Water Policy Advisory Unit, as well as the Groundwater Research Institute under the NWRC. A draft work plan for the benchmark was prepared in consultation with USAID, and counterparts in the USAID. Draft scopes of work for consultancy LOEs were prepared in anticipation of consultants being mobilized following Steering Committee approval of the work plan in November. Field visits have been planned for three areas initially designated by the Irrigation Department as being possible candidates for introducing the IMT concept. A working group has been proposed comprised of the EPIQ Senior Sociologist (task leader), and representation from the WPAU, MED, Irrigation Sector, IAS, EPAD, and Horizontal Expansion sector. An IMT Task Force will be formed under the operational aegis of the Steering Committee, to provide oversight and guidance to the implementers of the benchmark work plan. A review was undertaken of the approaches and levels of reported impact of IMT experiences in 13 countries; a summary was prepared that distills the information into a matrix format.

C5. WPAU will take the lead on this benchmark. EPIQ assisted WPAU in finalizing the final benchmark, preparing the draft work plan, and MPWWR discussions on institutional and political aspects of revising law 12

Other Activities

Support from short-term expatriate specialists for the EPIQ/WPAU activities during this reporting period was limited. Peggy Elliott (writer/researcher) completed her assignment on preparation of water policy program success stories.

Henk Knipsheer (Winrock Project Director) visited the project during July 1999.

Roberta Mahoney (Associate Director Economic Growth/USAID) made an introductory visit to H.E. Minister MPWWR on 22 August. She was accompanied by Craig Anderson (Acting Division Chief, Ag. Policy Unit/USAID), Wadie Fahim (USAID), Eng. Gamil (WPAU), and Jeff Fredericks (EPIQ)

Richard Brown (Mission Director, USAID), Roberta Mahoney (Associate Director, Economic Growth/USAID), and Tom Olson (Division Chief, Ag. Policy Unit/USAID) made a visit to the EPIQ/WPAU offices at MPWWR after meeting with H.E. Minister MPWWR on 31 August.

II. ACCOMPLISHMENTS DURING THE REPORT PERIOD

Staffing

The EPIQ resident team has a technical consulting staff of ten people and an administrative support staff of seven people.

The only short-term expatriate specialist supporting the EPIQ/WPAU activities during this reporting period was Peggy Elliott (writer/researcher).

The team was supported during the period by short-term local Egyptian TA that included Eng Hussein Elwan (irrigation management specialist) and Eng. Sanaa (data analysis specialist).

Henk Knipscheer (Winrock home office project director) was in Cairo from 12-14 July to review project activities and meet with MPWWR, USAID, and project staff.

Benchmark Support

The MOU for Tranche IV was signed on 20 September 1999. Phase 1 is to be completed by 31 December 2000 and Phase 2 is to be completed by 31 December 2001. The water policy benchmarks for Tranche IV are:

- C.1. Reducing Mismatch of Irrigation Deliveries
- C.2. Urban Wastewater and Drainage Reuse
- C.3. Water Management at the Directorate Level
- C.4. Irrigation Management Transfer
- C.5. Revision of Law 12

The MPWWR has sole responsibility for four of these benchmarks (C.2, C.3, C.4, C.5). The remaining benchmark (C.1 Mismatching) is a joint benchmark with the Ministry of Agriculture and Land Reclamation (MALR). Four of the benchmarks are multi-year benchmarks, which means they will require partial completion in Phase 1 (December 2000) and final completion in Phase II (December 2001). Two of the benchmarks are being coordinated by WPAU (C.3, C.5), two of the benchmarks are being coordinated by EPIQ (C.2, C.4); and EPIQ/RDI/PMU are jointly coordinating one benchmark (C.1).

C.1. Reducing Mismatching of Irrigation Deliveries (MPWWR/MALR)

Dr. John Keith (task manager), Eng. Ragab Abdel Azim and Dr. El-Sayed Mahdy have primary responsibility for this activity for the EPIQ team with short-term TA support from Eng. Hussein Elwan. A joint working group with representatives from MPWWR, MALR, EPIQ, RDI and PMU was formed to study strategies on information flow. Dr. John Keith, EPIQ economist, chairs the working group. Members of the Mismatching working group executive committee include: Dr. J Keith (EPIQ), Eng. Ragab Abdel Azim (EPIQ), Dr. S. Mahdy (EPIQ), Dr. J Gleason (RDI), Dr. S. Hussein (RDI), Eng. H. Elwan (MPWWR), Mr. M. Nour (PMU), and Eng.

M. Mabrouk (USAID). The working group is augmented by Under-Secretaries and General Directors, for both MPWWR and MALR, from the four governorates selected for pilot areas Sharkaya, Beheira, Beni Seuf and Qena/Luxor. The working group is being expanded to include members from the Water Communications Unit, the Water Policy Advisory Unit, and the Main System Management Project.

Activities carried out by the EPIQ team during the report period were:

- An initial working group meeting was held to formulate short-term plans
- Four governorates for pilot areas in which mismatch activities are to be carried out were selected. The basic approach will be to develop timely information collection and transfer regarding cropping patterns and calendars and water deliveries in order to assure accurate water deliveries.
- Informal discussions were held with the Under-Secretaries and General Directors for MPWWR and MALR in the Sharkaya, Beheira, Beni Seuf and Qena/Luxor governorates.
- A formal working group workshop was held in Cairo on 20-21 September to identify problems and approaches to providing for real-time accurate information flow between farmers, the MALR and the MPWWR, and to tentatively select pilot districts.

C.2: Water Quality and Drainage Reuse

The EPIQ water quality task group members, Dr. Zhongping Zhu (task manager), Dr. Ibrahim Ellassiouti, and Dr. Ahmed Fakhry Khattab conducted the following activities under this benchmark during the report period.

- Investigating field practice of urban wastewater discharge and reuse in the Delta region.
- Reviewing literature and international experience of wastewater irrigation.
- Identifying the main management and technical issues in wastewater discharge and reuse in the Delta region.
- Reviewing wastewater treatment plant development, both in-operation and under-construction in Dakahlia region, with schematic drawings.
- Identifying the benchmark implementation focusing area (Dakahlia Governorate).
- Understanding the inter-ministry relationships in managing urban wastewater treatment and disposal.
- Developing collaborative relationships with potential cooperators.
- Laying out work boundary, consulting scope of work with cooperative parties, and drafting benchmark work plan document.
- Preparing EPIQ Port Said Retreat Workshops, presenting the draft work plan to the WPAU and USAID project officer and revising it based upon the recommendations from the workshop.

C.3: Water Management at the Directorate Level

The lead for this activity is with WPAU and MSM. EPIQ will provide short term TA support for this activity through the EPIQ task order.

The major accomplishments during the reporting period included:

- Qena Directorate from Upper Egypt, and Sharkiya Directorate from Lower Egypt have been identified as the two directorates to be involved in this program.
- A draft work plan for the benchmark was prepared.

C.4: Irrigation Management Transfer

Dr. Robert Cardinalli (task manager) with support from the MPWWR Water Policy Advisory Unit (Eng. Nasser Ezzat and Eng. Sarwat Fahmy) is responsible for this activity.

The major accomplishments during the reporting period included:

- Irrigation Management Transfer was formally approved by GOE and USAID as benchmark C.4 in the Water Policy component of the APRP Tranche IV memorandum of understanding. The EPIQ and WPAU teams undertook outreach within MPWWR among senior departmental heads, with regard to perceptions and potential for IMT interventions. Meetings were held with heads of the Irrigation Department, Irrigation Advisory service, Drainage Authority, Horizontal Expansion Sector, Mechanical and Electrical Department, Planning Sector, and Water Policy Advisory Unit, as well as the groundwater institute under the NWRC.
- A draft work plan for the benchmark was prepared in consultation with USAID, and counterparts in the USAID.
- Draft scopes of work for consultancy LOEs were prepared in anticipation of consultants being mobilized following Steering Committee approval of the work plan in November. Field visits have been planned for three areas initially designated by the Irrigation Department as being possible candidates for introducing the IMT concept.
- A working group has been proposed comprised of the EPIQ Senior Sociologist (task leader), and representation from the WPAU, MED, Irrigation Sector, IAS, EPAD, and Horizontal Expansion sector.
- An IMT Task Force has been proposed under the operational aegis of the Steering Committee, to provide oversight and guidance to the implementers of the benchmark work plan.
- A review was undertaken of the approaches and reported impacts of IMT programs in 13 countries; a summary was prepared that distills the information into a matrix format
- MPWWR Action Team on Participatory Irrigation Management continued to meet on monthly basis, and planned for training of water users and field agents.

C.5: Revision of Law 12

The lead for this activity is with WPAU. Dr. Ibrahim Elassiouti (EPIQ coordinator) is assisting. EPIQ will provide short term TA support for this activity through the EPIQ task order.

Activities carried out by the EPIQ team during the report period included:

- Assisting WPAU in developing, modifying and finalizing the benchmarks.

- Assisting in preparing the draft work plan.
- Establishing relationship with the chairman of the MPWWR task committee who was authorized to revise the law.
- Discussing institutional and political aspects of revising law 12 with Eng. Yehia Abdel Aziz, Chairman of Irrigation Sector, MPWWR and Eng. Abdel Rahman Shalaby, Chairman of Planning Sector, MPWWR.

Studies

The terms of reference for the EPIQ task order is structured around a results package jointly designed by USAID and MPWWR consisting of integrated water policy and institutional reforms. To support this results package, the EPIQ team is able to carry out studies that support policy reform or have the potential of leading to future policy benchmarks.

Agricultural Water Demand

The working group, composed of Drs. Mansour, Siyam, Shaed (MALR), Bayoumi (MPWWR), Ms. Awatef and Evette (MALR Stat Center), Drs. Enders and Morsy (MVE), Gleason, Hussein (RDI), Meuller (Dutch Planning Project), and Keith (EPIQ) as chair, and the technical subcommittee, composed of Keith, Gleason, Awatef, Evette, Bayoumi, and Morsy continued to review technical aspects of the model, to update the data base, and to identify specific problems and solutions with respect to the model's use.

Activities carried out by the EPIQ Team were:

- Review of the import and export activities within the model, their impact on model solutions, and possible amelioration of structural problems.
- Beginning preparation of a draft document describing the model and its potential uses

Benefits from M&I Water Treatment

Contact with the proposed expatriate TA was maintained. This study will provide economic data for the Tranche IV Water Quality and Drainage Reuse Benchmark.

Implementation Activities

The EPIQ team is involved in supporting select activities that relate directly to implementation of previous water policy benchmarks.

Sugarcane Water Use Policies (MPWWR/MALR)

Dr. John Keith (task manager), Engineer Ragab Abdel Azim and Dr. El-Sayed Mahdy have primary responsible for this activity for the EPIQ team with short-term TA support from Eng. Hussein Elwan. A joint working group with representatives from MPWWR, MALR, EPIQ, RDI and PMU was formed to study strategies on water management alternatives for sugar cane for

Tranche II. For Tranche III activities this group was expanded to include representatives from WPAU, GreenCom, and WCU. Dr. John Keith, EPIQ economist, chairs the working group. Members of the sugarcane working group include: Dr. J Keith (EPIQ), Dr. S. Mahdy (EPIQ), Dr. J Gleason (RDI), Dr. S. Hussein (RDI), Dr. A. Allam (MALR-SCRI), Eng. H. Elwan (MPWWR), Mr. M. Nour (PMU), Dr. A. El-Berry (MALR-AEnRI), Dr. A. Behery (MALR-AenRI), Dr. T. Rizk (National Consulting Firm), Dr. C. Anderson (USAID – observer), Eng. M. Mabrouk (USAID) and Eng T. Nada (WPAU). EPIQ's water measuring and monitoring activity will be assumed by the Main System Management program in the MPWWR.

Activities carried out by the EPIQ team during the report period were:

- Monitoring the installation of weirs on pilot canals
- Coordination of EPIQ activities with development of the on-farm irrigation activities of RDI
- Review of a video tape prepared by GreenCom to assist in expanding the on-farm irrigation improvement activities
- The Water Savings through improved irrigation of Sugarcane report was completed by RDI (Report 71).

Rice Water Use Policies (MPWWR/MALR)

Dr. John Keith (task manager), Engineer Ragab Abdel Azim and Dr. El-Sayed Mahdy have primary responsibility for this activity for the EPIQ team with short term TA support from Eng. Hussein Elwan. A joint working group with representatives from MPWWR, MALR, EPIQ, RDI and PMU was formed to study strategies on water management alternatives for rice for Tranche II. For Tranche III activities, this group was expanded to include representatives from WPAU, GreenCom, and WCU. Dr. John Keith, EPIQ economist, chairs the working group. Members of the rice working group include: Dr. J. Keith (EPIQ), Dr. S. Mahdy (EPIQ), Dr. J. Gleason (RDI), Dr. S. Hussein (RDI), Dr. A. Tantawi (MALR-RRI), Eng. H. Elwan (MPWWR), Mr. M. Nour (PMU), Dr. C. Anderson (USAID – observer), and Eng. M. El-Margoushy (WPAU). Water measurement and monitoring will be completed on the rice demonstration areas by October 31, 1999.

Activities carried out by the EPIQ team during the report period were:

- The Sidi Gamee Pilot report (Report 22) was completed.
- Monitoring of water distribution on the six demonstration and six control areas continued through the rice cropping season and the data were transmitted to the Central Directorate for Water Distribution on a bi-weekly basis.

TA Support

USAID and MPWWR have agreed to a third category of support under the EPIQ Task Order, which will use the EPIQ funds to help bring in expatriate TA to assist MPWWR in a few potential policy related areas not directly addressed in the EPIQ task order and the initial implementation work plan.

Peggy Elliott (writer/researcher) completed her assignment on preparing a series of success stories on the effectiveness of activities undertaken by the various USAID water units.

Workshops

APRP/EPIQ sponsored several workshops, which were held in Luxor and Qena, for farmers involved in the improved irrigation on sugarcane.

EPIQ sponsored a two-day retreat in Port Said on September 13-14, 1999. The purpose of the retreat was to i) reach agreement between EPIQ, WPAU and USAID on draft work plan for Tranche IV water policy benchmarks, ii) finalize the list of proposed studies and implementation activities to be carried out during Tranche IV for subsequent submission to USAID and MPWWR, iii) prepare a list of recommended follow-up activities for Tranche III benchmarks, and iv) prepare overall schedule and methodologies to be used in carrying out Tranche IV Benchmark activities, studies and implementation activities. Participants included the EPIQ team, Eng. Gamil and WPAU staff, and Eng. Mabrouk (USAID).

EPIQ/RDI sponsored a workshop for the development of the Reducing Mismatching Benchmark in Cairo for approximately 30 persons from the MPWWR and MALR. The workshop was held on 20-21 September at the Flamenco Hotel in Cairo. The workshop was attended by the Eng. Ali Morsey Bat (MPWWR), Eng. Elwan (MPWWR), Mr. Nour (PMU), Dr. Fawzi Naeem (MALR), under secretaries and general directors from MALR and MPWWR for Sharkaya, Beheira, Beni Seuf and Qena/Luxor governorates, representatives from the APRP EPIQ, RDI, PMU, and MVE TA teams.

APRP/EPIQ Coordination

Close coordination between the EPIQ team and other units of APRP, USAID and MPWWR continued.

Members of the EPIQ WPRP team participated in the weekly APRP coordination meetings and the monthly PPC meetings.

Regular water group coordination meetings were held at MPWWR. Participation included members from WPAU, EPIQ WPRP, MSM, and GreenCom/WCU. These meetings focused on development of Tranche IV benchmarks.

Periodic meetings of the rice-working group, the sugarcane working group and the newly formed mismatch-working group were held throughout the quarter.

Two MPWWR steering Committee meetings were held during the reporting period. The first meeting was held on July 27 July to finalize the content of the Tranche IV water policy benchmarks. The second meeting was held on 9 September at the request of USAID to discuss the improved management of environment and natural resources in the water sector. The MPWWR steering committee members are: Eng. Gamil (Chairman), Eng. Abdel Rahman Shalaby (MPWWR),), Dr. Mona El-Kady (MPWWR), Eng. Yehia Abdel Aziz (MPWWR),

Eng. Ramsis Bakhoum (MPWWR), Eng. Hussein El-Atfy (MPWWR), Dr. Craig Anderson (USAID) and Dr. J. Fredericks (EPIQ).

EPIQ COP attended the quarterly USAID SO1 meeting on 8 September.

Dr. J. Fredericks (EPIQ) and Dr. Ahmed F. Khattab (EPIQ) attended the first meeting of the MPWWR Co-Ordination Committee on Water Resources Planning Projects held on 28 July 1999 at MPWWR. Participants from MPWWR included Eng. Shalaby (chairman), Dr. Mona El-Kady, Dr. Bayoumi B. Attia, Dr. Shaden Abdel-Gawad, Dr. Samia El-Gundy, Dr. Abd El-Ftah Metawe, Eng. Hussein El Atfy, Eng. Kamal M. Enany, and Dr. Hussein Fahmy. K. Veeningen (National Water Resources Plan Project) also attended.

Roberta Mahoney (Associate Director Economic Growth/USAID) made an introductory visit to H.E. Minister MPWWR on 22 August. She was accompanied by Craig Anderson (USAID) and Wadie Fahim (USAID). Eng. Gamil (WPAU), and Jeff Fredericks (EPIQ) joined the group for the meeting with the Minister. After the meeting Roberta Mahoney toured the EPIQ/WPAU offices on the 9th floor MPWWR.

Richard Brown (Mission Director), Roberta Mahoney (Associate Director, Economic Growth), and Tom Olson (Division Chief, Ag. Policy Unit) made a visit to the EPIQ/WPAU offices at MPWWR after meeting with H.E. Minister MPWWR on 31 August.

Reports

The following reports were issued:

- EPIQ Report No. 22: "Short Duration Rice Variety Pilot Program Results"
- EPIQ Report No. 23: "Quarterly Report (April– June 1999)"

Administrative Issues

The EPIQ Team was concerned with the following administrative issues during the reporting period:

- Jacqueline Rizk, bookkeeper, resigned.
- Jeff Fredericks, Zhongping Zhu, John Keith, Robert Cardinalli, and Greg Olson, all took leave outside Egypt during this quarter.
- Greg Olson was in the US on medical leave for the last several weeks in September.

III. ACTIVITIES PLANNED FOR NEXT QUARTER

Staffing

Recruitment for the resident positions of expatriate Senior Irrigation Engineer and Economist will begin. Short-term local TA to support Tranche IV benchmark activities and studies will be identified, approved and mobilized.

Benchmark Support

C.1: Reducing Mismatch of Irrigation Deliveries

The following activities are planned for next quarter:

- Complete governorate-level meetings on approaches to information transfer.
- Identify and refine specific approaches to information transfer to be implemented on the pilot areas.
- Identify training needs for participant in the pilots, including process documentation training.
- Make any initial training plans, including levels of personnel to be trained and identification of personnel for training.
- Hold a final planning seminar with the Working Group.
- A plan will be developed for the continued activity of the EPIQ staff in light of the departure of Dr. Keith in December.

C.2: Water Quality and Drainage Reuse

The following activities are anticipated for the next quarter:

- Prepare for the WPRP/APRP Tranche IV Workshop in Alexandria, present the work plan to the MPWWR Steering Committee and USAID, and finalize the plan with the recommendations of the workshop.
- Establish official collaborative relationships with all inter-ministry parties involving this benchmark.
- Develop the scope of work and terms of reference for all inter-ministry parties and individual local consultants involving this benchmark.
- Draft, and consult with the Steering Committee and USAID, a prototype policy document to be submitted to the Minister and GOE Cabinet at the end of year 2000.

C.3: Water Management at the Directorate Level

WPAU is taking the lead on this benchmark. EPIQ will assist as necessary.

C.4: Irrigation Management Transfer

The following activities are planned for the next quarter:

- Finalization for Tranche V benchmark work plan and approval by Steering Committee.
- Formation of benchmark Task Force under the aegis of the Steering Committee
- Mobilization of the benchmark working group, under the leadership of the EPIQ task leader, with representation from relevant departments and sectors within MPWWR.
- Recruitment of part-time consultants from MPWWR to assist in benchmark implementation with regard to 1) PIM issues, and 2) institutional management and policy issues.
- Hold IMT benchmark Visioning Workshop, to develop consensus on future direction and various institutional roles regarding the IMT work plan. Participants to include private sector companies, representatives from water user organizations, senior officials from MPWWR, and leaders from governorates, in addition to members of the benchmark working group.
- Initiation of stakeholder focus group meetings regarding IMT interest, potential and constraints.
- Review of current organizational models in Egypt for farmer participation, including WUAs, BCWUAs, Water Boards, federations, traditional canal committees, drainage collector user organizations, cooperatives, etc.
- Development of criteria and assessment of land classifications and tenureship patterns will be started, in terms of IMT potential and constraints.

C.5: Revision of Law 12

The following activities are planned for the next quarter:

- Review historical and current documents on irrigation and drainage legislation in Egypt.
- Review the new developments concerning irrigation and drainage since 1984.
- Envision the changes in strategies and policies concerning irrigation and drainage.
- Prepare SOW and recruit short term TA to support this activity.
- Assist WPAU as required
- Prepare for a workshop to be attended by governmental and non-governmental stakeholders concerned with the revision of law 12/1984 and its supplementary law 213/1994.

Studies and Other Activities

On-going studies will be continued and new studies will be identified. On-going studies include the agriculture water demand and GIS study. EPIQ will continue to assist MPWWR in the implementation of the Tranche III benchmark activities involving rice and sugarcane.

Agricultural Water Demand

The following activities are planned for next quarter:

- A report providing a description of the model, its structure, and its data will be completed.
- A white paper on the value of water will be completed.

Benefits from M&I Water Treatment

The following activities are planned for next quarter:

- Contact with the STTA will be maintained until a decision is reached on the timing of the study.

Privatization of pipe factories

The following activities are planned for next quarter:

- Identify other interests who are involved in similar studies (in particular, the World Bank)
- Identify appropriate STTA to address the legal and financial problems of privatization.

Sugarcane Water Use Policies (MPWWR/MALR)

The following activities are planned for next quarter:

- Review water data and water data collection program.
- Continue minimal coordinated oversight of extension of gated pipe systems to additional areas.

Rice Water Use Policies (MPWWR/MALR)

The following activities are planned for next quarter:

- Continue coordinated oversight and review of water data and water data collection program.
- Completion of a draft report on water application for short duration varieties

GIS Study

This study is being carried out by MPWWR. EPIQ will assist as required.

Sugarcane Water Use Policy Implementation (MPWWR/MALR)

The following activities are planned for next quarter:

- Review water data and water data collection program.
- Complete final report on the pilot program.
- Continue coordinated oversight of extension of gated pipe systems to additional areas.

Rice Water Use Policy Implementation (MPWWR/MALR)

The following activities are planned for next quarter:

- Complete the Sidi Gamee Pilot report.
- Continue coordinated oversight of the short duration rice variety demonstration areas.
- Continue coordinated oversight and review of water data and water data collection program.

TA Support

As part of the work plan development program, the EPIQ team will be identifying possible TA to support the Tranche IV activities.

Other Activities

It is expected that a Tranche IV Water Policy Benchmark Implementation workshop will be held in October 1999 to present the implementation plan for the Tranche IV Water Policy Benchmarks to the MPWWR Steering Committee, USAID and other stakeholders, and reach agreement on key milestones, time schedules, resource requirements, and roles and responsibilities.

Reports

The following reports are expected to be completed during the next report period:

- ASME Description and Use
- Water values white paper
- Draft report on water application on rice demonstration canals

Administration

The following activities are planned for the next quarter:

- Continue search for replacement expatriate candidates for the senior irrigation engineer and economist positions.
- Continue search for replacement of local admin support staff.
- Respond to RFP for EPIQ project extension for the period from July 2000 to September 2002.

IV. PROBLEMS AND ISSUES

Cooperation between EPIQ and USAID, MPWWR, WPAU, other APRP units is excellent. HE Minister Public works sent an accommodation letter to the USAID Mission Director commending the work done by USAID and the EPIQ team in helping to complete Tranche III benchmark activities.

The Tranche IV benchmark MOU was signed in September 1999.

APRP has been extended an additional 27 months from 30 June 2000 until 30 September 2002.

Dr. John Keith will terminate his LTTA on December 31, 1999. A plan for the continued support of benchmarks, studies, and other activities in which he is involved will be prepared prior to his departure.

There are no other major problems or issues at this time.

V. IMPORTANT TRIPS, VISITS AND MEETINGS

DATE	LOCATION	PURPOSE	PARTICIPANTS
Weekly	APRP Dokki/ MPWWR	APRP Coordination Meeting	USAID; APRP TA Teams
July 1	MPWWR / Cairo	Coordination meeting with Dutch Water Boards Project	Dr. R. Cardinalli (EPIQ) Jan Bron (Team Leader, DWBP) William Olliemanns (DWBP)
July 6	Maadi	Discussion on EPIQ PSU Project	Allen Davis (USAID) Ken Baum (USAID) J. Fredericks (EPIQ)
July 6-7	Luxor, Qena	Observe farmer meetings and review progress on sugarcane activities	SCWG
July 8	MPWWR	Introductory Meeting with Dutch Water Board Project Staff	Jan Bron (Team Leader, DWBP) J. Fredericks (EPIQ)
July 10	MPWWR Office, Zagazig	Observe Rice Demonstration Area	J. Keith (EPIQ) Eng. Ragab (EPIQ) Dr. Mahdy (EPIQ)
July 12	APRP	Establish Mismatch Activities	Mismatch Working Group (MWG)
July 12- 14	Cairo	Visit by Winrock Project Director	Henk Knipscheer (Winrock) Eng. Gamil (WPAU) Dr. C. Anderson (USAID) EPIQ Team
July 19	MPWWR, Beni Seuf	Discuss Mismatch Activities	Dr. J. Keith (EPIQ) Dr. Mahdy (EPIQ) Eng. Ragab (EPIQ) Dr. J. Fredericks (EPIQ) Eng. H. Elwan (MPWWR) Eng. Hasab El-Naby (Under-Sec, MPWWR) and staff Kamil Abdel-Zahir (Gen. Dir. of MALR)
July 20	Zagazig	Discuss Mismatch Activities	Dr. J. Keith (EPIQ) Dr. Mahdy (EPIQ) Eng. Ragab (EPIQ) Eng. H. Elwan (MPWWR)

DATE	LOCATION	PURPOSE	PARTICIPANTS
			Mohamed El Warraki (Gen Dir Irrig, MPWWR) Eng El-Sayed Elaiwa (Gen. Dir, MALR)
July 25-26	Luxor MPWWR Office	Discuss Mismatch Activities	Dr. Mahdy (EPIQ) Eng. Ragab (EPIQ) Dr. J. Fredericks (EPIQ) Eng. H. Elwan (MPWWR) Eng. Moustafa Abou Kreisha (Under-Sec, MPWWR) and staff
July 26-27	Luxor, Qena	Installation of weirs, water monitoring for Sugar Cane activity	Eng. Ragab (EPIQ) Inspector & Dist Eng, Isna
July 27	MPWWR	MPWWR Steering Committee Meeting	Eng. Gamil (Chairman) MPWWR Steering Committee Dr. C. Anderson (USAID) Dr. Wadie Fahim (USAID) Eng M. Mabrouk (USAID) Eng. Sarawat (WPAU) Eng. Nasser (WPAU) Dr. J. Fredericks (EPIQ)
July 27	NOPWASD / Cairo	Discussions on Water Quality Benchmark	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Eng. Magda Gaballa (NOPWASD) Eng. Mohsen Mamdouh (NOPWASD)
July 28	MPWWR	Co-Ordination Committee on Water Resources Planning Projects	Eng. Shalaby(MPWWR) Dr. Bayoumi (MPWWR) Dr. Samia (MPWWR) Dr. Hossam Fahmy (MPWWR) K. Veemingen (NWRP) Dr. J. Fredericks (EPIQ) Dr. Ahmed F. Khattab (EPIQ)
July 29	MPWWR	Discuss with Eng. Ahmed Maher, Chairman of law 12 Revision Committee, the draft work plan of this benchmark	Eng. Sarwat Fahmy Eng. M. N. Ezzat (WPAU) Dr. Ibrahim Elassiouty (EPIQ)
July 29	APRP	Discuss next steps in improved sugarcane irrigation	SCWG
Aug 2	GOFI office / Cairo	Exploration of GOFI involvement	Dr. I. Elassiouti (EPIQ)

DATE	LOCATION	PURPOSE	PARTICIPANTS
		in Water Quality benchmark	Dr. Z. Zhu (EPIQ) Eng. Mohamed Galal El Ghorab (GOFI)
Aug 3	Dutch-sponsored APP / Delta Barrage	Discuss the MPWWR national pollution control master plan	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. Samia Gindy, (Director, APP)
Aug 4	MPWWR / Cairo	Meeting with IAS re follow-up of IAS benchmark implementation	Dr. R. Cardinalli (EPIQ) Eng. Essam Barakat (MPWWR)
Aug 4	MPWWR Office, Damenhour	Discuss Mismatch Activities	Dr. J. Keith (EPIQ) Dr. Mahdy (EPIQ) Eng. Ragab (EPIQ) Dr. J. Fredericks (EPIQ) Eng. H. Elwan (MPWWR) Eng. Ghomeim (MPWWR) and Staff Eng. El-Tawil (MALR)
Aug 4-5	Salaam Canal and Manzala	Visit to North Sinai Development Project Authority to investigate wastewater discharge and reuse practice for water quality benchmark	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. A. Khattab (EPIQ) Eng. Magdy El Khasif (Chairman, NSDP) Eng. Mohamed Shams El Din (Under-secretary, NSDP)
Aug 8	Planning Sector	Information of the national pollution control master plan for water quality benchmark	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. A. Khattab (EPIQ) Eng. Abdel El Rahman Shallaby (Supervisor of Minister's office, MPWWR)
Aug 9	Afforestation Department of MALR	Discussions on water quality benchmark	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. Mamdouh Riad (Director, Afforestation, MALR)
Aug 11-12	Mansoura	<u>Dakahlia Directorate</u> - field trip to investigate wastewater discharge and reuse practice	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. A. Khattab (EPIQ) Eng. M. Rashad Romeah (Under sec, MPWWR) Eng. Ibrahim Farag Mohamed (Dakahlia EPADP Director)

DATE	LOCATION	PURPOSE	PARTICIPANTS
			Eng. Amal Mansoura (Dakahlia GEOPWASD Director) Eng. Maher Nassif (Dakahlia NOPWASD Chairman)
Aug 15	National Research Center of Scientific Research Ministry	Discussions with National Research Center on water quality benchmark	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. Fatma Gohry (wastewater treatment expert, NRC)
Aug 18	Kafr El Shiekh	Attend Rice Harvest Day	Dr. Mahdy (EPIQ) S. Joyce (RDI) J. Gleason (RDI) Dr. Fawzi Naem (MALR) Dr. Berry (MALR) Dr. Rizk (MALR) MALR Extension agents Rep of private rice mills farmers
Aug 17-19	Tanta, Ameriya & Alexandria	Tanta, Beheira, and Alex Directorate field trips to investigate wastewater discharge and reuse practice for water quality benchmark	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. A. Khattab (EPIQ) Eng. Galal Bedda (Undersec, Tanta, MPWWR) Eng. Abdel Mohsen Dawood (Tanta GEOPWASD Director) Eng. Mosaad El Qeagaa (Undersec, Alex, MPWWR), Eng. Hassan El Hakeh (AGOSD Chairman) Eng. Kamal Ghoneim (Under sec, Beheira), and Eng. El Said Helal (NOPWASD Director in Beheira and Mounofia Directorates)
August 22	MPWWR	Meeting with Minister, MPWWR	Dr. Abu Zeid (Minister, MPWWR) Eng. Gamil (WPAU) Dr. R. Mahoney (USAID) Dr. C. Anderson (USAID) Dr. Wadie Fahim (USAID)

DATE	LOCATION	PURPOSE	PARTICIPANTS
			Dr. J. Fredericks (EPIQ)
Aug 22	Field Crop Research Institute	Discussion on Rice rotations	RWG
Aug 23	MPWWR / Cairo	Meeting on BCWUA experiences	Dr. R. Cardinalli (EPIQ) Lieann Dyck (AUC)
Aug 23	MPWWR	Discuss with Eng. Ahmed Maher and other members of law 12 Committee their views regarding amendments necessary the law 12.	Eng. S. Fahmy (WPAU) Eng. M. N. Ezzat (WPAU) Dr. I. Ellassiouty (EPIQ) Eng. Ahmed Maher (Consultant, MPWWR)
Aug 23	EPADP	Discussions on water quality benchmark	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. A. Khattab (EPIQ) Eng. Mohamed Fathi (Chairman, EPADP)
Aug 24	NOPWASD / Cairo	Discussions on water quality benchmark	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Eng. Magda Gaballa (NOPWASD) Eng. Mohsen Mamdouh (NOPWASD)
Aug 27-28	6 th October City	Workshop on water measures and monitoring	Dr. J. Keith (EPIQ) Dr. Mahdy (EPIQ) Eng. Ragab (EPIQ) Dr. J. Fredericks (EPIQ) Eng. Ali Morsi Butt (MPWWR) Eng. H. Elwan (MPWWR) General directors, head of water sections and district engineers from six rice pilot directorates
Aug 30	Environment and Public Health Department of MHP	Discussions on water quality benchmark	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. Seham Mohamed Hussin Hendy (Director, EPH, MHP)
Aug 30	Kafr El Sheikh	Assist video team from GreenCom	Dr. Mahdy (EPIQ) Eng. Ragab (EPIQ) Eng. Elwan (MPWWR) Eng Sanaa (MPWWR), District engineer, general director, video team from GreenCom, local farmers

DATE	LOCATION	PURPOSE	PARTICIPANTS
Aug 31	MPWWR	Courtesy Visit to EPIQ Project	Dr. R. Brown (USAID) Dr. R. Mahoney (USAID) Dr. T. Olson (USAID) D. McCloud (USAID) EPIQ Staff
Sept 1	MPWWR / Cairo	Meeting regarding IMT Benchmark & Ideal District Study	Dr. R. Cardinalli (EPIQ) Eng. Yehya Abd. Aziz (MPWWR) Eng. Aly Morsi Butt (MPWWR) Eng. Nasser Ezzat (WPAU)
Sept 2	MPWWR / Cairo	Meeting with Eng. Askar, re IMT benchmark and Mechanical and Electrical Department plan for private sector O&M contracting	Dr. R. Cardinalli (EPIQ) Eng. Nasser Ezzat (WPAU) Eng. A.M. Askar (MPWWR)
Sept 1-2	Luxor & Qena	Check weir installation and telemetry	Eng. Ragab (EPIQ) Eng. Abou Krisha (Under Sec), Dist eng Luxor, Isna, and Elwakf, Gen director Qena, inspector of works, Isna
Sept 5	MPWWR / Cairo	Meeting with Horizontal Expansion Sector, MPPWR re IMT benchmark & Ideal District Study	Dr. R. Cardinalli, (EPIQ) Eng. Nasser Ezzat (WPAU) Dr. Dia el Quosy (HES, MPWWR)
Sept 6	MPWWR	Meeting with Eng. Yehia Abdel Aziz, Chairman of Irrigation Sector, to discuss institutional changes within MPWWR.	Eng. S. Fahmy (WPAU) Eng. N. Ezzat (WPAU)
Sept 6	NOPWASD / Cairo	Further contact and invitation of their involvement in the water quality benchmark	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Eng. Magda Gaballa (NOPWASD) Eng. Mohsen Mamdouh (NOPWASD)
Sept 7	Agriculture Club Cairo	On-farm irrigation Workshop	SCWG
Sept 8	MPWWR / Cairo	Meeting regarding with senior planning sector chairman on IMT benchmark, Ideal District Study, and proposal for MPWWR O&M contract with private sector	Dr. R. Cardinalli (EPIQ) Eng. A. Rahman Shalaby (MPWWR) Eng. N. Ezzat (WPAU)
Sept 8	USAID/Cairo	SO1 Quarterly Meeting	R. Brown (Mission Director, USAID)

DATE	LOCATION	PURPOSE	PARTICIPANTS
			R. Mahoney (SO1,USAID) SO1 COPs
Sept 9	MPWWR / Cairo	Meeting to discuss possible solutions to IDA-financed IIP project	Dr. R. Cardinalli (EPIQ) Dr. A. Subramanian (IDA) Dr. J-F. Barres (World Bank ,Cairo)
Sept 9	MPWWR	Steering Committee Meeting to Discuss “Improved Management of Environment and Natural Resources in Targeted Sectors”	Eng. Gamil (Chairman) MPWWR Steering Committee Eng. Sarawat (WPAU) Dr. T. Olson (USAID) Dr. A. Davis (USAID) Dr. K. Baum (USAID) Dr. Wadie Fahim (USAID) Eng . M. Mabrouk (USAID) Dr. J. Fredericks (EPIQ)
Sept 9	USAID / Cairo	History and current status of USAID-supported programs in urban wastewater treatment development	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Mr. Mamdouh Raslan (USAID) Mr. Glenn Whaley (project officers of wastewater treatment department, USAID)
Sept 11	MPWWR / Cairo	Meeting to discuss progress in setting up IMPIM chapter in Egypt	Dr. R. Cardinalli (EPIQ) Dr. A. Subramanian (IDA) Eng. Yehya Abdel Aziz (MPWWR)
Sept 13-14	Port Said	Water Policy Group Tranche IV planning retreat	EPIQ Staff WPAU Staff Eng. Mabrouk (USAID)
Sept 14	MPWWR	Meeting with Eng. Abdel Rahman Shalaby, Chairman of Planning Sector, to discuss sector, the political aspects of reviewing law 12/1984 and its supplementary law 213/1994.	Eng. S. Fahmy (WPAU) Eng. N. Ezzat (WPAU)
Sept 16	MPWWR	Alexandria Water Master Plan Project Briefing	John Rattray (CDM) Chris Schulz (CDM) EPIQ Team
Sept 16	MEA / Cairo	Initial contact and participation to MEA meeting on the clean-up of Moheit drain in Giza	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. Ahmed Hamza (Compliance office, MEA) other mtg participants

DATE	LOCATION	PURPOSE	PARTICIPANTS
Sept 19	Central Directorate of River Nile Protection	Contact with MPWWR representative to MEA's Moheit drain clean-up action	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. A. Khattab (EPIQ) Eng. Mohamed Morsi (Dir,CDRNP, MPWWR)
Sept 19	Delta Barrage	First meeting of MPWWR Committee on Farmer Participation	Dr. R. Cardinalli (EPIQ) Dr. Fathma Abdel Md.(MPWWR) Eng. Yehya Abdel Aziz (MPWWR) Eng. Jan Bron (Dutch water Board Project) Eng. Essam Barakat (IAS, MPWWR) Eng. Magdy Salah el-Deen (APP) Dr. Rens Verstappen (Fayoum Project)
Sept 20-21	Hotel Flamenco, Cairo	Mismatching Workshop	Eng. Ali Morsey Butt (MPWWR) Dr. Fawzi Nayeem (MALR) Mismatch WG MALR/MPWWR Under secs, gen dir of Luxor/Qena, Behiera, Sharkaya, Beni Seuf governorates
Sept 22-23	Mansoura	Investigating the Mansoura wastewater treatment plant as a case study	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Dr. A. Khattab (EPIQ) Eng. Amal Mansoura (Dakahlia GEOPWASD Director) Eng. Ibrahim Farag Mohamed (Dakahlia EPADP Director) Eng. Maher Nassif (Dakahlia NOPWASD Chairman), and staff members of Mansoura WWTP
Sept 26	CHEMONICS / Cairo	Contact with the USAID-sponsored Secondary City Project for the information of their	Dr. I. Ellassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Eng. Hesham M. Sabra

DATE	LOCATION	PURPOSE	PARTICIPANTS
		activities in selected Governorates	(Deputy COP, Chemonics) Eng. Fayez Badr (USAID) Mr. Mamdouh Raslan (USAID)
Sept 27	Zenien wastewater treatment plant	Understanding O&M practice in existing wastewater treatment plant (WWTP)	Dr. I. Elassiouti (EPIQ) Dr. Z. Zhu (EPIQ) Eng. Samir Abdel Moneim Ibrahim (West Bank Sector Head, GOSD) Eng. Mohamed Bahget Ellassali (Manager, Zenien WWTP)
Sept 30	EPAD / MPWWR	Meeting with EPAD chairman regarding IMT benchmark and drainage collector associations	Dr. R. Cardinalli (EPIQ) Eng. S. Fahmy (WPAU) Dr. Mohammad Fathy (EPAD)

VI. STAFF LEVEL OF EFFORT

Name	Position	Arrival	Departure	Cumulative (pm)
Expatriate Long Term TA				
Dr. Jeff Fredericks	Chief of Party	25 Jan 98	30 Jun 00	20.1
Thomas Burola	Administrative Officer	12 Jun 97	12 Mar 99	21.0
Tom Olson	Administrative Officer	1 July	30 June 00	3.0
Dr. Thomas Ley	Senior Irrigation Engineer Acting Team Leader	20 Jun 97	4 Feb 99	19.33
Dr. Zhongping Zhu	Senior Water Resources Engineer	13 Jun 97	30 Jun 00	27.60
Dr. John Keith	Senior Water Economist	1 Feb 98	31 Dec 99	20.0
Dr. Robert Cardinali	Senior Sociologist	20 Mar 98	30 Jun 00	18.9
Egyptian Long Term TA				
Dr. Ahmed Fakhry Khattab	Co-Team Leader	1 Aug 97	30 Jun 00	26
Dr. Ibrahim Elassiouti	Senior Water Resources Mgmt. Specialist	1 Aug 97	30 Jun 00	26
Eng. Saleh Nour	Senior Hydrogeologist	1 Sep 97	31 Aug 99	21
Dr. El-Sayed Mahdy	Economist	1 Mar 98	28 Feb 00	19
Eng. Ragab Abdel Azim	Drainage Engineer	1 Feb 98	31 Jan 00	20
Expatriate Short Term TA				
Dr. Larry King	Groundwater Management Specialist	22 Mar 99 11 May 99	16 Apr 99 21 Jun	3.0
Dr. Ramchand Oad	Water Measurement Specialist	6 Mar 99 29 May 99	19 Mar 99 11 Jun 99	1.5
Dr. John Wikins-Wells	Cost Sharing Specialist	1 May 99	11 Jun 99	1.5
Vic Kimm	Environmental Specialist	24 Feb 99 17 Apr 99	5 Mar 99 7 May 99	2.0
Dr. Frank Hanigan	Water Policy Information Specialist	18 May 99	2 Jun 99	0.75
Dr. Mike Rock	Technical Coordinator	31 Jan 98 3 May 98	6 Feb 98 15 May 98	0.75

Name	Position	Arrival	Departure	Cumulative (pm)
Ellen Corbin	Acting Administrator	6 April 99	22 April 99	1.0
Greg Olson	Acting Administrative Officer	16 May 99	30 Jun 99	1.0
Margaret Elliot	Technical Writer			1.5
Kristin Kent	Technical Editor			1.0
LA Lake	Technical editor			1.0
Dr. Jack Keller	Senior Irrigation Engineer	31 Jan 98 2 Mar 98 29 Apr 98	6 Feb 98 14 Mar 98 11 May 98	1.25
Dr. Robert Young	Senior Economist	31 Jan 98 3 May 98	6 Feb 98 15 May 98	0.50
Dr. Max Lowdermilk	Senior Participation Specialist	6 Feb 98	5 May 98	3.0
Local Egyptian Short Term TA				
Eng. Essam Barakat	Senior Irrigation Participation Specialist	1 Feb 98	30 Jun 99	6.7
Eng. Hussein Elwan	Irrigation Management Specialist	1 May 98 1 July	30 Jun 99 30 Jun 00	7.0
Eng. Nagati	Groundwater Management Specialist	1 Nov 98	31 May 99	2.7
Dr. Fatma Gory	Environmental Specialist	1 Nov 98	30 April 99	2.7
Eng. Abdel Abu Elnor	Sociologist/Organizational Specialist	1 Mar 99	30 Jun 99	2.7
Dr. Mohamed Mohieddin	Sociologist	1 April 99	1 May 99	1.0
Dr. Samia Galal	Environmental Specialist	1 Dec 98	1 June 99	2.0
Dr. Mohamed Rami	Computer Modeling Specialist	1 Jan. 99	30 Jan. 99	2.4
Dr. Fouad Abdalla Kheiralla	Trainer/Facilitator	1 Jan 99	30 May 99	1.0
AbdelFattah Gouda	Egyptian Institutional Specialist	1 May 99	30 Jun 99	0.5
Abdel Rahim El-Mahdy	Interpreter/Translator			1.0
Eng. Sanaa Rashid	Water Data Analysis Specialist	1 July 99	31 Dec 99	1.0
1. Eng. Adel Abdel Kader 2. Eng.	Rice Water Measurement Team	1 May 98	30 Oct 98	5.8

Name	Position	Arrival	Departure	Cumulative (pm)
3. Fawzy El Bishbihy Eng. Mahmud Rashad Nasef 4. Eng. Fawzy Ibrahim El Sobary 5. Eng. Sanaa Abdel Rashed 6. Mr. Abdel El Sayed Abdel Hamid 7. Mr. Fekry Ahmed Ibrahim				
1. Maher El-Khodary 2. Abdel Mageed Esamil 3. Nahed Mahmud Hanafy 4. Magdy Metry 5. Hany Hassan	Drainage Monitoring Team	1 Aug 98	1 May 99	7.2

Name	Position	Arrival	Departure	Cumulative (pm)
6. Refaat Taghreed Rodwan Elleithy 7. Nahla Mohamed Assem				
1. Nasr Shazly Hafez 2. Mohamed Abdel Safar Mohamed 3. Mohamed Omar Toleib 4. Mohamed Raafat Omar 5. Mansour Ibrahim Sayed 6. Saad Youssef Abdou Bakr	Groundwater Measurement Team	15 Nov 98	1 Mar 99	10.8
Egyptian Admin Staff				
Foaz El Mona Fouad	Secretary (executive secretarty)	15 Sep 97	30 Sep 99	21.5
Jacqueline Rizk	Clerk (bookkeeper)	3 Aug 97	2 Aug 99	23
Amira Serry	Clerk (secretary)	14 Dec 97	30 Sep 99	18.5
Mona Zakhary	Clerk (secretary)	2 Jun 98	30 Jun 00	13
Kalid Mokhtar	Messenger (teaboy)	1 Oct 97	30 Sep 99	21
Akmed	Messenger (teaboy)	20 Nov 97	30 Sep 99	19.2

Name	Position	Arrival	Departure	Cumulative (pm)
Mahmoud				
Saeed Maebed	Driver	12 Feb 98	30 Sep 99	16.8
Adel Moustafa	Driver	17 Feb 98	30 Sep 99	16.5
Ahmed Saeed	Driver	10 Aug 98	30 Sep 99	10.66

VII. STATUS OF FINANCES AND EXPENDITURES

Financial summary for 3rd quarter 1999 (July- September 1999)

	Itemized Budget	Prior Claimed	Current Claim	Claims to Date	Remaining Balance	Budget Claimed
Direct Labor	\$5,269,975	\$2,411,094	\$632,183	\$3,043,277	\$2,226,698	\$5,269,975
Travel and Transportation	\$448,658	\$178,173	\$12,648	\$190,821	\$257,837	\$448,658
Per Diem	\$221,277	\$100,287	\$42,068	\$142,355	\$78,922	\$221,277
Allowances	\$881,375	\$542,611	\$70,928	\$613,538	\$267,837	\$881,375
Other Direct Costs	\$1,177,769	\$705,005	\$102,496	\$807,501	\$370,268	\$1,177,769
Total	\$7,999,054	\$3,937,170	\$860,322	\$4,797,492	\$3,201,562	\$7,999,054

Source: IRG Invoice #28

VIII. LIST OF REPORTS

No.	NAME	DATE
1	APRP Tranche II Policy Benchmark Background Documentation	August 1997
2	Project Implementation Plan	October 1997
3	Annual Technical Progress Report (7 May-31 Dec 1997)	January 1998
4	Annual Work Plan (Jan.-Dec 1998)	April 1998
5	Quarterly Report (Jan.-March 1998)	April 1998
6	Assessment of Egypt's Rice Policy and Strategy for Water Management	June 1998
7	Egypt's Irrigation Improvement Program I. Performance Assessment II. Proposed National Strategy	June 1998
8	National Policy for Drainage Water Reuse	June 1998
9	Water User Association Formation Outside the Irrigation Improvement Program Area	June 1998
10	Hydrogeology of Deep Aquifers in the Western Desert and Sinai	August 1998
11	Quarterly Report (April-June 1998)	August 1998
12	WRRP Tranche III Benchmark Workplan	November 1998
13	Quarterly Report (July-September 1998)	Decemeber 1998
14	Quarterly Report (October-December 1998)	January 1999
15	Quarterly Report (January-March 1999)	May 1999
16	Policies and Procedures for Free-Flowing Groundwater Management in Egypt's Western Desert	June 1999
17	Establishment of Branch Canal Water User Associations in the Egyptian Irrigation System	June 1999
18	Institutionalization of the Irrigation Advisory Service in the Ministry of Public Works and Water Resources	June 1999
19	Water Saving Through Utilization of Short Duration Rice Varieties: National Policy Package, 1999-2000	June 1999
20	Intermediate Drainage Reuse in Bahr Bagar Drain Basin	June 1999
21	Revision of Law 48 of 1982 for the Protection of the Nile River and its Waterways from Pollution	June 1999
22	Short Duration Rice Variety Pilot Program Results	July 1999
23	Quarterly Report (April- June 1999)	August 1999