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

QUARTERLY REPORT
(JULY-SEPTEMBER 2000)

Report No. 32

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(JULY - SEPTEMBER 2000)

TABLE OF CONTENTS

I. SUMMARY.....	1
II. ACCOMPLISHMENTS DURING THE REPORT PERIOD	3
III. ACTIVITIES PLANNED FOR NEXT QUARTER.....	9
IV. PROBLEMS AND ISSUES	12
V. IMPORTANT TRIPS, VISITS AND MEETINGS	13
VI. STAFF LEVEL OF EFFORT.....	18
VII. STATUS OF FINANCES AND EXPENDITURES.....	20
VIII. LIST OF REPORTS.....	21

I. SUMMARY

The EPIQ Water Policy Reform Program (Contract PCE-I-00-96-00002-00, Task Order 807) is responsible for advising and providing technical assistance to the Ministry of Water Resources and Irrigation (MWRI) of the Government of Egypt (GOE) with respect to improved policy assessment and planning, improved irrigation system management, and improved private sector participation. EPIQ is part of the USAID Agricultural Policy Reform Program (APRP). EPIQ team members are currently implementing work plan activities related to the Tranche IV Benchmarks and preparing benchmarks for Tranche V.

The Memorandum of Understanding (MOU) for Tranche IV was signed on 20 September 1999. The Tranche IV water policy benchmark implementation work plan was reviewed and approved by the Steering Committee at a meeting held on 1 December 1999. The MOU includes five water policy benchmarks. 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 MWRI 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 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).

Specific Accomplishments:

C.1. Matching Irrigation Supply and Demand: Joint MALR/MWRI computer database training was given to agricultural and irrigation personnel of pilot districts and governorates. Regular periodic meetings at the EPIQ office with pilot irrigation district and directorate personnel were started. Each pilot district was provided with a computer system, software, Internet access, and email accounts. A proposal for expansion of MISD activities was developed.

C.2. Urban Wastewater and Drainage Reuse: The inter-ministerial wastewater task group formed under this benchmark finalized six reports prepared by representatives from the five cooperating ministries. A summary policy document is being prepared. A study tour on wastewater irrigation to California was completed.

C.3. Water Management at the Directorate Level: WPAU is taking the lead on this benchmark. Pilot implementation programs continue in Qena Directorate in Upper Egypt, and Sharkyia Directorate in Lower Egypt. The on-going program includes calibration of water level/flow discharge relationships at 43 sites (19 in Sharkyia and 24 in Qena).

C.4. Irrigation Management Transfer: The IMT benchmark working group continued to take an active role in all activities and decisions. A draft IMT policy document was prepared. A ministerial decree was issued authorizing four pilot IMT sites and the formation of BCWUAs at each location. The Irrigation Advisory Service began the process of forming BCWUAs at the four pilot IMT locations. Final preparations were made for the IMT Study Tour to Mexico and California. A physical system assessment was completed at the four IMT pilot areas. A socio-economic baseline survey was initiated in the four pilot areas. Multiple stakeholder focus group meetings were held in the selected pilot program areas.

C.5. Revision of Law 12: WPAU is taking the lead on this benchmark. The revised edition of the Law was circulated within MWRI and submitted to H.E. MWRI for approval. At the request of the Minister, the MWRI Policies Committee reviewed and approved the changes to the Law. An explanatory note on the changes made in the law was prepared. Stakeholders concerned with law 12 were identified.

Other Activities/Important Events

Doug Clark, EPIQ Project Coordinator, visited the project during August 2000.

Preparation of potential water policy benchmarks for Tranche V continued.

EPIQ team gave a presentation to Dr. Hales (Director, USAID/Washington Environmental Center) on the project's activities.

II. ACCOMPLISHMENTS DURING THE REPORT PERIOD

During the 3rd quarter, July to September 2000, the EPIQ TA team worked with USAID, Ministry for Water Resources and Irrigation (MWRI), Ministry of Agriculture and Land Reclamation (MALR), Water Policy Advisory Unit (WPAU) and the other Agriculture Policy Reform Program (APRP) TA units on the implementation of the Tranche IV water policy benchmark activities and preparation of benchmarks for Tranche V. The other TA units include the Program Management Unit (PMU), Monitoring, Verification and Evaluation Unit (MVE), and the Reform Design and Implementation Unit (RDI).

Benchmark Support

C.1. Matching Irrigation Supply and Demand (MWRI/MALR)

Dr. Larry King, Senior Irrigation Engineer, has primary responsible for this activity as task manager for the EPIQ/WPRP team with support from EPIQ team members Dr. Ragab Abdel Azim, Irrigation Engineer, and Dr. El-Sayed Mahdy, Water Resource Economist, and part-time TA support from Eng. Hussein Elwan, Head of Central Directorate for Water Distribution, MWRI, and Eng Sanaa Abdel Rashid (CDWD/MWRI). Eng. Tarek Nada, Eng. Mohamed Hamed, and Eng. Mohamed Elmargoshi of WPAU provide further technical assistance on a part-time basis. The core MISD Working Group is composed of Dr. Larry King, Dr. Jane Gleason (RDI), Dr. Ragab Abdel Azim, Eng. Hussein Elwan, and Eng. Mohamed Elshahed (Head, Agro-Economic Affairs Sector, MALR). The expanded joint group is the core group plus representatives from MWRI, MALR, EPIQ, RDI and PMU, WPAU, as well as the Under Secretaries, General Directors, Inspectors, and District Engineers for the five selected pilot districts from the four governorates: Sharkaya, Beheira, Beni Seuf and Qena/Luxor.

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

- A joint MALR/MWRI computer and database training program for each pilot district was conducted in Cairo at the MALR Information Center in the period from July 8 through August 4. The training was conducted by the Center staff and attended by both agricultural personnel and irrigation district engineers. It used the Microsoft Access database originally developed by Dr. Jim McMeekin with modification and translation into Arabic by the Center staff. Instruction included entry of agricultural data and preparation of the report for delivery to the irrigation district. This report gives the area of each major crop within the command area of each branch canal of the irrigation district.
- Beginning August 8, periodic meetings were held in the EPIQ office for MWRI pilot district and directorate level people to report on and discuss the MISD activities on water monitoring, water demands, data transfer and analysis, computer training, etc. Staff from Beheira, Beni Suef, and Sharkia attend these meetings twice each month, but because of travel distance, those from Qena/Luxor come only once each month.
- The EPIQ/WPRP team upgraded MWRI desktop computers and provided software, printers, modems, internet access, and email accounts in each of the five pilot irrigation districts and establish a program of regular electronic data transfer to Cairo offices. Limited computer training of district personnel was also provided by the team.

- At a meeting August 29 at the Pyramisa Hotel in Dokki, the MISD expanded joint group agreed that the MISD program has been successful and encouraged expansion of MISD activities to include the whole of each of the four governorates containing the five pilot districts.
- At a meeting on September 4, the MISD Working Group decided that expansion of the MISD program should be to the whole of each directorate containing a pilot district in order to take full advantage of the pilot district staff's experience in MISD activities in training staff of other districts in the directorate.
- The EPIQ/WPRP team prepared a proposal to allow the team to provide technical assistance to the MWRI for expansion of the MISD program to the four irrigation directorates, Beheira, Beni Suef, Qena, and West Sharkia, which contain the five pilot districts. This proposal was necessary because the EPIQ/WPRP team works on this BM according to an approved work plan that does not expressly include expansion of activities beyond the pilot districts selected early in Phase I of the BM. This proposal is currently in review at the MWRI.
- The district engineer of Abou Kebir Irrigation District attended a local computer database training session held in the Sharkia Governorate by the MALR Information Center staff.

C.2: Water Quality and Drainage Reuse

The EPIQ wastewater task group members, Dr. Zhongping Zhu (task manager), Dr. Ibrahim Ellassiouty, and Dr. Ahmed Fakhry Khattab; with the participation of WPAU engineers, Tarek Nada and Mouhamed Hamed; assisted by EPIQ economists, Mr. Adrian Hutchens and Dr. Elasyed Mahdy; and supported by local specialists, Eng. Hussein El Atfy (MWRI), Dr. Hesham Kandil (MWRI), Eng. Yehia Abdel Aziz (MWRI consultant), Dr. Siham Hendy (MOHP), Dr. Mamdouh Riad (MALR), Eng. Magda Gaballa (NOPWASD), Eng. Mohsen Mamdouh (NOPWASD), and Dr. Ahmed Gamal Eldin (MEA), are responsible for this activity.

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

- Reviewed, edited, and compiled the six urban wastewater policy reports submitted by representatives of the five cooperating Ministries in this benchmark. These reports will be published as the appendices to the benchmark's summary policy document.
- Outlined, and drafted part of, the summary policy document.
- Organized, in cooperation with WPAU and IIE/DT2/Cairo, a two-week US study tour on wastewater irrigation in California. Eight officials from MWRI, MOHP, EEAA, and WPAU, and one EPIQ expatriate consultant were in the tour. The tour was successful and productive, and a trip report was produced and submitted to USAID/Cairo.
- Organized a field trip with the Afforestation Department of MALR for the feasibility of a wastewater street-tree irrigation pilot program in the Mansoura city.

C.3: Water Management at the Directorate Level

The lead for this activity is with WPAU and MSM. EPIQ is providing STTA support for this activity through the EPIQ task order.

The major accomplishments during the reporting period included:

- Conducting 64 flow measurements at Sharqia.
- Conducting 80 flow measurements at Qena.
- Reviewing results of the flow measurement program.
- Conducting training for Sharqia Directorate staff on flow measurement techniques.

C.4: Irrigation Management Transfer

- Dr. Robert Cardinalli (task manager) with support from Eng. Mohamed Nasser Ezzat (WPAU) is responsible for this activity. Two additional WPAU engineers joined the IMT group (Eng. Amira Abdel Hady and Eng. Moemen El Sharkawy). Short term local TA was provided by Eng. Abdel Rahman Shalaby (Senior Institutional Policy Specialist) and Eng. Essam Barakat (Senior Participatory Irrigation Management Specialist). The benchmark working group is comprised of the EPIQ Senior Sociologist (task manager), and representation from the WPAU (Eng. Nasser Ezzat, Eng. Amira el Hady, Eng. Moamen el Sharkawy), MED (Eng. Ali Khalil Mohammed), IAS (Eng. Essam Barakat), EPADP (Dr. Mahmoud Moustafa), and Horizontal Expansion sector (Dr. Tarek Abdallah Ahmed).

The major accomplishments during the reporting period included:

- A physical assessment was conceived and developed to determine what improvements would be required prior to handing over O&M responsibilities to the private sector/user entities. It was agreed to utilize the expertise and experience within the MWRI to conduct the assessment. The EPIQ Institutional Policy Specialist and Senior Irrigation Engineer have overall technical responsibility for the information gathering, field investigations, analysis and reporting on recommendations to the Steering Committee. The major work was carried out at the South Tahrir (Beheira) site, where major infrastructure changes were anticipated. The sites at Bahr el Sagheer will require attention, and lastly the New Shebab and Beni Abed systems will require the least attention since they are systems recently constructed, and improved, respectively.
- The benchmark-working group continued its formal meeting schedule.
- Multiple stakeholder focus group workshops were held involving farmers and ministry officials from the four pilot areas, at El Shebab (Sharkaiya), South Tahrir (Beheira), Beni Abed (El Minya)
- A socio-economic baseline survey was initiated. During this period, questionnaire data for all sites was collected focusing on water management practices in the pilot areas, land holding patterns, income and expenditure data, other householder resource information, cultivation and livestock baseline data, and basic background information (education, employment, population, etc.) The results of the study will be used to assist in the implementation of the IMT benchmark, as well as provide baseline data for post-implementation impact assessment.
- A study tour to Mexico and California was developed, to take place Oct/Nov 2000. Objectives of the study tour are to study and review the results and experiences of IMT programs in both places, and to formulate a draft phased implementation plan for Egypt. Participants include members of the IMT Working Group, district engineers

and other relevant MWRI officials from the four IMT pilot areas and a representative from the minister's office.

- A ministerial decree was issued in August 2000, formally designating the selected pilot sites for the IMT benchmark program. The decree authorizes the respective governorate under secretaries to issue decrees registering the BCWUAs at each pilot branch canal.
- The Irrigation Advisory Service (IAS) under the Irrigation Department has been engaged to start forming Branch Canal Water User Associations at the four pilot IMT sites. A field program was developed in consultation with the stakeholders, and work will continue through December 2000, after which time the under secretary in each governorate will issue a decree formalizing the status of the BCWUA.

C.5: Revision of Law 12

The lead for this activity is with WPAU (Eng. Sarwat Fahmy and Eng. Nasser Ezzat). Dr. Ibrahim Ellassiouty (EPIQ coordinator) is assisting. EPIQ has provided short-term TA for this activity through the EPIQ task order (Eng. Ahmed Maher-local irrigation engineer, Eng. Yehia Abdel Aziz-local drainage engineer, and Dr. Mohamed Badran-local legal advisor). Three WPAU engineers are supporting the Law 12 group (Ghada Khalil, Amira Abdel Hady, and Moemen El Sharkawy).

The major accomplishments during the reporting period included:

- WPAU/EPIQ reviewed the law taking in consideration the comments of the working group meeting held in Port Said on June 28-29, 2000.
- The revised edition of the law was distributed among the MWRI key officials for final comments.
- An explanatory note was prepared explaining the changes made in the law.
- The proposed amended law along with the explanatory note were submitted to H.E. MWRI for approval.
- H.E. MWRI referred the amended law to the MWRI Policies Committee to study the changes proposed and comment.
- The MWRI Policies Committee meeting comprising the heads of the ministry's sectors was held Tuesday September 26, 2000 to approve the revised law. The committee approved the changes in general but suggested few additional alterations.
- Stakeholders concerned with law 12 were identified. They include: MALR, MHUUS, MHP, MIMW, MEA, MOI, MLD, MOT, Farmers representatives.

Studies/Implementation Activities

The terms of reference for the EPIQ task order is structured around a results package, jointly designed by USAID and MWRI, 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. The EPIQ team is also involved in supporting select activities that relate directly to implementation of previous water policy benchmarks.

Impact assessment (EPIQ)

Adrian Hutchens (EPIQ economist) is coordinating this activity with support from Dr. Elsayed Mahdy (EPIQ economist).

The major activities during the reporting period included:

- Held meetings to prepare for coordination activities for conducting the impact assessment between EPIQ, USAID, and MVE. Those activities are continuing with the objective of producing an EPIQ water policy impact assessment work plan.
- A three-level approach is being formulated to evaluate the impacts of the EPIQ Water Policy Reform Program (WPRP). First, the relationship of the EPIQ benchmarks to the APRP program has been identified to take make use of, and avoid duplication of, the results of the MVE activities. Second, the EPIQ benchmarks were segregated in two classifications, passive and active. Passive benchmarks are not expected to create direct impacts, but they are essential to providing the foundation for the active benchmarks. For example, Benchmark C5, Revision of Water Law, will have no direct impact, but the revisions in the law it establishes are essential to the implementation of the other benchmarks.
- Because the benchmarks are expected to have overlapping impacts, and these impacts are likely to carry through from Tranche to Tranche, the benchmarks are being grouped into common impact themes or objectives that are inherent in the entire series of Tranches. The impacts on those themes will then be evaluated. Themes being considered include improved water management capabilities within MWRI, improved irrigation efficiencies, enhanced drainage water reuse, and enhanced productivity per unit of water.

Sugarcane Water Use Policies (MWRI/MALR)

Activities during the quarter included:

- Installation was completed for 5 new water flow meters (purchased by the MWRI during the last quarter) on sugar cane fields both with and without “improved” (laser land leveling and perforated pipe) irrigation systems.
- A data collection program was started for irrigation water application to the sugar cane fields on which the flow meters are installed. This program will extend for a minimum of one full year.

Tranche V Preparation

Work continued on developing the Tranche V water policy benchmarks. In addition to the four multi-year benchmarks from Tranche IV, three new benchmarks have been proposed and are under review:

- Integrated Water Management District
- Public Participation in Decision-Making
- Environmental Management at MWRI

Workshops

EPIQ co-sponsored a joint MALR/MWRI/MISD workshop on 28-29 August at the Pyramisa Hotel, Cairo. The purpose of the workshop was i) to identify and address specific issues that

emerged during the first year of MISD activities and ii) to discuss possible means of expansion of the program. A total of 32 persons attended including MWRI/MALR representatives from each of the four governorates and the five pilot districts participating in the benchmark pilot activities.

APRP/EPIQ Coordination

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

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

Regular water group coordination meetings were held at MWRI. USAID Ag policy water staff, WPAU, and EPIQ WPRP participated.

Regular meetings of the mismatch, wastewater, IMT and Law 12 working groups were held throughout the quarter. There were also numerous field trips and meetings with governorate and district level personnel.

Doug Clark, EPIQ Project Coordinator, visited the project during August 2000.

EPIQ team gave a presentation to Dr. Hales (Director, USAID/Washington Environmental Center) on the project's activities. The presentation was held at USAID on 20 July.

A PPC meeting was held on 6 August to review the proposed Tranche V benchmarks, discuss the next steps for finalizing the Tranche V benchmarks and signing the MOU, and approving the MVE work plan. Dr. Saad Nassar chaired the meeting, which was attended by PPC members, USAID Ag Policy staff, and the APRP TA team members.

An MWRI Steering Committee meeting was held on 22 August. The purpose of the meeting was to respond to the request of the PPC that the Steering Committee review and comment on several proposed benchmarks for Tranche V which deal with water-related issues. The Steering Committee approved the Tranche V benchmarks as a whole, however recommended that several of the proposed benchmarks were either impractical to pursue at this time or policy changes are not required. MWRI Steering Committee members attending the meeting were: Eng. Gamil Mahmoud (Chairman of the Steering Committee), Eng. Ali Morsi Batt (Head of the Irrigation Department), Dr. Mona El-Kady (Head of the National Water Research Center), and Eng. Ramsis Bakhoun (Head of the Irrigation Improvement Sector),. Mr. Mahmoud El Faragy attended on behalf of the Planning Sector and Dr. Ahmed Khattab attended on behalf of EPIQ.

Reports

The following report was issued: EPIQ Report No. 31: "Quarterly Report (April-June 2000)"

III. ACTIVITIES PLANNED FOR NEXT QUARTER

Benchmark Support

C.1: Matching Irrigation Supply and Demand

The following activities are planned for next quarter:

- The MALR Information Center staff will conduct joint MALR/MWRI local training on basic computer and database use including data entry and report preparation. This training (like that held last quarter in Sharkia) will involve irrigation district engineers of Abou Hummus (Beheira), Beba (BeniSuef), East Isna (Qena), and Luxor districts.
- Conduct periodic meetings (started last quarter) in the EPIQ office for MWRI pilot district and directorate level people on MISD activities.
- Establish internet access and email accounts in each pilot irrigation directorate to allow electronic data transfer from district to directorate to regional directorate for water distribution to central directorate for water distribution and reverse.
- Provide the necessary training and technical support to the pilot districts and directorates in use of the computers in the MISD program.
- Procure detailed maps of scale 1:2500 to cover entirely each pilot irrigation district and use these maps to resolve differences in farm land areas between MALR and MWRI in these districts.
- Analyze data collected and processes followed for MISD and modify program, if necessary, before beginning expansion to other areas and development of the national policy.
- Write final report for Phase I describing the initial results and evaluation of the pilots.
- Continue the MALR/MWRI mutual data collection and transfer program.
- Continue the MWRI water monitoring program to provide data for later evaluation of changes of water deliveries that result from the MISD program.
- If the proposal for expansion of MISD to the whole of the pilot directorates is approved, provide technical assistance to the MWRI in their expansion efforts.

C.2: Water Quality and Drainage Reuse

The following activities are planned for next quarter:

- Organize a Report Coordination Workshop to discuss and revise the summary policy report and its six appendices of this benchmark.
- Continue to revise the environmental benchmark for the Tranche period V.
- Prepare and participate the Tranche IV Workshop.
- Finalize and publish the summary policy report and its six appendices based upon the recommendations from the Tranche IV Workshop.
- Design and organize the pilot activities under this benchmark in year 2001.

C.3: Water Management at the Directorate Level

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

The following activities are planned for the next quarter:

- Modify the telemetry software to accept these mathematical formulae with hydraulic parameters and daily cumulative water volumes.
- Install the modified software at the two Directorates' sub-master computers.
- Train Qena staff on "Telemetry Software Utilization in Water Management at the Directorate Level".
- Train Sharkiya staff on "Telemetry Software Utilization in Water Management at the Directorate Level".
- Verify cumulative daily volumes resulting from flow-rate equation compared with volumes estimated traditionally from 6-a.m. water levels.
- Evaluate Results.
- Prepare a draft work plan to expand same activities in other irrigation directorates.
- Prepare a policy document that includes a plan and instructions for volume-based water management in the Nile Irrigation System approved by the Ministry and distributed to all directorates.

C.4: Irrigation Management Transfer

The following activities are planned for the next quarter:

- The benchmark working group will continue to meet regularly and report to the Steering Committee on tasks associated with development of the IMT policy and its phased plan for implementation.
- Completion of study on socio-economic conditions, pre-implementation on criteria and assessment of land classifications and tenureship patterns (a benchmark requirement) will be completed.
- The assessment on the secondary-level irrigation technical rehabilitation requirements (a benchmark requirement) will be completed for the four pilot canals. Recommendations will be presented to the stakeholders at focus group meetings to be held in December. Following these stakeholder focus group meetings, the results will be presented to the Steering Committee for a final decision and further action.

C.5: Revision of Law 12

The following activities are planned for the next quarter:

- The benchmark-working group under the leadership of WPAU task manager will continue to meet regularly.
- Stakeholders will be contacted to discuss the changes proposed in law 12 in order to avoid any conflict or overlap among different laws dealing with water management.
- A stakeholder workshop will be held in Nov. 6, 2000 to discuss the revised edition of the law. The attendants will be the stakeholders as well as the MWRI group.
- An analysis and review will be completed, with stakeholder's participation, of the modification needed for law 12 of 1984 by 31 Dec. 2000 (Benchmark Verification Indicator).

Studies and Other Activities

Sugarcane Water Use Policy Implementation (MWRI/MALR)

The following activities are planned for next quarter:

- Ensure that crop yield data are taken for each of the monitored sugar cane fields and that these data are available to the EPIQ MISD team.
- Conduct periodic field inspection tours to the sites with flow meters to ensure proper operation of the meters so accurate water application data are obtained that will allow valid comparison of the improved and unimproved irrigation systems.

Other Activities

Tranche IV Final Workshop

A workshop is planned during mid-November to present the Tranche IV benchmark results to the MWRI Steering Committee.

Tranche V Preparation

The Tranche V water policy benchmarks will be finalized and the MOU signed.

IV. PROBLEMS AND ISSUES

Dr. Jeff Fredericks, COP, will be leaving the project in November to take another assignment in Tashkent, Uzbekistan. The search for his replacement has begun.

V. IMPORTANT TRIPS, VISITS AND MEETINGS

Sunday, July 2

- IMT physical assessment planning meeting, MWRI 1st fl., 10:30 AM
- Sugar cane monitoring meeting, APRP, 10:30 AM

Monday, July 3

- Sugar cane monitoring meeting, MWRI
- WWAR meeting with MOHP, MWRI 9th floor, 11 AM

Tuesday, July 4

- US Independence Day (holiday)
- WWAR meeting with Harza on in-situ drainage treatment, 1 PM

Wednesday, July 5

- WWAR meeting with DT2 on observation study tour, 11 AM

Wednesday - Thursday, July 5 - 6

- IMT physical assessment survey data collection field trip No. 1, South Tahrir

Thursday, July 6

- WWAR meeting with NOPWASD, MWRI 9th floor, 10 AM

Saturday, July 8

- Opening of MISD database training, APRP, 9:30 AM

Sunday, July 9

- Impact Assessment (IA) meeting re: KAP survey, WCU, 1st Floor, MWRI, 10 AM

Sunday - Monday, July 9 - 10

- MISD database training course (part-time)

Monday, July 10

- IMT physical assessment planning meeting, MWRI, 12 Noon
- MISD/IA meeting with Nat. Water Resources Plan project, MWRI, 1st flr, 2 PM

Tuesday, July 11

- WWAR meeting at MALR

Wednesday, July 12

- Law 12 coordination meeting, MWRI, 11 AM
- IA meeting with MVE on impact assessment coordination, 2:30 PM

Sunday, July 16

- MISD working group meeting, APRP/RDI, 10 AM
- DT2 initial meeting with participants of WWAR US study tour, DT2, 12 Noon

Monday, July 17

- MISD field trip to Sharqiyya
- WWAR meeting with MALR task representative

Tuesday - Wednesday, July 18 - 19

- Sugar cane monitoring field trip, Luxor

Wednesday, July 19

- WWAR meeting with editor for local TDY reports

Thursday, July 20

- Briefing for David Hales, Director, USAID Env. Center, USAID, 10 AM
- IMT meeting on socio-economic study, 9th floor, MWRI, 10 AM
- WWAR met task representative of NOPWASD, 9-10 am, MWRI 9th floor

Friday, July 21

- ETA Doug Clark (return departure from Cairo on August 7)

Sunday, July 23

- Egyptian National Day (holiday)

Monday, July 24

- IMT physical ass. survey data collection field trip No. 1, El Shabaab (Sharqiyya)

Tuesday, July 25

- Tranche V meeting, 9th floor conference room, MWRI, 10 AM

Wednesday, July 26

- IMT physical assessment survey data collection field trip No. 1, South Tahrir
- DT2 meeting with participants of WWAR US study tour, DT2, 1 pm
- WWAR meeting with task representative of MOHP, 1 pm, MOHP
- WWAR meeting with task representative of MEA, 3 pm, MEA

Wednesday - Thursday, July 26 - 27

- IMT phy. assess. survey data coll. field trip, Beni Abed branch canal (Minya)

Thursday, July 27

- WPRP Success Story meeting with Graphics Design Specialist, USAID, 2:00 PM
- Impact Assessment meeting, USAID, 2:30 PM
- IMT phy. assess. survey data collection field trip No. 2, South Tahrir
- WWAR meeting with task representative of NOPWASD, 10 am, MWRI 9th flr
- WWAR meeting with task representative of MALR, 1 pm, MALR

Sunday, July 30

- IMT round table discussion, 9th floor conference room, MWRI, 2 PM
- SC monitoring meeting to discuss Luxor FT recommendations with Eng. Elwan, 1 PM

Monday - Tuesday, July 31 - August 1

- IMT physical assessment survey data coll. field trip to Bahr El Sagheer, Mansoura

Tuesday, August 1

- Meeting with graphics design & layout specialist & editor on success stories, 4:30 PM

Wednesday, August 2

- Sugar cane monitoring meeting, Eng. Elwan's office, MWRI, 11 AM
- MISD working group meeting, MWRI 9th floor conference room, 1 PM

Sunday, August 6

- IMT socio-economic survey pre-test review meeting, MWRI, 9th floor
- PPC Meeting, APRP, 10 AM

Monday, August 7

- MISD working group meeting, APRP, 10 AM

Tuesday, August 8

- MISD meeting, 5 pilot irrigation districts, MWRI 9th floor conference room
- IMT socio-economic survey pre-test review follow-up meeting, MWRI, 9th floor

Wednesday, August 9

- MISD working group meeting, APRP, 12 Noon
- MISD meeting, Qena/Luxor pilot irrigation districts, MWRI 9th floor conf. room
- IMT socio-economic study pre-testing in Mansoura

Thursday, August 10, 2000

- MISD computer installation field trip to Abou Kebiir, Sharqiyya
 - IMT socio-economic study pre-testing in Beheira
- Saturday, August 12, 2000
- IMT socio-economic study pre-testing in Sharqiyya

Sunday, August 13

- Meeting with editor on success stories, 3:30 PM
- IMT socio-economic survey pre-test results briefing, MWRI, 9th floor
- IMT physical assessment field trip to South Tahriir

Tuesday, August 15

- MISD working group meeting, Eng. Elwan's office, MWRI 18th floor 1 PM

Wednesday, August 16

- Editor reviews success stories with technical staff, MWRI 9th floor, 3 PM

Thursday, August 17

- MISD computer installation field trip to Beni Suef

Thursday, August 17 - Saturday, September 2

- Water Quality Study Tour, California

Tuesday, August 22

- WPRP Steering Committee Meeting, MWRI 9th floor conference room, 11 AM

- MISD meeting, 3 pilot district meetings, MWRI 9th floor conference room

Tuesday, August 22 - Wednesday, August 23,

- Antiquities and agricultural policy field trip to Luxor

Wednesday, August 23

- MISD computer installation field trip to Beheria

Sunday, August 27

- IMT socio-economic survey pre-test report meeting, MWRI 9th floor

Monday, August 28

- *MISD follow-up computer installation field trip to Beni Suef

Monday, August 28 - Tuesday, August 29

- Joint MALR/MWRI MISD meeting, Pyramisa Hotel, Giza

Wednesday, August 30

- *MISD follow-up computer installation field trip to Beheira

Sunday, September 3

- IMT Labor day (holiday)

Sunday, September 3 – Monday, September 4

- Training of IMT socio-economic survey enumerators, Ain Shams University

Monday, September 4

- IMT working group meeting, 1st floor MWRI, 9:30 AM

- MISD working group meeting Eng. Elwan's office, MWRI, 12 Noon

Tuesday, September 5

- MISD meeting, 5 pilot irr. districts, MWRI 9th flr. conf. rm., 9 AM – 1 PM

- IMT BCWUA planning meeting, MWRI 9th floor conference room, 10 AM

Wednesday, September 6

- MISD meeting, Qena/Luxor pilot district, MWRI 9th floor, 9 AM – 1 PM
- IMT working group meeting MWRI 9th floor conference room, 10 AM
- Tranche V Briefing, USAID, 12 Noon

Wednesday, September 6 – Thursday, September 7

- IMT socio-economic survey data collection, Mansoura

Thursday, September 7

- IMT BCWUA planning meeting, 10 AM
- Economists' field trip to IMT pilot area, Mansoura

Friday, September 8 – Sunday, September 10

- IMT socio-economic survey, Minya

Sunday, September 10

- IMT Socio-Economic Survey, Minya

Monday, September 11

- Waste water treatment & reuse meeting on forest irrigation, MALR

Monday, September 11 – Tuesday, September 12

- IMT Socio – Economic Survey, Sharqiyya

Monday, September 11 – Wednesday, September 13

- MSM coordination/software installation field trip, Qena

Tuesday, September 12

- Economists' field trip to IMT pilot area, Sharqiyya

Wednesday, September 13

- Tranche IV Water Group Meeting, MWRI 9th floor conf. room, 10 AM
- Law 12 working group meeting, MWRI 9th floor conf. room, 12 Noon

Wednesday, September 13-Thursday, September 14

- IMT socio-economic survey, Beheira

Thursday, September 14

- August 200 water quality study tour closure meeting, DT2
- Law 12 working group meeting, 2 PM

Sunday, September 17

- Conference on water management & extension in ag. education, MALR

Monday, September 18

- Law 12 working group meeting, MWRI 9th floor conf. room, 12 Noon
- MISD computer installation field trip, Abou Hammas district, Beheira
- IMT study tour initial meeting, DT2, 1 PM

Tuesday, September 19

- MISD meeting, 3 pilot irr. districts, MWRI 9th floor conf. room, 9:30 AM - 1 PM

Wednesday, September 20

- USAID contractor/grantee support meeting, 10:30 AM - 12:30 PM, USAID
- Meeting on success stories, Water Communications Unit, 2 PM

Wednesday, September 20 - Thursday, September 21

- Wastewater effluent reuse pilot field trip to Gamasa, Dakhalia governorate

Ongoing throughout Week

- IMT branch canal formation initial mtngs (Beheira, Sharqiyya, Mansoura, Minya)

Monday, 24 September

- Antiquities & agricultural policy workshop, Sheraton Cairo Hotel, 9 AM - 3 PM
- Law 12 working group meeting, MWRI 9th floor conference room, 12 Noon

Tuesday, 25 September

- MWRI policy committee meeting, MWRI library, 2nd floor, 10 AM

Wednesday, 27 September

- IMT physical assessment review meeting, MWRI 9th floor conference room, 10 AM
- Water management flow measurement field trip, Sharqiyya

Wednesday, 27 September - Thursday, 28 September

- Egyptian Economists Association annual conference, Dokki

Thursday, 28 September

- WWTR meeting with NOPWASD, MWRI 9th floor conference room, 12 Noon
- MISD computer installation field trip, Beni Suef

Saturday, 29 September

- Driver security awareness briefing, US Embassy, 10:30 AM

Saturday, 29 September - Sunday, 1 October

- MISD computer installation field trip, Luxor/Qena

Ongoing throughout Week

- IMT branch canal formation meetings (Beheira, Sharqiyya, Mansoura, Minya)

VI. STAFF LEVEL OF EFFORT

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

The LTTA and STTA staffing list for the quarter is shown below.

Resident Staff

Name	Position
Expatriate	
Dr. Jeff Fredericks	Chief of Party
Greg Olson	Administrative Officer
Dr. Zhongping Zhu	Senior Water Resources Engineer
Dr. Larry King	Senior Irrigation Engineer
Adrian Hutchens	Senior Water Economist
Dr. Robert Cardinalli	Senior Sociologist
Local Egyptian	
Dr. Ahmed Fakhry Khattab	Co-Team Leader
Dr. Ibrahim Elassiouti	Senior Water Resources Mgmt. Specialist
Dr. El-Sayed Mahdy	Economist
Eng. Ragab Abdel Azim	Drainage Engineer

Short Term Staff during the Report Period

Name	Position
Expatriate	
Jeremy Salucka	Technical Editor
Kristin Kent	Technical Editor
Local Egyptian	
Abdel Rahim El-Mahdy	Interpreter/Translator
Hussein Elwan	Irrigation Management Specialist
Sanaa Abdel Rashid	Water Data Analysis Specialist
Yehia Abdel Aziz	Senior Water Quality Specialist
Hussein El Atfy	Senior Water Policy Specialist
Dr. Hesham Kandil	Senior Water Quality Specialist
Siham Hendy	Senior Public Health Specialist
Dr. Mamdouh Riad	Senior Forestry Specialist
Magda Gaballa	Senior Wastewater Treatment Specialist
Mohsen Mamdouh	Senior Wastewater Treatment Specialist

Name	Position
Ahmed Gamal Eldin	Senior Environmental Specialist
Amr Hafez	Telemetry Specialist
Alaa Hassan	Computer Software Specialist
Soliman Abu Zeid	Senior Water Management Specialist
Abdel Rahman Shalaby	Senior Institutional Policy Specialist
Essam Barakat	Senior Participatory Irrigation Management Specialist
Ahmed Maher Ghydan	Senior Irrigation Specialist
Dr. Mohamed Badran	Legal Specialist
Dr. Mohamed Rami Mahmoud	Water Policy Information Specialist

VII. STATUS OF FINANCES AND EXPENDITURES

Financial summary for 3rd Quarter 2000 (July-September 2000)

	Itemized Budget	Prior Claimed	Current Claim	Claims to Date	Remaining Balance	Budget Claimed
Direct Labor	\$6,795,261	\$4,165,926	\$167,736	\$4,333,662	\$2,461,599	64%
Travel and Transportation	\$778,889	\$156,083	\$28	\$156,111	\$622,778	20%
Per Diem	\$205,162	\$162,788	\$988	\$163,776	\$41,386	80%
Allowances	\$1,146,087	\$622,135	\$2,317	\$624,452	\$521,635	54%
Other Direct Costs	\$1,392,823	\$1,346,271	\$54,786	\$1,401,057	-\$8,233	101%
Total	\$10,318,222	\$6,453,202	\$225,855	\$6,679,057	\$3,639,165	65%

Source: IRG Invoice #38, #39, and #40

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 Work Plan	November 1998
13	Quarterly Report (July-September 1998)	December 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
24	Tranche IV Water Policy Benchmark Implementation Plan (FY 99/00)	November 1999
25	Quarterly Report (July - September 1999)	November 1999
26	Rice Water Use Policy Phase1: Water Monitoring and Evaluation Program with Appendices	December 1999
27	Review of the Agricultural Sector Model of Egypt (ASME97): 1999 Version	December 1999
28	Quarterly Report (October-December 1999)	January 2000
29	Annual Report (January - December 1999)	February 2000
30	Quarterly Report (January- March 2000)	May 2000
31	Quarterly Report (April- June 2000)	August 2000