

**QUARTERLY REPORT**  
(JULY – SEPTEMBER 1998)

**TABLE OF CONTENTS**

I. SUMMARY..... 1

II. ACCOMPLISHMENTS DURING THE REPORT PERIOD..... 2

III. ACTIVITIES PLANNED FOR NEXT QUARTER..... 8

IV. PROBLEMS AND ISSUES ..... 13

V. IMPORTANT TRIPS, VISITS AND MEETINGS ..... 14

VI. STAFF LEVEL OF EFFORT..... 18

VII. STATUS OF FINANCES AND EXPENDITURES ..... 20

VII. LIST OF REPORTS ..... 21

## I. SUMMARY

During the 3<sup>rd</sup> quarter, July – September 1998, the EPIQ TA team assisted USAID, MPWWR and WPAU with the completion of the preparation of the APRP Tranche III benchmarks. The Tranche III MOU between USAID and GOE was signed on 29 September 1998. There are eight water policy related benchmarks. Two of these benchmarks (rice and sugar cane) are joint benchmarks with the Ministry of Agriculture and Land Reclamation (MALR). The Tranche III water benchmarks were approved by the MPWWR Steering Committee at a meeting held on 1 September 1998.

The water policy benchmarks for Tranche III are:

- 1 C.1: Main System Management Program Utilization
- 2 C.2: Free Flowing Groundwater Management
- 3 C.3: Branch Canal Water User Organizations
- 4 C.4: Irrigation Advisory and Support Service
- 5 C.5: Sugarcane Water Use Policies (MPWWR/MALR)
- 6 C.6: Rice Water Use Policies (MPWWR/MALR)
- 7 C.7: Intermediate Drain Water Reuse
- 8 C.8: Water Quality Regulation--Law 48

Draft work plans for the Tranche III benchmark activities and studies were prepared.

A USAID/EPIQ/WPAU planning retreat was held in Ismailia, September 9-10, 1998, to discuss and refine the various work plans for the Tranche III benchmark activities and studies. The work plans will be formally presented to USAID and the MPWWR Steering Committee in a workshop scheduled for October 1998.

Implementation activities were started on most of the Tranche III benchmark support activities. Considerable progress was made on identifying branch canals for Benchmark C.3: Establishing Branch Canal Water User Organizations; finalizing the pilot activities at Sidi Gammae Canal in support of Benchmark C.6: Rice Water Use Policies; and identifying a model district for establishing a program on Benchmark C.7: Intermediate Drain Water Reuse.

The final draft report on the “Hydrogeology of Deep Aquifers in the Western Desert and Sinai” was completed and issued for comment and review.

A Winrock team visited the project from 4 – 6 August to carry out an administrative review.

## II. ACCOMPLISHMENTS DURING THE REPORT PERIOD

### Staffing

The EPIQ resident team has a technical consulting staff of ten persons and an administrative support staff of nine people. The team was supported during the period by short term local Egyptian TA that included Eng. Essam Barakat (participatory irrigation management specialist), Dr. Safwat Abdel Dayem (senior drainage specialist), and Eng Hussein Elwan (irrigation management specialist). Ron Hubbard (Winrock contracts officer) and Sinikka DeHanas (EPIQ WPRP home office project manager) visited Cairo from 4-6 August to carry out an EPIQ WPRP administrative review. Dr. Tom Ley, Tom Burola, and Dr. Zhongping Zhu, long term expatriate resident team staff, took annual vacations during July.

### Benchmark Support

The Memorandum of Understanding (MOU) between USAID and GOE for Tranche III was signed on 27 September 1998. The Tranche III memorandum has 29 policy benchmarks to be completed by 30 June 1999. The MPWWR has sole responsibility for accomplishment of six of the benchmarks. Two of these benchmarks, rice and sugar cane, are joint benchmarks with the Ministry of Agriculture and Land Reclamation (MALR). The Tranche III water benchmarks were approved by the MPWWR Steering Committee and HE Minister MPWWR.

The water policy benchmarks for Tranche III are:

- C.1: Main System Management Program Utilization
- C.2: Free Flowing Groundwater Management
- C.3: Branch Canal Water User Organizations
- C.4: Irrigation Advisory and Support Service
- C.5: Sugarcane Water Use Policies (MPWWR/MALR)
- C.6: Rice Water Use Policies (MPWWR/MALR)
- C.7: Intermediate Drain Water Reuse
- C.8: Water Quality Regulation-Law 48

The EPIQ team will be working with several of the APRP TA teams to support the accomplishment of the water benchmarks. The MSM TA team will take a lead on C.1: Main System Management Program Utilization; the WPAU will take a lead on C.8: Water Quality Regulation-Law 48; and the EPIQ team will take a lead with support from WPAU and Greencom/WCU on the remaining six water benchmarks. RDI and PMU will work with EPIQ, WPAU and Greencom/WPAU on the rice and sugarcane benchmarks.

### **C.2: Free Flowing Groundwater Management**

Dr. Tom Ley (task manager), Eng Saleh Nour, and Dr. F. Khattab have primary responsibility for this activity for the EPIQ team.

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

- Prepared the final format of the Tranche III benchmark statement and background documentation.
- Prepared a draft work plan with assistance from WPAU for accomplishing the benchmark.
- Prepared a draft TOR for short term TA needs in Tranche III deep groundwater activities.

### **C.3: Branch Canal Water User Organizations**

Dr. Robert Cardinalli (task manager) with local TA support from Eng. Essam Barakat is responsible for this activity for the EPIQ team.

The major accomplishments during the reporting period included:

- Preparation and completion of the benchmark draft work plan.
- Preparation of draft training program in Monitoring and Evaluation for IAS field agents and engineers to carry out the benchmark.
- Conducting a field survey of potential Branch Canals in Western and Eastern Delta and Upper Egypt for implementation of the benchmark activity. The sites visited included Sharkaiya (Qemry), Dakhaliya (Bahrel-Darhem), Kafr El-Sheikh (El Shakhawy Sharky, Saidi Gamaa, and Muftaah), Bahaira (Balaqtar and Kafila), Edfu (Abbadi), and Esna (El Raity).
- A report was prepared for the WPRP Steering Committee with recommendations for the pilot Branch Canals to be taken up for implementation of the benchmark activity.

### **C.4: Irrigation Advisory and Support Service**

Dr. Robert Cardinalli (task manager) with local TA support from Eng. Essam Barakat is responsible for this activity for the EPIQ team.

The benchmark draft work plan was prepared.

### **C.5: Sugarcane Water Use Policies (MPWWR/MALR)**

Dr. John Keith (task manager) and Dr. El-Sayed Mahdy with short term TA support from Eng. Hussein Elwan, have primary responsibility for this activity for the EPIQ team. Dr. T. Ley is assisting. 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 has been 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. T. Ley (EPIQ), Dr. Jane Gleason (RDI), Dr. S. Hussein (RDI), Dr. A. Allam (MALR-SCRI), Eng. H. Elwan (MPWWR), Eng. T. Raqabawi (MPWWR), Mr. M. Nour (PMU), Dr. A. El-Berry

(MALR-AEnRI), Dr. Beheiry (MALR-AenRI), Dr. Tawakul Rizk (National Consulting Firm), Dr. Craig Anderson (USAID – observer) and Eng. M. Mabrouk (USAID).  
Activities carried out by the EPIQ team during the report period included:

- Participation in/chairing meetings on the planning and development of the Sugar Cane Pilot program.
- Assistance in finalizing verification of the Sugar Cane Benchmark for Tranche II.
- Participation in the preparation and development of the Tranche III benchmark for sugarcane.
- Participation in the process of review, selection, and identification of areas and sites related to the implementation of the sugarcane benchmark.
- Preparation of a draft work plan with assistance from the sugar cane working group for accomplishing the Tranche III benchmark.

### **C.6: Rice Water Use Policies (MPWWR/MALR)**

Dr. John Keith (task manager) and Dr. El-Sayed Mahdy with short term TA support from Eng. Hussein Elwan, have primary responsibility for this activity for the EPIQ team. Dr. T. Ley is assisting. 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 has been 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. T. Ley (EPIQ), Dr. J. Gleason (RDI), Dr. S. Hussein (RDI), Dr. A. Tantawi (MALR-RRR), Eng. H. Elwan (MPWWR), Eng. T. Raqabawi (MPWWR), Mr. M. Nour (PMU) and Dr. Craig Anderson (USAID – observer).

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

- Participation in/chairing meetings on the implementation of procedures for data collection in the rice policy testing area in the Kafr Sheikh governorate on the Sidi Gammee Canal.
- Participation in the farmer field day at the Sidi Gammee Canal pilot area.
- Assistance in finalizing the verification of the Rice Benchmark for Tranche II.
- Participation in preparation and development of the Tranche III benchmark for rice.
- Participation in the process of review, selection, and identification of areas and sites related to the implementation of the rice benchmarks.
- Preparation of a draft work plan with assistance from the rice working group for accomplishing the Tranche III benchmark.

### **C.7: Intermediate Drain Water Reuse**

Dr. Zhongping Zhu (task manager), Dr. Ibrahim Ellassiouti, Dr. Ahmed Fakhry Khattab, and Eng. Ragab Azim are responsible for this activity for the EPIQ team. Short term TA support is

being provided by Eng. Hussein Elwan, a DRI water quality measurement team, and a MPWWR water measurement team. WPAU has also provided staff to support this activity.

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

- Assistance in developing, modifying, and finalizing the Tranche III benchmark on Intermediate Drainage Reuse in Bahr Bagar drain basin.
- Preparation of the draft work plan for the benchmark.
- Initiation of intensive field investigations in Bahr Bagar drain basin.
- Establishment of working relationships with local officials in the Bahr Bagar drain basin.
- In cooperation with Salhia and Shakhia Directorates, selection of seven potential intermediate reuse locations in Abou Hammad District.
- In collaboration with Tanta General Directorate for Water Distribution, establishment of weekly drain flow and daily drain level monitoring program at seven drain locations in Abou Hammad. The monitoring data for the period from Aug 15 – Oct 15 has been received.
- In collaboration with Drainage Research Institute (DRI), setting up a program for water quality monitoring at 10 drain locations in Abou Hammad. The lab report on the water quality parameters measured on Aug 23 was received. Two additional measurements are planned.
- Conducting a Abou Hammad water balance exercise to evaluate drainage generation and reuse in that area.
- Completion of two tasks of Benchmark C7 (pilot sites selection and monitoring setup).
- Detailing approaches in promoting Abou Hammad intermediate reuse.
- Installing ArcView GIS software, digitizing maps of Bahr Bagar drain basin and Abou Hammad District, and starting the GIS work on the areas.

### **C.8: Water Quality Regulation--Law 48**

The lead for this activity is with WPAU. Dr. Ibrahim Ellassiouti (EPIQ coordinator) and Dr. Zhongping Zhu are 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 benchmark.
- Assisting in preparing the draft work plan.

### **Studies**

The terms of reference for the EPIQ task order is structured around a results package jointly designed by USAID and MPWWR which consists of integrated water policy and institutional reforms. To support this results package the EPIQ team will carry out a number of studies. The primary focus of the studies will be to develop future policy benchmarks. The studies currently being proposed for the Tranche III work period include:

- Management of Deep Groundwater
- Conjunctive Use of Shallow Groundwater
- Operations of Nile Water Delivery (Water Supply and Demand)
- Strengthening District Water Management Capability
- Agriculture Water Demand
- Water User Organizations in New Lands
- M&I Wastewater Treatment Economic Study

Draft work plans have been prepared for each of the proposed studies and are under review.

### **TA Support**

USAID and MPWWR have agreed to a third category of support under the EPIQ Task Order. This involves the use of 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. These include short term TA to support :

- Development of the MPWWR Main Information Center
- Preparation of MPWWR GIS Standards
- Establishment of an Irrigation Technology Center

TA support for these activities is under review by USAID.

### **Other Activities**

Assisted USAID and Cairo TV film team on preparing footage of EPIQ activities in Balaqtar Canal, Delta Barrage, and Ismailiya headworks.

Jim McMeekin (RDI), expatriate computer specialist, carried out a review of the EPIQ, WPAU and Greencom/WCU computer facilities and installed a test copy of the Lotus Notes application called TAMIS on one of the EPIQ computers to allow the EPIQ team access to the APRP MALR project database.

### **Workshops**

EPIQ sponsored a two day retreat in Ismailiya on September 9-10, 1998. The purpose of the retreat was to discuss draft workplans for the Tranche III benchmarks and studies to be carried out by EPIQ. Participants included the EPIQ team, Eng. Gamil Mahmoud and WPAU staff, Eng. M. Mabrouk (USAID), and Dr. W. Fahim (USAID). Steve Joyce (RDI) was the facilitator.

### **APRP/EPIQ Co-ordination**

Close co-ordination between the EPIQ team and other units of APRP, USAID and MPWWR continued.

The EPIQ team worked directly with USAID, MPWWR, WPAU and other APRP units to finalize the Tranche III benchmark documents. The water policy Tranche III benchmarks were presented to and approved by the MPWWR Steering Committee in a meeting held on 1 September. The USAID Ag Policy Team, all the members of the MPWWR Steering Committee, representatives from EPIQ, and representatives from WPAU attended.

WPAU, Greencom/WCU, and USAID staff routinely accompanied EPIQ TA staff on field trips.

Members of the EPIQ WPRP team participated in the weekly APRP co-ordination meetings and the monthly PPC meetings.

Regular (weekly) water group co-ordination meetings were held at MPWWR. Participation included members from WPAU, EPIQ WPRP, MSM, and Greencom/WCU. These meetings focused on development of Tranche III benchmarks.

Regular Sugarcane and Rice Work Group meetings were held at APRP and MPWWR.

EPIQ team members participated in the USAID rountable discussion on Strategic Piorities for Agriculture and Water held held at the Nile Hilton Hotel on 17 August 1998. The purpose of the roundtable discussion was to explore with USAID the strategic priorities in the agriculture and water sectors for the years 2000–2004. Over 40 people including private sector CEOs and high-level public sector policy-makers attended. Dr. Saad Nasser (APRP project director), Dr. Richard Brown (USAID Mission Director), and Dr. Paul Deuster (associate Mission Director for Economic Growth) as well as the USAID Ag Policy team, the MPWWR Steering Commitee, WPAU staff, the EPIQ WPRP team and other consultant and support groups working under the APRP umbrella attended the workshop.

## **Reports**

The final draft of the report on “Hydrogeology of Deep Aquifers in the Western Desert and Sinai” was completed. The report was distributed in mid-September 1998 to the concerned MPWWR and USAID authorities for review.

## **Administrative Issues**

The EPIQ LAN network was installed.

Two additional vehicles were purchased. One was turned over to WPAU.

### **III. ACTIVITIES PLANNED FOR NEXT QUARTER**

#### **Staffing**

Short term expatriate and local TA to support Tranche III benchmark activities and studies to be identified, approved and mobilized.

Visits are planned by Doug Clark (EPIQ Project Coordinator) and Dr. Mike Rock (Winrock technical coordinator).

#### **Benchmark Support**

##### **C.2: Free Flowing Groundwater Management**

The following activities are planned for the next quarter:

- Begin implementation of the work plan for Benchmark C.2 on free-flowing groundwater management.
- Conduct a field trips to the Western Desert by the deep groundwater work group to:
  - visit the headquarters of the New Valley Irrigation Directorate (NVID) in Kharga
  - collect available information on the free-flowing groundwater situation in El Farafra Oasis.
  - perform site assessment work in El Farafra Oasis
  - conduct a focus group workshop in El Farafra to discuss issues and problems in the area.
- Finalize the terms of reference for the expatriate groundwater management specialist and evaluate potential consultants.

##### **C.3: Branch Canal Water User Organizations**

The following activities are planned for the next quarter:

- Prepare a SOW and work plan to assist MPWWR in carrying out the next steps in the implementation of the cost sharing activity outlined and approved in Tranche I.
- Identify TA to assist with this activity.
- Assist MPWWR with initiation of field programs on four branch canals (BCWUAs) for implementation of higher-level water user involvement.
- Assist MPWWR in developing MPWWR Action Team on apex water user organizations, and in planing study tour for Jan/Feb 1999.
- Develop and carry out Process Documentation training for IAS staff and district engineers working on the BCWUAs.
- Initiate study on practical implementation of establishing district WUA centers, and the required institutional management and support mechanisms.
- Develop and initiate integrated training package for IAS staff, district engineers and water users on techniques of participatory rural appraisal (PRA), field analysis, and progress/impact reporting.

#### **C.4: Irrigation Advisory and Support Service**

During the next quarter EPIQ will assist MPWWR with implementation of the Tranche III benchmark to fully institutionalize the Irrigation Advisory Service.

#### **C.5: Sugarcane Water Use Policies (MPWWR/MALR)**

The following activities are planned for the next quarter:

- Obtain funding guarantees for, develop procedures for, and begin implementation of workplan for irrigation improvement on the sugar cane pilot areas
- Identify, develop procedures for, and implement sugar cane testing areas to examine the effects of improved irrigation techniques and water management on water use and economic results in the production of sugar cane.
- Assist in finalizing Tranche III benchmarks supporting policy adjustment in sugar cane.
- Prepare work plans and identify TA requirements to support Tranche III benchmarks on sugarcane.

#### **C.6: Rice Water Use Policies (MPWWR/MALR)**

The following activities are planned for the next quarter:

- Finish the data collection on the rice policy testing area (to be completed Oct. 30, 1998), including both the hydrologic and economic data.
- Assist in finalizing Tranche III benchmarks supporting policy adjustment in rice.
- Prepare SOW and identify TA requirements to support Tranche III benchmarks on rice.

#### **C.7: Intermediate Drain Water Reuse**

The following activities are planned for the next quarter:

- Develop a conceptual framework and work plans for a intermediate drain water reuse program.
- Begin field preparations in the Bahr Bagar drain basin for the pilot intermediate drainage reuse project, including project layout, data acquisition, calculation approach, monitoring needs, and field staff arrangements.
- Identify and prepare terms of reference and SOW for short term TA and monitoring and evaluation requirements to support the drainage reuse activity.
- Economic analysis and evaluation of intermediate drain water reuse pilot activities.

#### **C.8: Water Quality Regulation--Law 48**

The following activities are planned for the next quarter:

- Prepare SOW and recruit short term TA to support this activity.
- Assist WPAU as required.

#### **Studies**

## **Management of Deep Groundwater Study**

The EPIQ deep groundwater work group will:

- Finalize the report on the hydrogeology of the deep groundwater aquifers in the Western Desert and Sinai.
- Collect information to support the deep groundwater management study.
- Revise and focus the work plan for this study on those activities and tasks which can be accomplished in a reasonable time frame and to support the development of a possible Tranche IV Benchmark.
- Finalize the terms of reference and evaluate potential consultants for an expatriate groundwater management specialist and a water resource economist to help develop a policy framework for the optimal utilization of the deep groundwater in the Western Desert and Sinai.

## **Conjunctive Use of Shallow GW Study**

The EPIQ team will:

- Finalize a work plan and terms of reference to carry out a study on shallow groundwater potential and utilization strategies.
- Identify TA requirements to support the study.

## **Operations of Nile Water Delivery (Water Supply and Demand) Study**

The EPIQ team will:

- Finalize a conceptual framework and work plans for a study on national water allocation for agricultural development. Preparation will include new water allocation scenario development, data acquisition, spread-sheet model development, field trips, necessary outreach, and routine collaborative relationship with Irrigation Sector and other related parties.
- Identify TA to assist with the study.

## **Strengthening District Water Management Capability Study**

The EPIQ team will:

- Finalize a conceptual framework and work plans for a study on Strengthening District Water Management Capability.
- Identify TA to assist with the study.

## **Agriculture Water Demand**

The EPIQ team will:

- Finalize a detailed workplan for the agriculture water demand study that includes the use of the Ag Sector model.

- Begin to develop agricultural water demand (value of marginal product) curves and agricultural water pricing criteria using this model as a base.
- Identify short term TA to assist with the model study.

### **Water User Organizations in New Lands**

The EPIQ team will:

- Finalize a proposal for a study on options for participatory irrigation management in new areas (i.e. Toshka, El Salaam and North Sinai).
- Identify short term TA to assist with the study.

### **M&I Wastewater Treatment Economic Study**

The EPIQ team will:

- Develop and implement a program for the examination of the benefits and costs of municipal and industrial waste water treatment and the costs and benefits of pollution due to agricultural return flows and alternatives for control.
- Prepare a SOW and identify short term TA to support the study.

### **TA Support**

The EPIQ team will prepare SOW to support the following TA supported activities:

- Improvement of the MPWWR Main Information Center
- Preparation of MPWWR GIS Standards
- Establishment of an Irrigation Technology Center

### **Other Activities**

Complete a “white paper” on private sector participation in irrigation management in Egypt.

Participate in APRP coordination meetings and workshops.

Conduct a workshop to present Tranche III benchmark workplans to USAID and MPWWR.

Provide support funds and participate in the MPWWR-sponsored Participatory Irrigation Management workshop scheduled for November 1998.

### **Reports**

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

- Tranche III Benchmark work plan.
- Tranche III study work plan
- Hydrogeology of the Deep Groundwater Aquifers in the Western Desert and Sinai.

## **Administration**

The following activities are planned for the next quarter:

- Correct deficiencies identified in the Winrock Administrative review.
- Hire a replacement for the local assistant administrator.

#### **IV. PROBLEMS AND ISSUES**

An internal administrative review was carried out at the EPIQ WPRP project office by Winrock home office staff. A plan of action was prepared for correcting deficiencies.

A mechanism for hiring MPWWR staff to carry out measurement activities continued to be a problem. Fortunately the field measurement teams agreed to continue their work on the rice pilot in Sidi Gammee Canal pilot area and on the drainage monitoring in Abou Hammad District. Hopefully this issue will be settled during the planned visit of Doug Clark, EPIQ Project Coordinator, in October 1998.

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

Dr. Tom Ley has given notice that he may be leaving the project before completion of the contract in September 1999 for personal reasons. EPIQ has initiated a search for possible replacement candidates.

## V. IMPORTANT TRIPS, VISITS AND MEETINGS

DATE	LOCATION	PURPOSE	PERSONS MET
Jul 7	Desouk K. El Shiekh	Visit rice policy test areas	Dr. J. Keith (EPIQ), Dr. Mahdy (EPIQ), Dr. T. Ley (EPIQ), Eng. Elwan (MPWWR) Eng. Adel (MPWWR)
Jul 8	Delta Barrage	Coordination Meeting	Dr. Semaika, WRI staff Dr. Fatma Attia, GWRI Dr. J. Fredericks (EPIQ) Dr. I. Ellassiouty (EPIQ)
July 15-16	Zagazig	Visited the Zagazig Irrigation Office and El Salam Canal	Dr. A. F. Khattab Dr. Ibrahim Ellassiouty Eng. Ragab Abdel Azim
July 16	Delta Barrage	Filming by USAID and Cairo TV on WUAs in IIP	
July 19	SCRI	Meet with Dr. Allam to prepare and discuss activities related to T3 sugarcane benchmark.	Dr. Jane (RDI) Dr. J. Keith (EPIQ) Dr. S. Hussein (RDI) Mr. Nour (PMU)
July 20	Desouk K. El Shiekh	Visit rice policy test areas	Dr. S. Hussein (RDI) Mr. Nour (PMU) Eng. Elwan (MPWWR)
July 28	FCRI	Meet with Dr. Tantawy to discuss data collection on Sedi-Gamee and Sanhour El-Gididah canal	Dr. Tantawy (FCRI) Dr. Keith (EPIQ) Dr. Jane (RDI) Mr. Nour (PMU)
July 30	Damanhour & Balaqtar	Second session of Filming	WUAs on Balaqtar Canal
July 30	Cairo	Meeting with UNDP Briefing on UNDP Training in PRA	Moira Stirling, UNDP Res. Rep. A.i.
Aug 1	SCRI	Meet with Dr. Allam to discuss budget and activities related to T3 sugarcane BM workplan	Mr. Nour (PMU) Dr. Allam (SCRI) Dr. S. Hussein (RDI) Eng. Radwan (SC) Dr. Douh (SCRI) Dr. Kieth (EPIQ)
Aug 3	APRP Conference Room	PPC Meeting	PPC Dr. P. Deuster (USAID) USAID Ag Policy Team APRP COPs
Aug 5	USAID Cairo	SO1 Quarterly Meeting	Dr. R. Brown (USAID)

<b>DATE</b>	<b>LOCATION</b>	<b>PURPOSE</b>	<b>PERSONS MET</b>
	Center		Dr. P. Deuster (USAID) Dr. C. Anderson (USAID) SO1 COPs
Aug 5-6	Delta Barrage	Discuss a proposal for comprehensive evaluation of IIP	Dr. Quosy (WMI) Dr. J. Keith (EPIQ) Dr. L. Nasr (WMI)
Aug 8,9	Sharkiya and Dakhlaiya	Survey of Branch Canals	IIP and IAS Staff
Aug 10	Mr. Nour's Office	Discuss T3 Sugarcane and rice benchmarks	Mr. Nour (PMU) Dr. Jane (RDI) Dr. S. Hussein (RDI) Dr. J. Fredericks (EPIQ) Dr. Keith (EPIQ)
Aug 10-11	Abou Hammad	Setting up drain flow measurements in Abou Hammad	Eng. Ragab Abdel Azim
Aug 11- 12	Abou Hammad	Led DRI monitoring team in Abou Hammad	Dr. Z. Zhu Dr. A. F. Khattab Eng. Ragab Abdel Azim
Aug 13-14	Toshka	Visit to South Valley Development Project	Dr. C. Anderson (USAID) Dr. J. Fredericks (EPIQ) Eng. Abd El-Aty (MPWWR) and staff
Aug 16	APRP Conference Room.	Discussion of T3 Benchmarks with USAID staff.	Mr. Nour (PMU) USAID Ag Policy Team APRP TA teams Dr. Fredericks (EPIQ) Dr. Keith (EPIQ)
Aug 17	Nile Hilton	USAID Strategic Priorities for Agriculture and Water Roundtable Discussion	Dr. Saad Nasser (MALR) Dr. R. Brown (USAID) Dr. P. Deuster (USAID) USAID Ag Policy Team MPWWR Steering Com. MALR officials APRP TA teams
Aug 16,19	Zagazig	Discussed intermediate reuse at the Zagazig Irrigation Office and IIP Office	Dr. J. Fredericks Eng. Ragab Abdel Azim Dr. A. F. Khattab Dr. Ibrahim Ellassiouty
Aug 18	Cairo	Review PRA technique & proposed IIP training	Zohra Mehrabit, North South Con. Exch.
Aug 19-21	EPIQ	Installation of TAMIS	J. McMeekin (RDI)
Aug 23-24	Zagazig	Finalized selection of potential pump stations in Abou Hammad	Dr. Ibrahim Ellassiouty Eng. Ragab Abdel Azim

DATE	LOCATION	PURPOSE	PERSONS MET
			Dr. A. F. Khattab Dr. Z. Zhu
Aug 23-24	Damanhour/ Balaqtar	Survey of Branch Canals	Eng E. Barakat (MPWWR) and IIP and IAS staff; Dr. R. Cardinalli (EPIQ) Dr. J. Fredericks (EPIQ)
Aug 24	Desouk, K. El Shiekh	Inspection of water levels records and visiting test area.	Dr. Ley (EPIQ) Dr. Jane (RDI) Dr. Keith (EPIQ) Dr. Mahdy (EPIQ) Eng. Adel (District Eng.)
Aug 24, 27		Met with El Salam Authority officials	Dr. Ibrahim Elassiouty Dr. A. F. Khattab Dr. Z. Zhu
Aug 27	Desouk, K. El Shiekh	Visiting rice policy test area	Dr. Ley (EPIQ) Dr. Keith (EPIQ) Dr. Mahdy (EPIQ) Eng. Adel (District Eng.)
Sep 1	MPWWR	MPWWR Steering Committee Mtg	MPWWR Steering Committee USAID Ag Policy Team WPAU representatives Dr. J. Fredericks (EPIQ) Dr. F. Khattab (EPIQ)
Sep 1	SCRI	Meet with Dr. Allam to discuss the activities for T3 sugarcane benchmark.	Dr. Allam (SCRI) Dr. Ibrahim (SCRI) Dr. Saleh (SCRI) Dr. Ley (EPIQ) Dr. Keith (EPIQ)
Sep 3	APRP Conference Room	PPC Meeting	PPC USAID Ag Policy Team APRP COPs
Sep 7	MPWWR	Discussion on Horizontal Expansion Sector	Dr. D. El-Quosy (MPWWR) Dr. T. Ley (EPIQ) Dr. J. Fredericks (EPIQ)
Sep 8	Bahr El Bagar Drainage Basin	Investigation drainage system in the Bahr Bagar drain system, selecting potential reuse locations in Abou Hammad	Dr. Z. Zhu Dr. J. Fredericks Eng. Ragab Abdel Azim Dr. A. F. Khattab Dr. Ibrahim Elassiouty
Sep 8	Sharkiya and Qemri	Sharkiya and Qemri Canals	

DATE	LOCATION	PURPOSE	PERSONS MET
Sep 9-10	Ismailia	WPRP Tranche III planning retreat	WPRP Staff WPAU Staff Dr. Wadie (USAID) Eng. Mabrouk (USAID)
Sep 16	FCRI	Rice working group meeting to discuss farmers field day in Disuq	RWG members
Sep 21-23	Qanater	Visited DRI staff for monitoring work	Eng. Ragab Abdel Azim Dr. Z. Zhu
Sep 22	Desouk, K. El-Shiehk	Attendance of farmers field day (rice BM)	Dr. Tantawy (FCRI) Dr. Rizk (RTRC) Dr. Naiem (MALR) Dr. Rogers (USAID) Mr. Nour (PMU) Eng. Elwan (MPWWR) WCU Staff Green com Staff 35-5 farmers Ag. & Irrigation Staff
Sep 23	Tanta and Kafr El Shiekh	Survey of Branch Canals	IIP and IAS Staff
Sep 24	Luxor, Esna and Edfou	Survey of Branch Canals	IIP and IAS Staff
Sep 24	Delta Barrage	Ground Water Coordination Mtg	Dr. Fatma Attia, GWRI Eng Sarwat (WPAU) Dr. J. Fredericks (EPIQ) Dr. F. Khattab (EPIQ) Eng S. Nour (EPIQ)
Sep 24	APRP Conference room.	SCWG meeting to discuss and revise T3 budget and Luxor field site visit	SCWG members
Sep 27-28	Luxor	Visit and review location for the pilot areas for sugarcane T3 benchmark in Qena governorate.	SCWG members Governor of Qena SCF's chair persons Ag. & Irrigation Staff
Sep 26-29	Abou Hammad	Checked monitoring progress at the Abou Hammad office	Eng. Ragab Abdel Azim
Sep 30	APRP	SCWG meeting to discuss the financial needs for the pilot areas, select sites and discuss selection criteria, farmers education program, and potential site in Aswan.	SCWG members

## VI. STAFF LEVEL OF EFFORT

Name	Position	Arrival	Departure	Reporting Period (pm)	Cumulative (pm)
<b>Expatriate Long Term TA</b>					
Dr. Jeff Fredericks	Chief of Party	25 Jan 98	30 Sep 99	3	8.1
Thomas Burola	Administrative Officer	12 Jun 97	30 Sep 99	3	15.60
Dr. Thomas Ley	Senior Irrigation Engineer Acting Team Leader	20 Jun 97	30 Sep 99	3	15.33
Dr. Zhongping Zhu	Senior Water Resources Engineer	13 Jun 97	30 Sep 99	3	15.60
Dr. John Keith	Senior Water Economist	1 Feb 98	30 Sep 99	3	8
Dr. Robert Cardinalli	Senior Sociologist	20 Mar 98	30 Sep 99	3	6.9
<b>Egyptian Long Term TA</b>					
Dr. Ahmed Fakhry Khattab	Co-Team Leader	1 Aug 97	31 Jul 99	3	14
Dr. Ibrahim Ellassiouti	Senior Water Resources Mgmt. Specialist	1 Aug 97	31 Jul 99	3	14
Eng. Saleh Nour	Senior Hydrogeologist	1 Sep 97	31 Aug 99	3	13
Dr. El-Sayed Mahdy	Economist	1 Mar 98	28 Feb 99	3	7
Eng. Ragab Abdel Azim	Drainage Engineer	1 Feb 98	31 Jan 99	3	8
<b>Expatriate Short Term TA</b>					
Eng. Essam Barakat	Senior Irrigation Participation Specialist	1 Jul 98	30 Sep 98		2.33
Eng. Hussein Elwan	Irrigation Management Specialist	1 Jul 98	30 Sep 98		
Dr. Safwat Abdel Dayem	Senior Drainage Specialist	1 Jul 98	31 Jul 98		1.0
<b>Egyptian Admin Staff</b>					
Karim Abdel Razik	Administrator	15 Sep 97	23 Sep 98	3	12.5
Foaz El Mona Fouad	Executive secretary	15 Sep 97	14 Sep 98	3	12.5
Jacqueline Rizk	Accountant	3 Aug 97	2 Aug 99	3	14

<b>Name</b>	<b>Position</b>	<b>Arrival</b>	<b>Departure</b>	<b>Reporting Period (pm)</b>	<b>Cumulative (pm)</b>
Amira Serry	Secretary	14 Dec 97	13 Dec 98	3	9.5
Mona Zakhary	Secretary	2 Jun 98	1 Jun 99	3	3
Kalid Mokhtar	Messenger	1 Oct 97	30 Sep 99	3	12
Akmed Mahmoud	Messenger	20 Nov 97	19 Nov 98	3	10.2
Saeed Maebed	Driver	12 Feb 98	11 Feb 99	3	7.8
Adel Moustafa	Driver	17 Feb 98	16 Feb 99	3	7.5
Ahmed Saeed	Driver	10 Aug 98	9 Aug 99	1.66	1.66

## VII. STATUS OF FINANCES AND EXPENDITURES

Financial summary for 3<sup>rd</sup> quarter (1 July – 30 September 1998)

<b>Category</b>	<b>Budget Amount (US\$)</b>	<b>Total through Last Period (US\$)</b>	<b>Expenditures This Period (US\$)</b>	<b>Cumulative Amount (US\$)</b>	<b>Remaining Amount (US\$)</b>	<b>Percent Expended (%)</b>
<b>Direct Labor</b>	2,509,512	441,092	209,978	651,070	1,858,442	26
<b>Labor Multiplier</b>	2,760,463	478,635	229,219	707,854	2,052,609	26
<b>Subtotal Labor Costs</b>	5,269,975	919,727	439,197	1,358,924	3,911,051	26
<b>Materials and Other Direct Costs</b>	2,729,079	623,088	161,559	784,647	1,944,432	29
<b>Total</b>	7,999,054	1,542,815	600,756	2,143,571	5,855,483	27

## VII. 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 (Final Draft)	August 1998
11	Quarterly Report (April-June 1998)	August 1998