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QUARTERLY REPORT

(APRIL– JUNE 1998)

Report No. 11

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Water Policy Reform Program

International Resources Group

Nile Consultants

Winrock International

QUARTERLY REPORT
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I. SUMMARY

During the quarter, The EPIQ TA team assisted MPWWR and WPAU with the completion of activities related to the APRP Tranche II benchmarks agreed to in the MOU dated September 1997 signed by USAID and GOE. There were five water policy related benchmarks. These included:

- Establish a strategy for the optimal water use for rice production.
- Establish a strategy for the optimal water use for sugar cane production.
- Develop a policy to allow the formation of water user associations in areas that have not participated in the irrigation improvement program, and begin to promote such associations.
- Develop a national strategy for improving water use efficiency and agricultural productivity through irrigation improvement projects.
- Develop and approve new policies, regulations, and criteria to promote drainage water reuse with appropriate incentives and technical support

Five technical documents in support of each of the Tranche II benchmark activities were finalized and distributed by the EPIQ TA team. Two of the documents (sugar cane and rice) were prepared jointly by EPIQ and RDI. The rice report was issued under an EPIQ WPRP cover and the sugar cane report was issued under an RDI cover.

A one day round table workshop sponsored by EPIQ WPRP on expanding WUAs to Non-IIP Areas was held at Ismailiya on April 30, 1998. The workshop was attended by MPWWR Steering Committee members, high level MPWWR staff, lead farmers, USAID staff, WPAU staff, APRP TA staff and TA staff from other donor-sponsored projects involved in WUA activities.

A second workshop was held in Hurghada, 16 to 17 June 1998, to present proposed strategies and policy recommendations for the Tranche II water benchmark activities to the MPWWR Steering Committee. The EPIQ TA team gave formal presentations to the participants. The workshop was attended by HE the Minister of MPWWR, members of the MPWWR Steering Committee, USAID, WPAU staff, representatives from the APRP TA teams and the EPIQ TA team.

The recommendations adopted at the Hurghada workshop by the MPWWR Steering Committee on the five Tranche II benchmark topics were compiled in a document that was presented to the Minister. All were approved.

All of the five Tranche II water benchmarks were classified as met or exceeded by the APRP Monitoring, Verification and Evaluation Unit and USAID.

Work also continued on the preparation of benchmarks for Tranche III. The EPIQ TA team attended the APRP Tranche III preparation workshop held in Abu Sultan 3-4 June 1998.

The study on the Hydrogeology of Deep Aquifers in the Western Desert and Sinai is under preparation.

The Policy Advisory Group (PAG) (Dr. M. Rock , technical co-ordinator/senior economist; Dr. B. Young, senior water resource economist; Dr. J. Keller, senior irrigation engineer; and Dr. M. Allam, senior water resources planner) made a visit in early May 1998 to assist the EPIQ team in finalizing Tranche II activities and to provide input to the Tranche III benchmarks. Presentations were made to MPWWR and USAID officials on water policy issues. A draft water policy road map was prepared.

Co-ordination visits to review EPIQ WPRP activities were made by several EPIQ Washington D.C. staff during the report period. This included visits by Dr. Doug Clark (EPIQ Project Coordinator), Dr. Ken Baum (USAID EPIQ Project Director) and Dr. R. Mishelhoff (EPIQ Policy Advisor).

II. ACCOMPLISHMENTS DURING THE REPORT PERIOD

Staffing

All members of the EPIQ long term resident team are now in place. Dr. Max Lowdermilk, short term expatriate sociologist completed a three month assignment in May 1998. The team was supported by short term local Egyptian TA that included Eng. Essam Barakat (participatory irrigation management specialist), Dr. Safwat Abdel Dayem (senior drainage specialist) and Eng Hassan Shouman (irrigation legal specialist).

The policy advisory group made a visit to the project during the period 30 April to 15 May 1998 to assist in reviewing the reports being prepared by the resident team in support of Tranche II and provided input and ideas for benchmarks for Tranche III. PAG members participating in the work included Dr. M. Rock (technical co-ordinator /senior economist), Dr. B. Young (senior water resource economist), Dr. J. Keller (senior irrigation engineer) and Dr. M. Allam (senior water resources planner). The PAG team made presentations to MPWWR and USAID officials on water policy issues. A draft water policy road map was prepared.

Dr. R. Misheloff, IRG/EPIQ Policy Advisor and Dr. Mohamed Alam, Nile Consultants, also participated in the Hurgahada worksop.

Water Management Alternatives for Rice and Sugar Cane

This activity was carried out in support of Tranche II benchmarks C.4 on optimal use of water for rice and C.5 on optimal use of water for sugar cane. Dr. John Keith and Dr. El-Sayed Mahdy were responsible for these activities for the EPIQ team.

Joint working groups with representatives from MPWWR, MALR, EPIQ, RDI and PMU were formed to study strategies on water management alternatives for rice and sugar cane. Meetings were held to present relevant studies and information to TA. Both ministries appointed representatives to each working group. Dr. John Keith , EPIQ economist, chaired the working groups on rice and sugar cane which focused on the completion of the related Tranche II benchmarks. 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), Eng. T. Raqabawi (MPWWR), Mr. M. Nour (PMU) and Dr. Craig Anderson (USAID – observer). Members of the sugarcane working group include: Dr. J Keith (EPIQ), Dr. S. Mahdy (EPIQ), 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 (National Consulting Firm), Dr. Craig Anderson (USAID – observer) and Eng. M. Mabrouk (USAID). Presentations to the groups regarding water uses and economics from experts both on and external to the groups were made during this period. Policy test areas were identified and implementation began for water use studies on short season rice varieties.

The report for the rice Tranche II Benchmark (Assessment of Egypt's Rice Policy and Strategies for Water Management) was prepared in collaboration with APRP RDI staff and other rice working group members.

The report for the sugar cane Tranche II Benchmark (Egypt's Sugarcane Policy and Strategy for Water Management) was prepared in collaboration with APRP RDI staff and other sugar cane working group members.

EPIQ TA team participated as members of the rice task group in the development of procedures for data collection in the rice policy test area in the Kafr El-Sheikh governorate on Sedi Gamee Canal to investigate water savings, production and economic impacts of introducing short-duration rice varieties. A test area for short season varieties of rice was identified and the testing procedures implemented. The Irrigation Sector was charged with water measurement, the Rice Research Institute supervised the planting of only short season varieties in the test area, and data collection procedures and instruments were developed for economic and production data in cooperation with the Rice Research and Training Center in Desouk.

A field trip was made to the Aswan and Luxor sugar cane growing areas to examine on-farm irrigation improvements and to discuss problems with, and possible solutions to, the excessive water use on gravity-fed irrigation of sugar cane. Subsequent discussions were held in Luxor to determine appropriate policy prescriptions for sugar cane.

Presentations on the proposed policies and strategies for improved water management and water savings for rice and sugar cane were given at the Hurghada Tranche II benchmark workshop. Comments and recommendations from the workshop were included in the final reports. These documents along with the recommendations approved by the MPWWR Steering Committee were presented and approved by the Minister of MPWWR and MALR.

The rice benchmark was evaluated by MVE and USAID as exceeded and the sugar cane benchmark as fully accomplished.

National Strategy for Irrigation Improvement Projects

The activity in support of Tranche II benchmark C.7 on preparation of a national strategy for irrigation improvement projects was led by Dr. T. Ley.

The assessment of IIP and the preparation of a national strategy for irrigation improvement projects were completed. In support of the IIP review, data about yield and cropping patterns for IIP and non-IIP areas were collected from Sharkia and Minya governorates for use in an economic analysis of IIP. Two separate draft reports were prepared. "Assessment of Egypt's Irrigation Improvement Program" and "A National Strategy for Irrigation Improvement in Egypt". These reports were distributed for internal review and comment to the Water Policy Team, the PAG, USAID and key Ministry individuals. The review comments were incorporated and the two reports were combined into a single report entitled: "Egypt's Irrigation Improvement Program: 1. Performance Assessment, 2. Proposed National Strategy". This draft was distributed to Steering Committee, WPAU, USAID and key Ministry individuals.

A formal presentations on the proposed policies and strategies for uture irrigation improvement activities was given at the Hurghada Tranche II benchmark workshop. Comments and recommendations from the workshop were included in the final report. This document along with the recommendations approved by the MPWWR Steering Committee were presented to and approved by the Minister of MPWWR.

The national strategy for irrigation improvements benchmark was evaluated by MVE and USAID as fully accomplished.

Water Supply Augmentation using Deep Groundwater

The study on water supply augmentation using deep groundwater continued under the direction of Eng. Saleh Nour. This included:

- Review of previous hydrogeologic investigations of deep groundwater aquifers in Sinai and the Western Desert.
- Assisting in the design of a plan for developing better information describing hydrogeologic characteristics of deep aquifers, to support economic analysis of groundwater policy alternatives.
- Assisting in analyzing existing hydrogeologic data to estimate regional hydrogeologic characteristics and evaluate potential use of deep groundwater.
- Summarizing the current state of knowledge regarding deep groundwater aquifers in Sinai and the Western Desert.

The review of previous hydrogeologic investigations of the deep aquifers, analysis of the current deep groundwater conditions as well as the future plans for deep groundwater development in the Western Desert and Sinai was completed.

Preparation of a report summarizing the current state of knowledge regarding deep groundwater aquifers and required plans for additional hydrogeologic investigations in the Western Desert and Sinai was started.

Agricultural Drainage Water Reuse

The activity on drainage reuse is in support of the Tranche II benchmark C.9 is being carried out by an EPIQ team work group that includes Dr. Zhongping Zhu, Dr. Ibrahim Elassiouti, Dr. Ahmed Fakhry Khattab, and Eng. Ragab Azim. The work group was assisted by Dr. Safwat, local Egyptian senior drainage specialist, and members of the PAG. Topics covered in the drainage reuse study include:

- The maximum salt-removal-driven drainage reuse potential and the minimum fish-production-driven outflow requirements.
- The current and future M&I wastewater volumes and pollution loads in the Delta region, and the possible reduction options.

- A general evaluation of the Delta's drain water quality and the applicable remedy measures in drain water quality control.
- The potential impact of extended irrigation improvement projects (IIP), application of new irrigation methods, reduction of rice areas, and Toshka project development on drainage patterns in the Delta.
- Three reuse levels, main mixing stations, intermediate reuse, and unofficial reuse, and their complementary roles in total drainage reuse.
- Promising economical and institutional instruments and incentives in drain water management.

Consultations with PAG, WPAU, Steering Committee and other parties involved in drainage reuse on the drainage reuse policy development were carried out. A draft document on drainage reuse policy was prepared and distributed to MPWWR and USAID for review and comment. Individual meetings were held with MPWWR and USAID staff to discuss the report.

A formal presentation on the proposed policies and strategies for drainage reuse was given at the Hurghada Tranche II benchmark workshop. Comments and recommendations from the workshop were included in the final report. This document along with the recommendations approved by the MPWWR Steering Committee were presented to and approved by the Minister of MPWWR.

The drainage reuse benchmark was evaluated by MVE and USAID as fully accomplished.

Water Users Associations in non-IIP Areas

This activity was carried out in support of Tranche II benchmark C.5 on extending WUAs to non-IIP areas. The activity was coordinated by Dr. Robert Cardinalli, EPIQ team Senior Sociologist. Short term TA was provided by TDY consultants Dr. Max Lowdermilk (senior sociologist), Essam Barakat (irrigation management participation specialist) and Eng. Hassan Shouman (legal specialist).

Technical reports were prepared by TDY consultants Eng. Hassan Shouman (Legal Aspects of WUAs), Dr. Max Lowdermilk and Essam Barakat (Expanding Participatory Irrigation Management in Egypt). These were incorporated into a document on "Expanding Water User Associations to Non-Irrigation Improvement Areas".

The remaining two (out of seven) one-day focus group workshops with stakeholders on WUAs and Branch Canal organizations were conducted. A total of 36 stakeholders participated in the two workshops held at Esna and Beni Suef.

A Round Table Workshop on Expanding WUAs to Non-IIP Areas was held in Ismailiya on April 29-30, 1998. Recommendations from the workshop were included in the document on "Expanding Water User Associations to Non-Irrigation Improvement Areas" and covered:

- Establishment of Water User Associations in areas not under any previous IIP phase, and completion of outstanding improvements in the old IIP areas;

- Establishment of water user apex organizations on the branch canals allowing for future expansion to the irrigation district level.
- Legal ordinances and institutional regulations related to water user organizations.
- Formal institutionalization of the Irrigation Advisory Service in MPWWR.
- Establishment by ministerial decree of an Action Team to act as an advisory tool on branch canal participatory management.
- Presenting a training course on branch canal water user organizations and other levels of participatory irrigation management.
- Establishing privatized water user associations in the El Salaam, North Sinai, and Toshka Projects.

A formal presentation on the recommendations for expanding Water User Associations to Non-Irrigation Improvement areas was given at Hurgahada, the Tranche II benchmark workshop. Comments and recommendations from the workshop were included in the final report. This document along with the recommendations approved by the MPWWR Steering Committee were presented to and approved by the Minister of MPWWR.

The IIP benchmark was evaluated by MVE and USAID as fully accomplished.

Workshops

EPIQ WPRP conducted two major workshops.

A round table workshop on expanding WUAs to non-IIP areas was held in Ismailiya on April 29-30, 1998. Participants included members of the MPWWR steering committee; high level MPWWR staff from IIP, Irrigation Sector and National Water Research Center; USAID; several lead farmers; WPAU staff, selected APRP TA staff and representatives from other donor groups working in Egypt on farmer participation.

A second workshop was a joint workshop held with WPAU in Hurgahada, 16 to 17 June 1998, to present proposed strategies and policy recommendations on the Tranche II water benchmark activities to the MPWWR Steering Committee. The EPIQ TA team gave formal presentations to the participants. The workshop was attended by HE the Minister of MPWWR, members of the MPWWR Steering Committee, USAID, WPAU staff, representatives from the APRP TA teams and the EPIQ TA team.

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 and WPAU to finalize the Tranche III benchmark documents and to develop the benchmarks for Tranche III.

WPAU 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, Telemetry program, FAO Flood Forecasting Project and Communications Unit working with assistance from Greencom. Much of the focus of these meeting was on the development of Tranche III benchmarks.

Regular Sugarcane and Rice work group meetings were held at APRP and MPWWR.

EPIQ staff participated in an APRP field trip to the East Oweinat project area, in the Western Desert on 12th April 1998, to learn more about the ongoing activity of deep groundwater development and utilization in agriculture project (7000 feddan).

EPIQ team members participated in the APRP Workshop held in Abu Sultan on 3-4 June 1998. The purpose of the meeting was to discuss proposed Tranche III benchmarks. Representatives from USAID, MPWWR, WPAU, the EPIQ WPRP team as well as other consultant and support groups working under the APRP umbrella attended the workshop.

Co-ordination visits to review EPIQ WPRP activities were made by several EPIQ Washington D.C. staff during the report period. This included visits by Dr. Doug Clark (EPIQ Project Coordinator), Dr. Ken Baum (USAID EPIQ Project Director) and Dr. R. Mishelhoff (EPIQ Policy Advisor). Dr. R. Mishelhoff attended the EPIQ workshop held at Hurghada.

Administration

Hardware for LAN system installed.

Reports

The EPIQ WRRP issued four reports in support of the Tranche II activities. The report on rice was jointly prepared by EPIQ and RDI staff. A fifth report jointly prepared by EPIQ WPRP and RDI on sugar cane was issued under an RDI cover. The titles of the reports are:

- EPIQ/WPRP Report No. 6: “Assessment of Egypt’s Rice Policy and Strategies for Water Management”
- EPIQ/WPRP Report No. 7: “Egypt’s Irrigation Improvement Program:
 - I. Performance Assessment
 - II. Proposed National Strategy ”
- EPIQ/WPRP Report No. 8: “National Policy for Drainage Water Reuse”
- EPIQ/WPRP Report No. 9: “Water User Association Replication Outside the Irrigation Improvement Program Area”
- APRP/RDI Unit Report No. 33: “Egypt’s Sugarcane Policy and Strategy for Water Management”

III. ACTIVITIES PLANNED FOR NEXT QUARTER

Staffing

Dr. Tom Ley and Dr. Zhongping Zhu, long term expatriate resident team staff, will be taking annual vacations during July.

Requirements and SOW for short term TA for Tranche III will be prepared.

Agricultural Water Demands

Prepare 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 Management Alternatives for Rice and Sugar Cane

Continue the data collection on the rice policy testing area (to be completed Oct. 30, 1998), including both the hydrologic and economic data.

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 rice and sugar cane.

Prepare work plans and identify TA requirements to support Tranche III benchmarks on rice and sugarcane.

IIP Net Economic Impact Study

Prepare a Terms of Reference and SOW to assist MPWWR in establishing an independent monitoring and evaluation unit for data collection and analysis regarding the economics of IIP, in particular the separability of various aspects of IIP as they impact economic efficiency and equity.

IAS Institutionalization

Assist MPWWR with the development of a workplan to complete the Tranche III benchmark to fully institutionalize the Irrigation Advisory Service.

Water Supply Augmentation using Deep Groundwater

Finalize the report on the hydrogeology of the deep groundwater aquifers in the Western Desert and Sinai.

Identify a groundwater resources management specialist and water resources economist to help develop policy issues regarding the optimal utilization of the deep groundwater in the Western Desert and Sinai.

Assist MPWWR in drafting the work plan for Tranche III benchmark on deep groundwater.

Water Supply Augmentation using Shallow Groundwater

Prepare 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.

Agricultural Drainage Water Reuse

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.

Prepare a SOW and work plan for a study to exam 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.

Agricultural Water Supply and Demand Scenarios

Develop 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 outreaches, and routine collaborative relationship with Irrigation Sector and other related parties.

TA will be identified to assist with the study.

Cost Sharing

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.

Water User Participation in Irrigation Management

The following activities are anticipated for next quarter under this activity:

- Assist MPWWR in establishing an MPWWR Action Team on apex water user organizations.
- Finalize MPWWR WUA Action Team study tour.
- Assist MPWWR in preparing a framework and a work plan for developing field programs on two branch canals (BCWUOs) for implementation of higher-level water user involvement.
- Provide process documentation training to IAS staff and district engineers working on the BCWUOs.
- Prepare a proposal to assist MPWWR in conducting an assessment for carrying out incomplete IIP mesqa improvements.
- Prepare a proposal for a study on options for participatory irrigation management in new areas (i.e. Toshka, El Salaam and North Sinai).
- Prepare a proposal for a study on practical implementation of establishing district WUA centers, and the required institutional management and support mechanisms.
- Prepare a proposal to develop and initiate integrated training package for IAS staff, district engineers and water users on techniques of participatory rural appraisal (PRA), irrigation diagnostic analysis, and communications.

Tranche II

Assist MPWWR and MVE in verification of Tranche II water benchmarks.

Tranche III

Assist MPWWR and USAID in finalizing Tranche III benchmark statements and verification indicators.

Other Activities

Participate in APRP coordination meetings and workshops.

Conduct a workshop to present EPIQ Tranche III workplan to USAID and MPWWR.

Reports

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

- Updated Annual work plan.
- Report on review of deep groundwater in the Western Desert and Sinai.

Administration

- Complete installation of LAN system
- Purchase two additional vehicles

IV. PROBLEMS AND ISSUES

It was agreed by USAID and MPWWR that the use of a Policy Advisory Group to support the Tranche II activities was useful. However, they have recommended that the PAG's role as an advisory group be discontinued. It was suggested that the EPIQ team might use the former PAG members as individual short term consultants with specific scopes of work that provide direct TA support to the Tranche III benchmark activities and studies.

Special attention will be given in the the third quarter to identify and mobilize a TDY groundwater resources management specialist to join the EPIQ team to work on the policy issues for the optimal utilization of deep and shallow groundwater.

The EPIQ TA team worked very closely with WPAU and USAID during this quarter. The success of this close cooperation was demonstrated in the support given by the MPWWR steering committee and HE Minister Public Works and Water Resources in their approval of the Tranche II benchmark policy recommendations.

V. IMPORTANT TRIPS, VISITS AND MEETINGS

Date	Location	Purpose	Persons Met
Weekly	APRP;MPWWR	Rice and Sugar Cane Working Group meetings	Working group members
Weekly	APRP; MPWWR	APRP co-ordination meeting	APRP TA staff; USAID
Weekly	MPWWR	APRP Water units co-ordination meeting	APRP Water TA teams; USAID
2 Apr	Desouk district	Meet with Agricultural and Irrigation staff to set up field tests of short season rice varieties	Dr. Keith (EPIQ); Dr. Mahdy (EPIQ); Dr. Gleason (RDI); Dr. Tantawi (FCRI/ARC); Eng. Elwan & irrigation staff (MPWWR);
4 Apr	Desouk district	Meet with and orientation to farmers on Sedi-Gamee Canal about the new varieties	Dr. Keith (EPIQ); Dr. Mahdy (EPIQ); Dr. Gleason (RDI); Dr. Tantawi (FCRI/ARC); Eng. Elwan & irrigation staff (MPWWR);
12 Apr	East Oweinat	Look at deep groundwater projects in East Oweinat	Dr Keith (EPIQ); Dr. Mahdy (EPIQ); Eng. Nour (EPIQ); Dr. Nassar (ARC); Mr. Noor (PMU); Dr. El-Assiouti (EPIQ); + 40 others
13 Apr	Zagazig/Sharkia governorates	Collect data from IIP and non-IIP areas for economic analysis	Dr Keith (EPIQ); Dr. Mahdy (EPIQ); Eng. Abou El-Fetouh (Ag. Extension); Local Ag. Extension staff
16 Apr	El-Minya/Abou Kirkas district	Collect data from IIP and non-IIP areas for economic analysis	Eng. Madih (Info. Center); Eng. Ali Abou Kirkas (Ag. Administration); Visited Co-op. Staff
21 Apr	Focus Group	Beni Suef	IIP staff, farmers;

Date	Location	Purpose	Persons Met
	Meeting WUAs in non-IIP areas		EPIQ WUA team
29 Apr	FAO regional office	To discuss overlap and possible co-operation between WPRP/EPIQ and FAO	Dr. Keith (EPIQ); Dr. Mahdy (EPIQ); Dr. D. Abdou (FAO); Dr. M. Ahmed (FAO);
29-30 Apr	WUAs in non-IIP areas Workshop	Ismailia	Steering Committee; MPWWR officials; IIP/IAS staff; USAID; EPIQ TA Team; APRP staff
29 Apr – 16 May	Cairo	PAG Team Visit	M. Rock; J. Keller; B. Young; M. Allam.
3 May	FCRI / ARC	Meet with Dr Tantawi to review economic / financial survey questionnaire for the rice policy testing areas	Dr. Tantawi (director FCRI/ARC/MALR); Dr. Keith (EPIQ); Dr. Mahdy (EPIQ)
5 May	Cairo	ETD M. Lowdermilk	
5 May	MPWWR	Seminar on Water Policy Road Map	J. Keller
9 May	MPWWR	PAG/MPWWR briefing	Eng Shalaby (1 st Under Secty, MPWWR); PAG team
10 May	USAID	PAG USAID Debriefing	G. Rodgers (USAID); Dr. Wadie (USAID); Eng Mabrouk (USAID); PAG team.
11 May	Review of IIP Assessment and Strategy	MPWWR	Eng.Essam Barakat; T. Ley (EPIQ)
11 May	Desouk district	Training for enumerators on the field survey format	Dr. Rizk (RRTC); Dr. Fouda (RRTC); Dr. Mahdy (EPIQ); Four numerators
13-14 May	Luxor & Aswan	Visiting location of improved irrigation systems in sugarcane plantations in Upper Egypt	Sugar Cane Work Group
17 May	MPWWR	EPIQ USAID Discussions	K. Baum, USAID EPIQ Program Manager, Wash D.C.

Date	Location	Purpose	Persons Met
20 May	Review of IIP Assessment and Strategy	IIP Hdqtrs.	Eng.Essam Barakat (IAS); T.Ley (EPIQ)
20 May	Desouk district	Review progress on the rice testing areas on Sedi Gamee Canal	Dr. Keith (EPIQ); Dr. Mahdy (EPIQ); Eng. Elwan & local engineers (MPWWR); Eng. Raqabawi (MPWWR); Agri. Sector staff
26 May	MPWWR	EPIQ Co-ordination visit	D. Clark (EPIQ Project Coordinator); K. Baum (USAID EPIQ Proj Manager)
28 May	Briefing on IIP Assessment and Strategy	IIP Hdqtrs.	Eng.Nabil Fawzy (IIP);Eng. Essam Barakat (IAS); T. Ley (EPIQ)
28 May	Briefing on IIP Assessment and Strategy	MPWWR	Eng. Hussein El Atfi (MPWWR); T. Ley (EPIQ)
28 May	Briefing on IIP Assessment and Strategy	MPWWR	Dr. Abdel Fattah Metawie (MPWWR); T. Ley (EPIQ)
28 May	Briefing on IIP Assessment and Strategy	NWRC	Dr. Mona El Kady (NWRC); T. Ley (EPIQ)
31 May	Briefing on IIP Assessment and Strategy	MPWWR	Eng. Abdel Rahman Shalaby (MPWWR); T. Ley (EPIQ)
31 May	Briefing on IIP Assessment and Strategy	MPWWR	Eng. Yehia Abdel Aziz (MPWWR); T. Ley (EPIQ)
3-4 June	APRP Tranche III Benchmark Planning Workshop	Abu Sultan	EPIQ TA Team; APRP TA Units USAID staff WPAU; PPC
7 Jun	Briefing on IIP Assessment and Strategy	IIP Hdqtrs.	Eng.Nabil Fawzy (IIP); Eng. Essam Barakat (IAS); T. Ley (EPIQ)
8 Jun	Briefing on IIP Assessment and Strategy	MPWWR	Eng. Gamil Mahmoud (WPAU); T. Ley (EPIQ)

Date	Location	Purpose	Persons Met
8 Jun	Briefing on IIP Assessment and Strategy	MPWWR	Eng. Sarwat Fahmy (WPAU); T. Ley (EPIQ)
8 June	Desouk district	Check on the rice transplanting dates and observing water measurements on Sedi-Gamee Canal	Dr. J. Fredericks (EPIQ); Dr. Mahdy (EPIQ); Dr. Rizk (RRTC) Eng. Elwan and local staff (MPWWR); Agricultural staff
10 Jun	MPWWR	Discuss USAID and Water Policy Reform Programs for Jordan	J. Fredericks (EPIQ), Dr. Wadie (USAD), Bill Hoadly (USAID Jordan), Kussai Quteishat, (Secty Gen Ministry of Water and Irrigation)
13 -26 Jun	Egypt	EPIQ review	R. Misheloff (EPIQ Policy Advisor, Wash D.C.)
14 Jun	Briefing on IIP Assessment and Strategy	MPWWR	Eng. Abdel Rahman Shalaby (MPWWR); Eng. Hussein El Atfi (MPWWR); T. Ley (EPIQ)
14 Jun	Briefing on IIP Assessment and Strategy	MPWWR	Eng. Yehia Abdel Aziz (MPWWR); T. Ley (EPIQ)
14 Jun	Briefing on IIP Assessment and Strategy	Maadi	Dr. Daa El Quossy (NWRC); T. Ley (EPIQ)
16-17 Jun	Tranche II BM Workshop	Hurghada	HE Minister Dr. Abu Zeid (MPWWR); EPIQ TA team; Steering Committee; WPAU; USAID; APRP COPs

VI. STAFF LEVEL OF EFFORT

Name	Position	Arrival	Departure	Reporting Period (pm)	Cumulative (pm)
Expatriate Long Term TA					
Dr. Jeff Fredericks	Chief of Party	25 Jan 98	30 Sep 99	3	5.1
Thomas Burola	Administrative Officer	12 Jun 97	11 June 99	3	12.60
Dr. Thomas Ley	Senior Irrigation Engineer Acting Team Leader	20 Jun 97	30 Sep 99	3	12.33
Dr. Zhongping Zhu	Senior Water Resources Engineer	13 Jun 97	12 June 99	3	12.60
Dr. John Keith	Senior Water Economist	1 Feb 98	30 Sep 99	3	5
Dr. Robert Cardinalli	Senior Sociologist	20 Mar 98	30 Sep 99	3	3.9
Egyptian Long Term TA					
Dr. Ahmed Fakhry Khattab	Co-Team Leader	1 Aug 97	31 Jul 98	3	11
Dr. Ibrahim Ellassiouti	Senior Water Resources Mgmt. Specialist	1 Aug 97	31 Jul 98	3	11
Eng. Saleh Nour	Senior Hydrogeologist	1 Sept. 97	31 Aug 98	3	11
Dr. El-Sayed Mahdy	Economist	1 Mar 98	28 Feb 99		4
Eng. Ragab Abdel Azim	Drainage Engineer	1 Feb 98	31 Jan 99	3	5
Expatriate Short Term TA					
Dr. Mike Rock	Technical Coordinator	3 May 98	15 May 98	.5	0.75
Dr. Jack Keller	Senior Irrigation Engineer	29 Apr 98	11 May 98	.5	1.25
Dr. Robert Young	Senior Economist	May 98	May 98	.5	0.75
Dr. Max Lowdermilk	Senior Participation Specialist	6 Feb 98	5 May 98	2.8	3
Egyptian Short Term					
Eng. Essam Barakat	Senior Irrigation Participation Specialist	1 Mar 98	30 June 98	1.33	2.33
En. Hassan Shouman	Irrigation Legal Specialist	20 April 98	15 May 98	0.25	0.25
Dr. Sofwat	Senior Drainage Specialist	10 May 98	30 June 98	1.0	1.0
Dr. Mohamed	Senior Water Resource	As required	As required		

Name	Position	Arrival	Departure	Reporting Period (pm)	Cumulative (pm)
Allam	Specialist				
Egyptian Admin Staff					
Karim Abdel Razik	Administrator	15 Sept. 97	14 Sept. 98	3	9.5
Foaz El Mona Fouad	Executive secretary	15 Sept. 97	14 Sept. 98	3	9.5
Jacqueline Rizk	Accountant	3 Aug. 97	2 Aug. 98	3	11
Amira Serry	Secretary	14 Dec. 97	13 Dec. 98	3	6.5
Kalid Mokhtar	Messenger	1 Oct. 97	30 Sept. 98	3	9
Akmed Mahmoud	Messenger	20 Nov. 97	19 Nov. 98	3	10.2
Saeed Maebed	Driver	12 Feb. 98	11 Feb. 99	3	4.8
Adel Moustafa	Driver	17 Feb. 98	16 Feb. 99	3	4.5

VII. STATUS OF FINANCES AND EXPENDITURES

Financial summary for 2nd quarter (1 April – 30 June 1998)

Category	Budget Amount (US\$)	Total through Last Period (US\$)	Expenditures This Period (US\$)	Cumulative Amount (US\$)	Remaining Amount (US\$)	Percent Expended (%)
Direct Labor	2,509,512	251,064	190,028	441,092	2,068,420	18
Labor Multiplier	2,760,463	273,402	205,233	478,635	2,281,828	17
Subtotal Labor Costs	5,269,975	524,466	395,261	919,727	4,350,248	17
Materials and Other Direct Costs	2,729,079	476,326	146,762	623,088	2,105,991	23
Total	7,999,054	1,000,792	542,023	1,542,815	6,456,239	19