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OPERATIONS AND MAINTENANCE
TRAINING PROJECT

ANNUAL PROGRESS REPORT – YEAR 4/2012

QUARTELY PROGRESS REPORT – 18

JULY - SEPTEMBER 2012

USAID OPERATIONS AND MAINTENANCE TRAINING PROJECT

October 2012

This document was produced for review by the United States Agency for International Development. It was prepared by Chemonics International Inc.

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Contract No. EPP-I-00-04-00020-00

Prepared by Chemonics International Inc.

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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JORDAN/OMT PROJECT: YEAR 4/QUARTER 18 HIGHLIGHTS



مركز الاعتماد وضبط الجودة
CENTER OF ACCREDITATION
AND QUALITY ASSURANCE

CAQA Bylaw Fully Enacted

In September 2012, the Center for Accreditation and Quality Assurance (CAQA) bylaw passed through the final steps of the Jordanian legal process and CAQA became fully empowered to issue licenses to Training Providers, accredit training programs and issue certificates (licenses) to operators who pass tests sanctioned/administered by CAQA.

Although the final version of the CAQA bylaw does not empower the CAQA to identify vocations and/or sectors for which certification should be mandatory, the bylaw does provide the mechanism for legal accreditation of the training programs encompassed by the Jordan Water Operators Certification Program:

1. Water Treatment (4 levels)
2. Water Distribution (3 levels)
3. Wastewater Treatment (4 levels)
4. Wastewater Collection (4 levels)
5. Utility Management (1 level)
6. Capacity Building – TOT, ISD, OJT-PIP

CAQA licensed Al Balqa' Applied University (BAU) as a training provider for the Jordan operators program; all six training programs were certified; and the test results for 450 operator graduates were recognized. Operator certificates (licenses) will be issued at ceremonies to be conducted with USAID in October 2012.

The OMT project worked closely with CAQA and supported capacity building so that CAQA can perform its functions as the certification authority in Jordan efficiently and accurately.

Training Development – Courses and Tests

The standardized sets of training materials and tests for each of the 19 courses/levels in the certified programs include trainee guides, trainer guides and visual aids that were completed in Year 4. These sets cover 577 total instructional hours of training materials. The operator and manager courses were adapted and translated to Arabic for use in Jordan with permission from the Office of Water Programs at California State University at Sacramento. Two sets of tests (100 multiple choice questions) were developed for the operator and manager courses totaling 3,200 tests items while an additional 300 items were developed for capacity building. All materials are in the final stage of professional formatting a graphics.



برنامج إجازة المزاولة لمشغلي المياه
WATER OPERATORS CERTIFICATION PROGRAM

Jordan Program Sustainability

To meet the challenges of program sustainability, the OMT project organized a series of sustainability awareness and planning activities to ensure that critical legal, institutional, financial and administrative issues could be fully addressed by all key partners and stakeholders.

In July 2012, the OMT project conducted a two-day sustainability workshop to perform a comprehensive review of the current status of the Jordan Water Operators Certification Program to ensure a smooth and sustainable turnover to local partners. A detailed Sustainability Action Plan was prepared for adoption by institutional decision-makers to secure the on-going institutional and financial support required for long-term future operations and sustainability.

Commercialization Support

In September, all local and regional awareness activities were completed. Over Year 4 fifteen local and two regional events were conducted to build understanding and support for operator certification. Events were conducted for the water sector, related interest groups and private training providers. In addition to extensive capacity building including promotional materials, web site support and conference sponsorship, ACWUA, the recognized Regional Training Marketer, will receive a complete set of training materials and tests for regional implementation.

Monitoring & Evaluation

The OMT Project implemented a complete system and tools to assess performance for ongoing use by the Jordan Program including:

- Training Impact Assessments (TIA) – Pre/Post training and Six-Month back on the job operator and supervisor surveys and interviews
- Knowledge, Attitude and Practice Survey (KAP) – National: 1400 total interviews
- Water/Wastewater Facilities O&M Surveys:
 - Treatment Plants – 11 sites
 - Networks – 22 sites

KEY OMT PROJECT STAKEHOLDERS

As a sectoral activity, the OMT Project has implemented a highly inclusive process to engage key governmental, private, and professional institutions. A summary of key stakeholders is shown below.

- USAID/Water Resources and Environment (WRE).
- OMT Project Steering Committee.
- Ministry of Water and Irrigation.
- Water Authority of Jordan.
- Jordan Water Company (Miyahuna).
- Aqaba Water Company.
- Yarmouk Water Company (formerly Northern Governorates Water Administration).
- Employment, Technical and Vocational Education and Training Council (E-TVET).
- E-TVET Council – Accreditation and Quality Assurance Center (CAQA).
- Vocational Training Corporation (VTC).
- Water/Wastewater Services Sector Team (WWSST; Acting Board).
- Al-Balqa' Applied University (BAU).
- Arab Countries Water Utilities Association (ACUWA).
- Wadi Ma'in Zara Mujib Treatment Plant/ Miyahuna Water Company.
- Samra Wastewater Treatment Plant.
- Zai Water Treatment Plant/ Miyahuna Water Company.
- National Institute for Training of Trainers.
- Jordan Engineers Association (JEA).
- European Community (EU).
- Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) formerly GTZ & the GTZ/HRM Project.
- USAID-funded IDARA Project.
- INP2 – USAID/West Bank & Gaza
- UNDP – Iraq (Amman Office)
- Afghan Embassy - Amman
- Economic Opportunities for Jordanian Youth (INJAZ) Program.
- Office of Water Programs (OWP), California State University Sacramento (CSUS).
- Association of Boards of Certification (ABC)
- Delaware Technical and Community College (DTCC)
- USAID Further Advancing the Blue Revolution Initiative (FABRI) Project
- Jordan Hotels Association
- The General Directorate Of Jordan Civil Defense
- The Jordanian Armed Forces
- Jordanian Gendarme Forces
- Public Security Directorate

MAJOR MEETINGS – QUARTER 18 (JULY – SEPT 2012)

Summary of Major OMT Meetings - Quarter 18			
Date	Partner	Subject	Attendees
3-July	CAQA	Discuss OMT support for CAQA : furnishing meeting room, CAQA by-law booklet printing and distribution.	Mohammad Khair Irshaid, Zaid Qaisi, Majed Quteishat, Diala Hanania, Rana Zu'bi and Adi Najjar
Jul, 5	CAQA, BAU	Determine the requirements of trainees records and documents, AWC as a pilot	Zaid Qaisi, CAQA Abdallah Nsoor, BAU Ashraf Sha'er, BAU Samer Bdour, AWC Majed Alqtaishat, OMT Rana Zoubi, OMT Diala Hanania, OMT
Jul, 11	CAQA, BAU	Discuss: <ul style="list-style-type: none"> • CAQA by-law in terms of the training provider/administrator role, and CAQA's assumption of its mandate starting with the receipt of accreditation applications from training providers. <p>CAQA website and equipment.</p>	Mohammad Irshaid, CAQA Dir. Zaid Qaisi, CAQA Bassim Abbasi, BAU Aiman Bani Hani, USAID George Rizkallah, OMT Adi Najjar, OMT Majed Alqtaishat, OMT
Jul., 13	HO, FO	COP Orientation	Howard Sokolof, Nick Francisco, and Zach Boronphol
17&18- Jul.	USAID, WAJ, AWC, Miyahuna, Yarmouk WC, CAQA, BAU, ACWUA	Jordan Water Operator Certification Program Sustainability Workshop.	Representative from all partner organizations.
Jul, 19	BAU	Discuss and prepare the coaching plan for conducting the training courses and review the progress of TMIS	Bassim Abbassi, BAU Abdallah Nsoor, BAU Ashraf Sha'er, BAU Mohammad Nsoor, BAU Khetam Khrisat, BAU Majed Alqtaishat, OMT Rana Zoubi, OMT Dial Hanania, OMT
Jul., 23	CAQA	E-TVET and Jordan Certification levels terminology equivalence.	Mohammad Irshaid, Zaid Qaisi, Majed Quteishat and Adi Najjar
Aug., 8	USAID	<ul style="list-style-type: none"> • OMT Inventory and equipment dissemination • Certification Ceremony • Certification Test Fees payable to CAQA • Proposed Mandatory addendum • Network Survey Report • OMT Video. 	Aiman Bani Hani USAID Adi Najjar OMT Majed Qteishat Zachary Borrenpohl Elham Musa
Aug.12	ACWUA	<ul style="list-style-type: none"> • Regional & ABC Certification for the certified Jordanian operators. • MENA Region Strong Supporters for ACWUA • Mandatory VS Voluntary certification 	Khaldoun Khashman ACWUA Mustafa Naser Eddin Adi Najjar OMT

Summary of Major OMT Meetings - Quarter 18

Date	Partner	Subject	Attendees
Aug, 13	BAU	Discuss BAU situation as a training provider, Sustainability Action Plan (SAP – MTP) progress and needed equipments	Bassim Abbassi, BAU Adi Najjar OMT Majed Alqtaishat Zachary Borrenpohl
Aug, 28	BAU	Discuss BAU role and progress as Training Provider and BAU MTP requirements.	Bassim Abbassi BAU Abdullah N'sour Adi Najjar OMT Majed Alqtaishat Zachary Borrenpohl
Aug, 29	ACWUA	ACWUA Capacity Building Workshop	Khaldon Khashman ACWUA SG ACWUA Staff Nancy Burns OMT Majed Alqtaishat
Sept. 5	USAID	<ul style="list-style-type: none"> • Ceremony at AWC • Ceremony at Zai • Demobilization Plan approval • Media Coverage and USAID approvals • Component III deliverables • Networks Survey edits/recommendations • Draft Final Report • MWI By-law amendment • ISSP support of the Jordan Operator Certification Program-Update 	Dr. Aiman Bani-Hani USAID Adi Najjar OMT Majed Qutaishat, Elham Musa, Zachary Borrenpohl
Sept. 13	MWI	Mandatory Certification Addendum to MWI By-law	MWI Legal Advisor Majed Qutaishat OMT Adi Najjar
Sept.19	USAID, ISSP	ISSP support for Certification Program sustainability	Aiman Bani Hani USAID Zach Borrenpohl OMT Majed Quteishat Adi Najjar ISSP COP and Staff

KEY ACTIVITIES PLANNED FOR QUARTER 19 (OCT/NOV 2012)

OMT has summarized key activities planned for the final months of October and November 2012 below:

QUARTER 19 ACTIVITIES:

Component 1 – Certification Policy, Institutional Strengthening, and Capacity Building

- Convene final CAQA/WWSST meetings to transfer the Jordan Water Operators Certification Program to local partners.
- Complete implementation of all administrative, training, finance and TMIS processes and procedures with partners.
- Conduct Certification Ceremony for operators from WAJ, Miyahuna, Yarmouk and Aqaba Water Companies

Component 2 – Training Development

- Complete and submit all training courses and tests in final publication and graphics format.
- Follow up vendor meeting for donations of training materials and equipment.

Component 3 – Commercialization, Regional Marketing and Sustainability

- Finalize website assistance with CAQA/WWSST and ACWUA.

Component 4 – Performance Impacts on Improved Operations and Maintenance

- Complete KAO Study and Training Impact Assessment process and submit reports.

FINANCIAL SUMMARY

A modification (Mod 6) to the OMT contract was concluded with USAID in December 2010. This changes the contract ceiling from \$4,945,691 to \$7,413,582 with no change in the project completion date of September 2012. On July 26, 2012 the COR granted the contract a 60 day administrative extension, deferring the end date of the project to November 2012.

The financial table below reflects the funding levels based on the current obligated and total contract funding.

Contract Summary Budget

Line Item	Contract Budget	Total Costs Incurred as of June 2012	Costs Incurred July 2012	Costs Incurred August 2012	Estimated Costs Incurred September 2012	Total Costs Incurred as of September 2012	Total Funds Remaining
I. For Workdays (LOE) Ordered (Salaries)	\$1,251,573	\$911,032	\$37,648	\$25,697	\$21,863	\$996,241	
II. Other Direct Costs	\$4,115,995	\$3,676,608	\$185,362	\$155,265	\$114,591	\$4,195,960	
III. Indirect Costs (Overhead, G&A & Fringe)	\$1,595,216	\$1,336,791	\$55,098	\$36,262	\$28,915	\$1,392,932	
Subtotal, Items I-III	\$6,962,784	\$5,924,431	\$278,108	\$217,224	\$165,369	\$6,585,133	
IV Fixed Fee	\$450,797	\$386,003	\$18,020	\$14,093	\$10,698	\$428,814	
Grand Total	\$7,413,581	\$6,310,434	\$296,128	\$231,317	\$176,067	\$7,013,947	\$399,634

OMT PERFORMANCE MONITORING PLAN: RESULTS THROUGH QUARTER 18

This section provides a quarterly update of progress in defining PMP targets and achieving results.

*The OMT Project applies the Instructional Systems Design (ISD) approach to all steps in the process of delivering training. ISD is a five-stage: Analysis, Design, Development, Implementation, and Evaluation. The OMT PMP and Work Plan utilize ISD concepts and terminology to add precision, especially to indicators and targets.

OMT Performance Monitoring Plan (PMP)						
Indicator Title	Definition	Target 2011	Results 2011	Disaggregation	Planned Target 2012	Results through September 2012 (Cumulative)
SO 8: ENHANCED INTEGRATED WATER RESOURCES MANAGEMENT						
Program Goal (PG): Improved performance of water and wastewater treatment plant operations through the establishment of a sustainable optimized certification and training system for sector employees in Jordan						
PIR 1: Policy/Regulatory Environment Strengthened to Support Standardized Training and Certification - OMT Component 1						
KRA 1.1: Knowledge and application of best practices for water and wastewater facilities O&M increased						
Indicator 1.1: Standard O&M procedures (SOMP) completed for current water and wastewater treatment operations	A complete set of water and wastewater treatment SOMP's were collected based on the ABC need-to-know criteria and provided to the Water Information Center/WAJ library.	Complete - 2009	N.A.	N.A.	N.A.	All data reported here is sourced from the OMT Project
KRA 1.2: Improved policies and regulations establishing certification requirements						
Milestone 1.1: Final version of certification policy and regulations presented to appropriate decision-makers for approval	Certification policy approved by the WWSST, the E-TVET Council/Ministry of Labor and AQAC.	Approved	Complete	Accreditation pending Legislative Council approval of AQAC by-law	N.A.	Accreditation pending Legislative Council approval of AQAC by-law
KRA 1.3: Capacity of local institutions involved in certification program strengthened						
Milestone 1.2: Board of Certification (BOC) created	Water/Wastewater Sector Services Team (WWSST) formed by AQAC/E-TVET Council with responsibilities of BOC.	Complete - 2010	N.A.	Male: 11 ; Female: 1	N.A.	N.A.
Indicator 2: Water/wastewater sector employees passing certification tests	Percentage of trainees passing certification tests	75%	WTP 89.50% / WWTP 93.86%	Male: 65 ; Female: 4	75%	91.3% (through Sept. 2012)
PIR 2: Quality of Training Provided for O&M of Water and Wastewater Facilities Optimized - OMT Component 2						
KRA 2.1: Training materials improved to reflect best practices and certification requirements						
Indicator 2.1: Number of certification programs designed	Certification Programs: Water Treatment; Wastewater Treatment; Water Distribution; Wastewater Collection; Utility Management	5	5	N.A.	0	N.A.
Indicator 2.2: Number of certification courses and tests developed as per curricula designs	Number of certification courses for which training materials are developed by level. (13 Levels Total: 8 WT & WWT; 4 WD & WW; 1 UM)	Total 8 2 Complete in 2010 (WT: Level 1; WWT: Level 1) & 6 to be completed in 2011 (WT: Level 2, 3, 4; WWT: Level 2, 3, 4) and 2 to start in 2011 and be completed in 2012 (WT: Level 1; WWT: Level 1)	6 courses completed in 2011 (WT: Level 2, 3, 4; WWT: Level 2, 3, 4)	N.A.	6 courses to be completed (WD: Level 1, 2, 3; WW: Level 1, 2; UM Level 1)	17 total courses completed (WTO Level 1,2,3,4; WWTO Level 1,2,3,4; WD Level 1, 2, 3; WW Level 1, 2; UM Level 1; CB 1,2,3)
KRA 2.2: Training skills of trainers improved (training provider personnel)						
Indicator 2.3: Number of qualified trainers who have passed the training-of-trainer program	Number of qualified operators who have attended and successfully passed the formal TOT course conducted by the OMT project.	9 Graduates in 2011 12 TOT Graduates in 2009 & 2010	12 Graduates in 2011 Cumulative Graduates 24	Male: 12 ; Female: 4	16 Graduate in 2012 / Cumulative Graduates 37	16 graduate (15 Male / 1 Female) Total Graduate June 2012 is 37 Trainers
Indicator 2.4: Number of qualified training development specialists who have passed the instructional systems development (ISD) program	Number of qualified operators who have attended and successfully passed the formal ISD course conducted by the OMT project.	14 Graduates in 2011 12 ISD Graduates in 2010	14 Graduates in 2011 / Cumulative Graduate 26	Male: 11 ; Female: 3	0 Graduates in 2012 / Cumulative Graduates 26	N.A. (No ISD Training was conducted) - 16 Graduates from OJ-PIP; Cumulative Total Graduates is 26

PIR 3: Water Sector Training Strengthened by Operating on Sustainable Commercial Principles - OMT Component 3						
KRA 3.1: Revenues collected to sustain program operations						
Indicator 3.1: Revenue collected by the Regional Training Marketer (RTM)	Total amount of certification-related training fees collected by RTM stated as a percentage of actual operating costs.	0	0	N.A.	TBD	No action was planned for this indicator
Indicator 3.2: Revenue collected by the Board of Certification (BOC)	Total amount of certification-related training fees collected by WWSSST via Al Balqa' Applied University (BAU) stated as a percentage of actual operating costs.	0	0	N.A.	TBD	No action was planned for this indicator
KRA 3.2: Expanded availability of high quality training programs						
Indicator 3.3: Number of Jordanian trainees completing certification training	Total number of Jordanian trainees attending operator certification courses.	Total 54 participants (Zai 17, AWC repeat 13, WAJ 11 grandfathering & Yarmouk Repeat 13)	Total Participants through Sept 2011: 54 participants	Male: 52 ; Female: 2	Total 180 participants (12 Trainees X 15 Courses)	381 Trainees (Through Sept 2012) - including 25 operators who participated in Grandfathering
Indicator 3.4: Number of regional trainees completing certification training	Total number of regional trainees attending operator certification courses.	0	0	Male: 0 ; Female: 0	TBD	No action was planned for this indicator
Indicator 3.5: Number of certification courses (trainings) offered in Jordan for local operators	Total number of operator certification courses (trainings) conducted for Jordanian operators.	4 Courses (trainings) as mentioned above	4 Courses (trainings)	WT: 3 ; WWT: 1	Total 15 Courses (trainings)	20 Training Courses (During 2012); 29 Cumulative Courses
Indicator 3.6: Number of certification courses (trainings) offered regionally for non-Jordanian operators	Total number of operator certification courses (trainings) conducted for regional operators.	0	0	WT: 0 ; WWT: 0	TBD	No action was planned for this indicator
KRA 3.3: Institutional capability to respond to regional training demand enhanced						
Milestone 3.1: Regional Training Marketer (RTM) identified	MOU 1 signed between OMT and RTM (ACWUA)	Complete	Complete	MOU1 agreed with ACWUA in 2011	MOU 2 signed between WWSSST and RTM (ACWUA)	MOU1 agreed with ACWUA in 2011
Milestone 3.2: Jordanian Training Marketer (JTM) identified	MOU 1 signed between OMT and JTM (BAU)	Complete	Complete	N.A.	MOU 2 signed between WWSSST and JTM (BAU)	MOU1 agreed with BAU in 2010
PIR 4: Water and Wastewater Treatment Facilities Performance Enhanced - OMT Component 4						
KRA 4.1: Institutional and sectoral capacities to measure training impacts improved						
Milestone 4.1: Training Impact Assessment (TIA) established	TIA procedures finalized, data collected and TIA reports for pilots complete	On-Going	On-Going	N.A.	Complete	N.A.
Milestone 4.2: Knowledge, Attitude and Practices (KAP) Survey established	KAP procedures finalized, KAP data collection implemented and KAP study report complete	On-Going	On-Going	N.A.	Complete	N.A.
Milestone 4.3: Facility Survey established	Facility Survey Report for designated Jordanian water and wastewater treatment and networks sites complete	N.A.	On-Going	N.A.	Treatment Plants Complete	Networks Completed
KRA 4.2: Operation and Maintenance at Water Treatment Facilities Improved						
Indicator 4.1: O&M performance improved as demonstrated by specific quantifiable measures	Total number of Jordanian sites where certification training has been implemented reporting annual impact data stated as a percentage. Specific performance data provided in appropriate TIA reports.	2	2	WT: 1 ; WWT: 1	Total 7: 2 Miyhuna; 2 AWC; 2 Yarmouk; 1 WAJ	Total 7; Detailed performance improvements are available in TIA reports.

Project Name: OMT - Target and Results for 2011 (through 30 September) and Planned Targets for 2012

	Intermediate Result	Target for 2011	Actual Results 2011	Target for 2012
1	3.1.8-24 Number of people in target areas with improved access to drinking water supply as a result of USG assistance	N/A	N/A	N/A
	3.1.8-24a Number of men			
	3.1.8-24b Number of women			
2	3.1.8-23 Number of people in target areas with improved access to sanitation facilities as a result of USG assistance	N/A	N/A	N/A
	3.1.8-23a Number of men			
	3.1.8-23b Number of women			
3	Number of baseline feasibility studies prepared by USG	N/A	N/A	N/A
4	Number of host country institutions with improved management information systems as a result of USG assistance	N/A	N/A	1
5	Number of information gathering or research activities conducted by USG	Training Impact Assessments - Total of 3	Training Impact Assessments - Total of 4	Training Impact Assessments - Total of 8
6	Number of people trained in natural resources management and/or biodiversity conservation as a result of USG assistance	N/A	N/A	N/A
7	Number of people with increased economic benefits derived from sustainable natural resource management and conservation as a result of USG assistance	N/A	N/A	N/A
8	Number of rural households benefiting directly from USG interventions	N/A	N/A	N/A
9	4.8.2-3 Number of improved laws/policies/regulation/agreements related to pollution and urban environment drafted with USG assistance	Operator Certification Policy - Total 1	Operator Certification Policy - Total 1	Operator Certification Policy - Total 1
10	4.8.2-5 Number of people receiving USG supported training in environmental law, enforcement, public participation, and cleaner production policies, strategies, skills, and techniques	100 - Trainees	111 - Trainees	235 - Trainees
	4.8.2-5a number of men	95	104	224
	4.8.2-5b number of women	5	5	11

SUMMARY OF PROJECT ACTIVITIES THROUGH QUARTER 18 (MAY 2008 – SEPTEMBER 2012)

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)			
Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
Reporting			
1. Work Plan 2. PMP	Year 1; Year 2; Year 3; Year 4 Year 1; Year 2; Year 3; Year 4	Complete Complete	1. Submitted to USAID 2. Submitted to USAID
I. Policy and Regulatory Environment Strengthened to Support Standardized Training and Certification (PIR 1)			
1.1.	<p>1. Knowledge/Application of Best Practices for Water/Wastewater O&M Increased (KRA 1.1)</p> <p>2. Assess Best Practices/Standard O&M procedures (SOMPs)</p> <p>3. Develop Best Practices/SOMPs</p> <p>4. Validate and approve Best Practices/SOMPs</p>	<p>Complete</p> <p>Complete</p> <p>Complete</p> <p>N/A</p>	<p>1. Collection of appropriate SOMPs was completed in Year 1. These were used as the basis for the need-to-know assessment.</p> <p>2. A team of OMT engineers was engaged in collecting, evaluating and selecting SOMPs from US, international and Jordanian sources to serve as a basis for determining the 'need-to-know' criteria for water/wastewater operator training programs.</p> <p>This activity has resulted in a comprehensive set of SOMP reference materials which will be made available to the Water Information Center/WAJ.</p> <p>OMT drafted the SOMP protocol between USAID/OMT and GTZ/TRM for review and signature. GTZ has taken the responsibility to coordinate and conclude this agreement.</p> <p>As a result of finalizing water and wastewater curriculum outlines, a limited number of new SOMPs were identified for development based on technologies in use in Jordan. Analysis of training needs to design the W/WW curriculum outlines was completed</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
		5. Analyze training needs from Best Practices/SOMPs	Complete	
1.2.	Improved Policies/Regulations Establishing Certification Requirements (KRA 1.2)	1. Strategy Agreement*	Complete	<p>1. OMT facilitated numerous meetings to focus attention and gather inputs from concerned project and donor representatives on specific certification policy issue. Results were documented in meeting reports. The reports will be used as a departure point for policy development activities planned for the coming quarter.</p> <p>In October 2008, OMT secured Dr. Rabab Al Tal to provide legal services and conduct a comprehensive review of the prevailing laws associated with the certification policy and program.</p>
		2. Consolidate government structure for certification	Complete	<p>2. Significant effort was dedicated to identifying an accurate, appropriate institutional framework for the envisioned certification program roles and functions. A series of contacts was initiated with external stakeholders during the quarter as reported in the Major Meetings section above. Key among these has been the on-going sessions with the Ministry of Labor.</p> <p>MOUs to obtain the commitment of the E-TVET Council/ Accreditation and Quality Assurance Center; Al Balqa' Applied University; and, ACWUA have been concluded.</p>
		3. Design of certification scheme	Complete	<p>3. The final version of the <u>Policy Framework for the Certification of Operators in the Water Sector</u> was completed in March 2009. This document includes the design of the certification scheme.</p>
		4. Develop certification policy document for approval	Complete	<p>4. The final/pilot version of the <u>Policy Framework for the Certification of Operators in the Water Sector</u> was submitted to the E-TVET Council and the Center for</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p>Accreditation and Quality Assurance (CAQA) for review and comment. In Quarter 5, the E-TVET Council/Minister of Labour formally agreed to partner with OMT and the W/WW operator certification program.</p> <p>During Quarter 6, numerous meetings were held with CAQA covering the policy framework, creation of the board, and, the CAQA regulation.</p> <p>Agreement from the CAQA to use the policy framework on a pilot basis was received in Quarter 7.</p> <p>Discussion continued with the CAQA in Quarter 8 focusing on the sections of the policy framework concerned with establishment of the BOC. In March 2010, the CAQA approved the establishment of the Water/Wastewater Services Sector Team to act as the BOC on an interim basis.</p> <p>The WWSST began meeting in Quarter 8. Review of the policy is a top priority. In Year 3, the policy will be revised as required and submitted to the CAQA for approval. This approval will constitute the accreditation of the W/WW Operator Certification Program.</p> <p>In Quarter 11, the <u>Policy Framework for the Certification of Operators in the Water Sector</u> was presented to the WWSST. The policy was thoroughly explained by OMT and discussed with the WWSST. OMT was informed in writing by the WWSST that the policy will be further reviewed and comments will be provided when available.</p> <p>Review continued in Quarter 12, and in Quarter 13, the <u>Policy Framework for the Certification of Operators in</u></p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p>the <u>Water Sector</u> was approved by the WWSST and based on direction received at a meeting in May with the Minister of Labour, in June the policy was submitted to the E-TVET Council where it was also approved for implementation.</p> <p>In Quarter 13, the Secretary General/WAJ issued a sector-wide instruction making compliance with the requirements of the Jordan Water Operators Certification Program mandatory for all treatment and networks operators.</p> <p>In Quarter 15, development of procedures related to the policy was underway for WWSST review, approval and implementation.</p> <p>Lobbying efforts regarding approval of the CAQA by-law were continued in Quarter 15 during which a new Minister of Water and a new Minister of Labor were appointed. These changes require that OMT restart its familiarization and lobbying efforts with these now key officials. These activities will be continued in Quarter 16.</p> <p>In Quarter 15, OMT and USAID agreed that if there is no progress by March 2012, USAID and OMT will approach the E-TVET Council to grant provisional accreditation to the Jordan Water Operators Certification Program. It is understood that it is within the authority of the E-TVET Council to take such action.</p> <p>In Quarter 17, the CAQA bylaw passed through the legal review process and was published in the Official Gazette for public review. The roles of partners re. testing and program administration/record-keeping as specified policy required revision based on the bylaw.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
				In Quarter 18, the CAQA bylaw was fully enacted. The Jordan program policy and institutional framework was updated to accurately show partner roles and responsibilities. All other aspects of the policy as approved by the E-TVET Council remain unchanged and in force.
1.3	Capacity of Local Institutions Involved in Certification Program Strengthened (KRA 1.3)	<p>1. Identification of an organization to serve as <u>Certification Body</u> and training of employees involved in O&M training.</p> <p>2. Build capacity of the Water/Wastewater Services Sector Team (W/WWSSST) serving as interim <u>Board of Certification</u> (BOC).</p>	<p>Complete</p> <p>Complete</p>	<p>1. The new Center for Accreditation and Quality Assurance (CAQA) being created under the reform of the Ministry of Labor was secured as the Certification Body with authority to issue certificates for the W/WW Operator Certification Program.</p> <p>An MOU to designate the Center as the certification body within the institutional framework was signed in Quarter 5 by the E-TVET Council/Minister of Labour.</p> <p>2. At the first OMT steering committee meeting in August 2008, it was agreed that the committee would serve as the BOC until a formal board could be established. This approach will allowed decision-making for the certification scheme and policy to proceed without undue complication.</p> <p>The draft <u>Policy Framework for the Certification of Operators in the Water Sector</u> includes the composition of the Board. When the policy framework is approved by the center, the Board will be officially established in accordance with the final composition.</p> <p>During Quarters 6 and 7, OMT developed an extensive 2-year Capacity Building Action Plan (CBAP) covering the needs of all key institutional partners. CBAP implementation was underway with current emphasis on defining the roles and responsibilities of each partner institution.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p>During Quarter 7, in October 2009, OMT successfully conducted an <u>Observational Study Tour 1 (OST 1)</u> to Delaware, USA for representatives from institutional partners to familiarize them with a fully functioning certification and training program.</p> <p>In Quarter 7, CAQA agreed to formation of a Water Group/Team to act as an interim board for the period of the pilot. Group members were identified in Quarter 8.</p> <p>During Quarter 8, a financial analysis to determine the fee structure of the certification and training program was initiated. The analysis was based on the operating costs and the revenues required for sustainability</p> <p>In March 2010, the CAQA approved the establishment of the Water/Wastewater Services Sector Team (WWSST) to act as the BOC on an interim basis.</p> <p>On 19 May 2010, the WWSST was officially convened with a kick-off orientation attended by the Secretary General/Ministry of Labor. The team will meet again in July 2010 to select the team leader. The team agreed to and did meet monthly.</p> <p>The capacity building action plan for the WWSST was implemented in Quarter 9 and will extend for the full duration of the OMT project. Review of the draft policy will be initiated by the team in Quarter 10. The final policy document was submitted to the CAQA for approval and associated accreditation.</p> <p>In Quarter 11, the WWSST was introduced to the <u>Policy Framework for the Certification of Operators in the</u></p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p><u>Water Sector</u> as well as the financial analysis to establish a fee structure for program sustainability.</p> <p>Through Quarter 14 close coordination was maintained with the WWSST as documented in the Meetings section of this report. Roles and responsibilities of the partners and procedures supporting policy implementation remained central areas of discussion.</p> <p>Coordination and planning with USAID for <u>OST 2</u> to the Office of Water Programs/California State University at Sacramento and the ABC Conference in Tampa, Florida in January 2012 was underway. The joint WWSST/USAID paper proposed to ABC was accepted for presentation at the ABC Conference and OST logistics were finalized. As with OST 1, participants are representatives from the WWSST and its institutional partners.</p> <p>In Quarter 15 – WWSST agreed in Meeting 7 to accept ACWUA to attend and participate in the WWSST meetings and activities as a member. WWSST and OMT updated the capacity Building Action Plan (CBAP) for the institutional partners to fulfill the implementation requirements. WWSST approved the Certification Procedures and Systems manual (SOPs) that was prepared jointly with BAU. Planning for the Training Management Information System (TMIS) was underway with BAU. WWSST concurred on the pilot fee structure for the certification program at Meeting 8. Action to secure sector concurrence was initiated.</p> <p>In Quarter 16, an initial version of the Training Management Information System (TMIS) was developed with BAU and approved by WWSST for</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
	<p data-bbox="750 965 1146 992">Conduct Sustainability Workshop</p> <p data-bbox="721 1152 1086 1179">3. Build enforcement capacity.</p>	<p data-bbox="1294 965 1413 992">Complete</p> <p data-bbox="1294 1152 1413 1179">Complete</p>	<p data-bbox="1467 258 2134 502">implementation in Quarter 17. Organization charts, roles and responsibilities of the institutional partners (CAQA, WWSST, BAU, and ACWUA) were developed jointly and approved by the WWSST in Quarter 17. The water sector (WAJ, Miyahuna, AWC, and Yarmouk) concurred on the pilot fee structure for the certification program which was finalized in Quarter 17. CBAP implementation and Partners Coaching were underway.</p> <p data-bbox="1467 534 2049 625">In Quarter 17, BAU assumed the role of Program Administrator and established approved systems including the TMIS and operator files.</p> <p data-bbox="1467 657 2134 933">In Quarter 18, the role of the WWSST/Board was updated to be in line with the CAQA bylaw and provision for technical committees. CAQA licensed BAU as the Training Provider for the initial 2 years of the Jordan Program. In July at the Sustainability Workshop, a workable vision whereby the training departments of WAJ and the 3 water companies would develop their programs during the initial 2 years in order to also become licensed by CAQA as Training Providers.</p> <p data-bbox="1467 965 2134 1120">In July 2012/Quarter 18, OMT conducted a Sustainability Workshop to address all capacity building actions to be completed upon conclusion of the OMT Project (see Issues and Challenges Section of this report).</p> <p data-bbox="1467 1152 2134 1332">3. The legal review implemented as part of the policy formulation process determined that the W/WW Operator Certification Program will have enforcement and penalty authority derived from the following laws: <ul style="list-style-type: none"> <li data-bbox="1523 1276 2134 1332">• Employment, Technical and Vocational Education and Training Council; Law No. 46 of </p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<ul style="list-style-type: none"> • • 2008, Article 11; and • Water Authority Law No. 18 of 1988 and its amendments. <p>The draft <u>Policy Framework for the Certification of Operators in the Water Sector</u> includes articles identifying enforcement authority to be detailed by procedures.</p> <p>During Quarter 6, discussions were held with the CAQA regarding enforcement authority which is currently under that legal umbrella of the VTC. CAQA and VTC will determine which organization takes responsibility for the enforcement of certification in the water sector.</p> <p>Enforcement of the certification mandate will be a major consideration with the newly formed W/WWSST and will be supported by the OMT capacity building program. In Quarter 11, the WWSST began review of the <u>Policy Framework for the Certification of Operators in the Water Sector</u>. The policy includes provisions for developing enforcement procedures.</p> <p>In Quarter 13, the WAJ Secretary General issued a signed instruction making operator certification mandatory throughout the water and wastewater sector in Jordan.</p> <p>In Quarter 14, OMT intensified lobbying efforts with the MoL, MWI and private sector to obtain approval of the CAQA bylaw by the Office of the Prime Minister and the Legislative Council so that the Jordan program can be fully accredited and empowered.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p>These efforts were continued in Quarter 15 during which new Ministers of Water and Labor were appointed. These changes require that OMT restarts its familiarization and lobbying efforts with these now key officials. These activities will be continued in Quarter 16.</p> <p>In Quarter 15, OMT and USAID agreed that if there is no progress by March 2012, USAID and OMT will approach the E-TVET Council to grant provisional accreditation to the Jordan Water Operators Certification Program. It is understood that it is within the authority of the E-TVET Council to take such action.</p> <p>In Quarter 16, OMT presented a strategy for sustainability based on the establishment of a provisional Voluntary Certification Program that would function until the CAQA by-law was approved. Broadening the WAJ example, the water companies would also issue instructions making operator certification mandatory in accordance with the policies of the Jordan Program. WAJ and the companies would agree to pay the fees and BAU would assume its role as program administrator. This interim solution was still being reviewed by the WWSST at the end of the quarter.</p> <p>In Quarter 17, the CAQA bylaw was published in the Official Gazette for 90-day public review. The bylaw includes provisions for enforcement.</p> <p>In Quarter 18, the CAQA bylaw was fully enacted with clearly defined enforcement authority specifically regarding enforcement of standards for Training Providers. An addendum to the WAJ agreement with the 3 water was proposed whereby WAJ would expand</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
	4. Explore ISO 17024 certification.	Complete	<p>the mandatory requirement for operator already in place for WAJ employees to all operators at the water companies. When approved, WAJ will be authorized to enforce this compulsory certification requirement.</p> <p>4. Measures have been taken in the design of the water/wastewater certification policy document to ensure that the program will comply with the ISO requirements. In Quarter 6, OMT had started to coordinate with the ISO specialist at Chemonics headquarters in Washington, DC to this effect.</p> <p>As part of the capacity building action plan, OMT will encourage the CAQA to adopt ISO 17024 as the standard for awarding accreditation to certification programs in Jordan.</p> <p>In Quarter 12 with new resources available from the OMT amendment, Dr. Ziad Abu Hammateh was hired to fill the local ISO Specialist position.</p> <p>In Quarter 13, Dr. Ziad presented a summary of ISO 17024 for the CAQA and the WWSST with the intention of encouraging them to adopt the ISO criteria as the basis for certification in Jordan and to actively pursue ISO certification of the Jordan/MENA Water Operators Certification Program. Discussions on adopting ISO 17024 as the standard to be used by CAQA for all certification programs in Jordan continued throughout the quarter and additional presentations by Dr. Ziad were also requested.</p> <p>Development of draft documentation required to apply for ISO 17024 certification is underway. In Quarter 14, OMT was able to secure support from ABC in preparing</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p>for ISO 17024 certification. ABC is making similar application and will share what they have learned regarding ISO 17024 with participants at the ABC Conference/Jan 2012 during <u>OST2</u>.</p> <p>In Quarter 15, WWSST applied for ABC Membership. WWSST/CAQA and OMT discussed the value of ISO 17024 compliance and local/global accreditation, WWSST showed their interest to apply and obtain ISO 17024 and agreed to coordinate and participate in the documentation requirements with the OMT ISO 17024 specialist during the ABC conference 2012.</p> <p>In Quarter 16, at their annual conference in Tampa, Florida (<u>OST2</u>), ABC granted the Jordan Program full regulatory membership – the highest level of membership offered by ABC. At ABC, participants received an ISO 17024 briefing from Dr. Christine Niero/Professional Testing who described the rigorous and expensive ISO 17024 process. As ABC is currently applying for ISO 17024 certification, it was agreed that the Jordan Program would wait until ABC had received their certification and use ABC as a model for a future application.</p> <p>In Quarter 18, CAQA accredited the Jordan program thus accomplishing a vital step toward obtaining ISO 17024. In July 2012, at the Sustainability Workshop, it was agreed that the Jordan program would maintain a strong relationship with ABC and once ABC obtains ISO 17024, seek advice on applying for the same ISO certification.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
II. Quality of Training Provided for O&M of Water/Wastewater Facilities Optimized (PIR 2)				
2.1	Training Materials Improved to Reflect Best Practices & Certification Requirements (KRA 2.1)	1. Assess existing training programs	Complete	<p>1. Electronic versions of training programs in Arabic were received from Chemonics and Engicon. A new series of ABC-recommended water treatment certification training materials was added to the OMT reference library.</p> <p>Extensive coordination efforts have been undertaken with USAID projects in Egypt to acquire CSUS manuals translated to Arabic in the 1990s. In Quarter 5, it was confirmed that the materials had been located and copies would be sent to OMT. Upon receipt of these materials, they will be assessed for the relevance of their content and utilized accordingly in test and course development.</p>
		2. Design certification curricula.	Complete	<p>2. In February 2009 DTCC led workshops of local W/WW subject matter experts in the adaptation of the DTCC program for use in Jordan. The resulting W/WW curriculum outlines were further reviewed by Dr. Ken Kerri in March 2009. These draft outlines contain course objectives, content and durations for all levels of both the water and wastewater certification training programs. In Quarter 5, the WW curriculum outline was finalized; the W outline was finalized in Quarter 6.</p> <p>In June 2011/Quarter 13, brainstorming sessions were conducted to determine training needs for the new Utility Manager training and certification program added to OMT under the Amendment. The related curriculum outline was completed in Quarter 14.</p> <p>In Quarter 13, Steve Rohm/DTCC conducted two workshops to design the Water Distribution and Wastewater Collection Operator curriculum outlines which were finalized in Quarter 14 allowing development to begin on schedule in Quarter 15.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
	3. Develop Master Training Plan (MTP).	Complete	<p>In Quarter 14, Steve Rohm/DTCC conducted a workshop to design the Utility Management – Level 1 – (Supervisory) curriculum outline which was finalized in Quarter 14 allowing development to begin on schedule in Quarter 15.</p> <p>In Quarter 17, a draft curriculum was created for the new WD3 Non-Revenue Water Reduction course. It was finalized in Quarter 18.</p> <p>3. Debbie Horton developed the original MTP in Quarter 6 based on the final W/WW Curriculum Outlines. The MTP contains development, pilot implementation and roll-out schedules supporting the curriculum outlines. In Quarter 7 the MTP was updated to reflect actual implementation.</p> <p>In Quarter 13, Ms. Horton and the OMT team updated the MTP to reflect new programs added to OMT based on the Amendment. The MTP also shows the scheduled roll-out of training to be conducted by the WWSST with OMT support.</p> <p>OMT restarted training in September 2011/Quarter 14 after a break for coordination, Ramadan and associated holidays. Training is being conducted in all 3 Jordanian Water Companies and WAJ.</p> <p>In Quarter 15, USAID and OMT agreed to increase the number of trainings to be conducted at no additional cost to the OMT project. The MTP was updated to reflect the planned increase in repeat trainings and the implementation of new pilots.</p> <p>In Quarter 16 the MTP schedule implemented as per plan. The MTP was updated in Quarter 17. In Quarter 18 OMT assisted BAU in preparing their MTP.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
		4. Develop certification training materials.	<p>Complete</p> <p>4. In Quarter 9, Wastewater Level 1 (WW/L1) trainee, trainer and visual aids were completed in accordance with established OMT standards and templates for pilot testing at the Aqaba Water Company (AWC). In Quarter 10, based on the results of the pilot, the materials were revised. WW/L1 Edition 1 will be submitted to the WWSST for national roll-out in Year 3.</p> <p>In Quarter 11, development of Water Level 1 (W/L1) course was completed for pilot training at the Amman Water Company/Miyahuna in Quarter 12. WW/L1 was also completed for submission.</p> <p>In Quarter 12, W/L1 was completed and piloted at Zai treatment plant. In addition WW/L2 and W/2 were drafted.</p> <p>In Quarter 14, pilot versions of courses for all four levels of both water and wastewater treatment were completed.</p> <p>Development of Water Distribution and Wastewater Collection commenced on schedule in Quarter 15 based on curriculum outlines finalized in Quarter 14. Development of Utility Management – Supervisory Level 1 also began on schedule in Quarter 15 based on curriculum outlines finalized in Quarter 14.</p> <p>In Quarter 16, development of the following courses was completed: WD LI, WD LII, UM/SLI and WWC LI.</p> <p>In Quarter 17, development of all remaining training courses was completed as originally planned.</p> <p>In Quarter 18, the WD3 Non-Revenue Water Reduction course was completed. WD3 was the last and final</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
	5. Develop certification tests	Complete	<p>course to be developed by OMT for the Jordan Water Operators Certification Program. At the Sustainability Workshop in July 2012, it was agreed that both CAQA and ACWUA would receive a set of the courses upon completion of the OMT project.</p> <p>OMT is reformatting all pilot course materials to meet professional graphics and publications standards for delivery upon completion of the OMT contract.</p> <p>5. In Quarter 10, Wastewater Level 1 (WW/L1) tests were finalized in accordance with established OMT standards incorporating results of the Aqaba Water Company (AWC) pilot. In Year 3, the final WW/L1 tests will be submitted to the WWSST for national roll-out.</p> <p>In Quarter 11, development of Water Level 1 (W/L1) tests was completed for pilot use at the Amman Water Company/Miyahuna in Quarter 12.</p> <p>In Quarter 12, tests for W/L1 were completed and piloted at Zai treatment plant. In addition test for WW/L2 and W/2 were drafted.</p> <p>In Quarter 14, pilot versions of tests for all four levels of both water and wastewater treatment were completed.</p> <p>Development of tests for Water Distribution, Wastewater Collection and Utility Management – Supervisory Level 1 commenced on schedule in Quarter 15.</p> <p>In Quarter 16, development of the following tests was completed: WD LI, WD LII, UM/SLI, and WWC LI.</p> <p>In Quarter 18, a second complete set of tests was developed to expand the test question pool for technical</p>

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Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments						
		Complete	<p>training programs. At the Sustainability Workshop in July 2012, it was agreed that both CAQA and ACWUA would receive a set of the tests upon completion of the OMT project.</p> <p>6. Deliver certification pilot program.</p> <p>6. As part of the preparation for the WW/L1 pilot, an orientation for AWC management and trainees was conducted in April 2010 to familiarize personnel with the program and set the pilot training schedule.</p> <p>Pilot instruction began in May 2010 for 15 AWC staff and was completed in early July 2010. Dr. Ziad Abu Hammateh / BAU administered, graded, reported and analyzed the test results.</p> <p>In Quarter 11, the W/L1 pilot orientation for Miyahuna and Zai managers was completed. Instruction for Zai / Miyahuna operators was conducted in Quarter 12.</p> <p>In September 2011/Quarter 14, repeat trainings of Water and Wastewater Treatment Level 1 were conducted to build up an adequate number of operators to implement W and WW/L1.</p> <p>In September 2011/Quarter 14, the first Grandfathering Training for Water Treatment Level 1 was conducted for the Water Authority Jordan (WAJ)</p> <p>Pilot for WW/L2 took place in Quarter 15.</p> <p>The following pilots took place in Quarter 16:</p> <table border="1" data-bbox="1543 1158 2056 1275"> <tbody> <tr> <td>WWTO LII</td> <td>AWC</td> </tr> <tr> <td>WTO LII</td> <td>AWC</td> </tr> <tr> <td>WWTO LI</td> <td>WAJ</td> </tr> </tbody> </table> <p>The following pilots took place in Quarter 17:</p>	WWTO LII	AWC	WTO LII	AWC	WWTO LI	WAJ
WWTO LII	AWC								
WTO LII	AWC								
WWTO LI	WAJ								

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments								
		7. Evaluate and revise pilot certification tests and training courses	Complete	<table border="1"> <tr> <td>JPIP</td> <td>Mixed Recipients</td> </tr> <tr> <td>WWC LI</td> <td>AWC</td> </tr> <tr> <td>WD LI</td> <td>Mixed Recipients</td> </tr> <tr> <td>WWTO LIII</td> <td>AWC</td> </tr> </table> <p>In Quarter 18, WT4 & WWT4 and WD3 were assessed using a peer review approach. This completed the review of all courses developed for the Jordan program.</p> <p>7. In Quarter 6, procedures and forms were finalized to collect trainee, trainer and evaluator feedback for use in course revision. In Quarter 8, pre/post-training performance indicators, surveys and interviews were prepared to collect baseline data for the WW/1 pilot. In Quarter 9, these evaluation and impact assessment procedures and forms were also piloted at the WW/L1 training at the AWC.(See Training Impact Assessment Report 1)</p> <p>In addition to feedback from, trainees, trainers, subject matter experts, developers, quality control observers and Al Balqa Applied University, input from a US-based Arabic speaking sanitary engineer is being utilized to revise and finalize the training materials and tests.</p> <p>In Quarter 11, based on the results of the WW/L1 pilot, the materials and tests were revised and WW/L1 Edition 1 and submitted to the WWSST for national roll-out in Year 3.The same process will be applied to W/L1.</p> <p>In Quarter 13, Water Treatment Level 1 was completed based on the Zai pilot.</p> <p>Water and Wastewater Treatment Level 2 was revised based on pilots planned for Quarter 15 & 16.</p>	JPIP	Mixed Recipients	WWC LI	AWC	WD LI	Mixed Recipients	WWTO LIII	AWC
JPIP	Mixed Recipients											
WWC LI	AWC											
WD LI	Mixed Recipients											
WWTO LIII	AWC											

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Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
		8. Initiate formal certification program	Complete	<p>In Quarter 16, the content of following courses was finalized: WTO LI, WWTO LI</p> <p>Reformatting of the following courses was completed in Quarter 16: WTO LI, WWTO LI</p> <p>In Quarter 18, the content of all Jordan program certification training courses and tests was revised. OMT is reformatting all pilot course materials to meet professional graphics and publications standards for delivery upon completion of the OMT contract.</p> <p>8. As part of the Capacity Building Action Plan, the OMT project will assist the WWSST in the scheduling of the actual planned roll-out of the formal certification program in 2011. As training materials are piloted and finalized, they will be made available to the WWSST for implementation on a formal basis. The fee structure will also be implemented and legal certificates will be issued.</p> <p>In Quarter 13, key approvals of the policy framework for the Water Operators Certification Program by the WWSST, E-TVET Council and CAQA and the issuance by WAJ of an instruction mandating certification moved the program closer to attaining formal status. This status will result when CAQA is empowered under its by-law to accredit the program and issue certificates.</p> <p>In Quarter 14, OMT intensified lobbying efforts with the MoL, MWI and private sector to obtain approval of the CAQA bylaw by the Office of the Prime Minister so that the Jordan program can be fully accredited and empowered. As reported above, these efforts continued in Quarter 15.</p>

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	<p>9. Restart the ABC/US-based Certification Testing and Training</p>	<p>Complete</p>	<p>In Quarter 16, OMT presented a strategy for sustainability based on the establishment of a provisional Voluntary Certification Program that would function until the CAQA by-law was approved. Broadening the WAJ example, the water companies would also issue instructions making operator certification mandatory in accordance with the policies of the Jordan Program. WAJ and the companies would agree to pay the fees and BAU would assume its role as program administrator. This interim solution was still being reviewed by the WWSST at the end of the quarter.</p> <p>In Quarter 17, the CAQA bylaw was published in the Official Gazette for 90-day public review. The bylaw includes provisions for 60-day application for accreditation which has been requested by the WWSST and OMT. OMT will assist WWSST to apply for accreditation.</p> <p>In Quarter 18, with approval of the CAQA bylaw, the formal Jordan Water Operators Certification Program was legally initiated with the accreditation of the training/testing programs and the licensing of operators who had passed the sanctioned tests.</p> <p>9. In May 2011, Barry Hess, USAID and the OMT team made all of the necessary arrangements to restart the ABC program for operators who were already enrolled under earlier USAID projects. In addition, a number of candidates were identified to join the ABC program based on the results of screening which will include English testing by AMIDEAST and ABC pretesting. Candidates who make the required cut-offs will be enrolled. English testing was completed in June. Enrollment and related materials procurement was initiated in June for the operators who were previously</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p>in the program.</p> <p>As of Quarter 14, 30 trainees were enrolled in the ABC program. In Quarter 14 and 15, OMT distributed 30 water and wastewater operator reference texts ordered from the Office of Water Programs at California State University in Sacramento to WAJ and water company site throughout Jordan. These references are intended to supplement the Arabic language materials being developed and implemented for the Jordan Water Operators Certification Program.</p> <p>In Quarter 15, two applicants received the California State University, Sacramento Certificate of Completion for Operation of Water Treatment Plants (educational requirements), 21 applicants received the California State University, Sacramento Certificate of Completion for Operation of Wastewater Treatment Plants (educational requirements). Three applicants received the Skill works, Inc. Certification of Successful Completion of the educational requirements of training course in centrifugal pumps.</p> <p>In Quarter 16, Operators applications were sent to ABC for review and evaluation. Comments for 24 applications were received by OMT. 13 applicants will sit for the test in April 2012.</p> <p>During Q.17 & 18 applicants took the required tests.</p> <p>Final Totals of the ABC program: 30 total engineers and operators. 18 passed ABC exam, 10 failed ABC exam, 2 results pending.</p> <p>The ABC element of the OMT project was completed in Quarter 18.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
2.2	Training Skills of Trainers Improved (KRA 2.2)	1. Select local trainers	Complete	<p>The Miyahuna and the Aqaba Water Company (AWC) already have a pool of ABC-certified operators who are being used as the initial group to receive TOT.</p> <p>In November 2008, contact was established with the National Institute for Training of Trainers. The formal TOT program was developed and delivered periodically by OMT for potential W/WW trainers.</p> <p>In Quarter 13, operator candidates were selected for the formal TOT program intended to qualify Jordanian operators as trainers of certification courses.</p>
		2. Develop TOT program	Complete	<p>In April 2010, in preparation for the WW/L1 and W/L1 pilots, OMT developed TOT coaching materials.</p> <p>In Quarter 11, Deb Horton developed a set of TOT materials to complement the ISD Training Specialist package that she developed earlier.</p> <p>In Quarter 13, Ms. Horton finalized these materials for pilot instruction.</p> <p>In Quarter 16, OMT will offer another round of TOT for new trainer candidates.</p>
		3. Pilot TOT training delivery	Complete	<p>In May 2010, the pilot round of TOT coaching was conducted for an AWC and a Miyahuna trainer.</p> <p>In Quarter 13, a formal and complete TOT training was conducted by Deb Horton. 12 participants (2 female and 10 male engineers) successfully completed the TOT training. Additional TOT was conducted by Eng. Adi Najjar (Component II Leader) in June 2012 for 16 trainees (1 female and 15 male).</p>
		4. Evaluate and revise TOT materials and methods	Complete	<p>In Quarter 13, the TOT training materials were revised and finalized based on the pilot instruction.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
2.3	Training Skills of Training Specialists Improved (KRA 2.2)	5. Support sustainability of TOT program	Complete	<p>In Quarter 15 the final version of the TOT training materials was completed and delivered to USAID.</p> <p>As part of the capacity building program for WWSST, OMT will assisted in organizing additional TOT trainings to be conducted by local certified Jordanian trainers (those having both operator certification and the OMT TOT program) via the BAU training plan.</p>
		6. Strengthen regional training centers	Complete	<p>OMT conducted a meeting for vendors in March 2012 to request donations of training materials and equipment to be used by the Jordan Water Operators Certification Program at regional training centers.</p> <p>In Quarter 16, in a joint effort Component 2 and Component 3, OMT conducted the Equipment Vender Meeting by contacting every local equipment vendor (safety equipment suppliers, safety clothing, lathes, chemicals, pipes, software, water treatment solution providers, etc.). The purpose of the session was to introduce them to the program and emphasize the importance of their involvement in possible sponsorship through supporting training centers with water facilities and equipment necessary to optimize the training process. 18 equipment vendors attended the session held on 24 March 2012.</p>
		1. Select local Training Specialists	Complete	<p>1. Criteria for assessing local training specialists were drafted to be shared with the CAQA.</p>
		2. Deliver Training Specialist program	Complete	<p>2. In Quarter 6, Debbie Horton conducted a tailored Training Specialists course to qualify Jordanian Subject Matter Experts (SME) to apply instructional systems design (ISD) principles in the development of operator certification courses. Also during Quarter 6, DTCC conducted a workshop on evaluation, test preparation,</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
2.4	On-Job Performance Improvement Plan - Coaching for Supervisors			and analysis for the same group of potential Training Specialists. (see Annex D – Participant Training Report)
		3. Sample training course/test development	Complete	3. Qualified developers have been identified and have completed the ISD course and/or related coaching.
		4. Evaluate and revise Training Specialist materials and methods	Complete	
		5. Evaluate Training Specialists	Complete	A second round of the ISD course was conducted in Quarter 15.
		6. Support sustainability of course development	Complete	In Quarter 16 the ISD materials were finalized, and delivered to USAID, and provided to the WWSST for their use in training additional developers.
		1. Design and develop On-Job Coaching (OJ-PIP) course	Complete	In Quarter 16 the On-Job Coaching course was designed by Deb Horton as the final part of the TOT, ISD, and OJ-PIP series.
		2. Deliver OJC course	Complete	In Quarter 17, instruction and revision was completed based on the pilot that took place in June 2012 with 16 participants from a mix of organizations.
		3. Evaluate and revise OJC course	Complete	

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
III. Water Training Sector Strengthened to Operate on Commercial Principles (PIR 3)			
3.1	Expanded Availability of High Quality Training Program (KRA 3.1)	<p>1. Assess market demand and supply</p> <p>2. Assist ACWUA/Regional Training Marketer in the development of a marketing plan.</p>	<p>Complete</p> <p>1. Baseline data collection was concluded in Year 1. The OMT Project established adequate data to classify W/WW facilities and project training demand in Jordan based on personnel data.</p> <p>In Quarter 17, with cooperation from ACWUA and their member input, a regional market survey was completed.</p> <p>Complete</p> <p>2. OMT developed a draft plan for conducting market surveys via ACWUA and shared with the ACWUA capacity building committee at the ACWUA conference in Alexandria, Egypt in November 2008.</p> <p>By default, Miyahuna and AWC will be the first training providers qualified to offer training services as their certified operators will be the first to complete the OMT TOT program.</p> <p>In Year 2, efforts were initiated to identify and define a marketing data collection strategy and to develop data collection forms to be used by ACWUA members and countries such as: Egypt, West Bank/Gaza, Iraq, Morocco, Lebanon and Yemen where USAID has active water programs. Development was initiated in Quarter 7 with implementation starting at the ACWUA conference in Morocco in Quarter 8/January 2010.</p> <p>In Quarter 8, OMT met with USAID to rethink the current marketing approach and formulate a strategy more appropriate to the actual conditions on the ground. It was determined that Al Balqa' Applied University could take a role in market research and business planning while ACWUA would promote the Jordan program to its members. A revised Component 3 scope reflecting the</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p>new strategy was included in the proposed amendment to the OMT project. In Quarter 9, OMT implemented this approach to the extent possible with current resources. Component 3 will be updated again when resources are finalized.</p> <p>In Quarter 9, forms were developed for use in collecting training needs assessment data from countries such as: Iraq, Egypt, West Bank/Gaza, Lebanon, Morocco, and Yemen where USAID has active water programs and from ACWUA member countries. These forms were given to ACWUA for review.</p> <p>In Quarter 11, the training needs assessment data collection forms were shared with the ACWUA Capacity Building Working Group at the Arab Water Week conference. It was agreed that changes would be incorporated and an Arabic version would be ready for ACWUA use and distribution in Quarter 12.</p> <p>Changes to the survey form were accomplished in Quarter 12. Owing to the current situation with ACWUA, the data collection will be incorporated in the plans for direct marketing "Road Shows".</p> <p>In Quarter 13, the first direct marketing trip was planned for the West Bank, Palestine. This planning was coordinated with USAID/WB with the trip expected in July 2011/Quarter 14. A Generic regional marketing presentation was also finalized for WB use.</p> <p>In Quarter 13, the OMT COP and Dr. Aiman Bani Hani/ USAID COTR presented the Jordan Water Operators Certification Program to the Afghan Ambassador who showed interest in replicating the program and looked forward to future cooperation.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
				<p>OMT had a meeting with the Minister of Labor with regards to the Policy and the By-Law approval for the ACAQ Center.</p> <p>Abdelrahman Omari/ WWSST presented the Jordan Water Operators Certification Program to 58 WAJ staff as an orientation for the implementation of the program at WAJ.</p> <p>Also in Quarter 13, OMT made a presentation of the Jordan Water Operators Certification Program to a UNDP group in Amman representing Iraq. USAID arranged this meeting which gave OMT the opportunity to explore the possibilities of offering training for the Iraq market. The OMT message was well received and follow-up coordination proceeded in Quarter 14.</p> <p>Another meeting with the Afghan Embassy was conducted where OMT presented the Jordan Certification Program and the message was well received and the Afghani showed interest in sending some trainees to Jordan to be enrolled in the Program. The OMT message was well received and follow-up coordination proceeded in Quarter 14.</p> <p>OMT also was invited to participate in the International Youth Day (IYD) organized by USAID Jordan where more than ten universities participated. OMT promoted the Jordan Water Certification Program with around 200 students from different specializations visiting the Jordan Water Certification Program booth.</p> <p>In Quarter 14, OMT conducted its first direct marketing visits to USAID-WBG in Tel Aviv, the Palestinian Water Authority and the Infrastructure needs program 2 in Ramallah. The INP2 project expressed interest in conducting training for up to 45 participants in water</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
				<p>treatment and distribution.</p> <p>In Quarter 15, OMT participated with WWSST to make a presentation and operate an exhibition booth at the ACWUA Best Practices Conference in Sharm el Sheikh, Egypt where the MOU between OMT and ACWUA was also signed.</p> <p>In Quarter 16, the Market Research Report and Marketing Plan were underway.</p> <p>In Quarter 17 the Market Research Report and Marketing Plan were completed with cooperation from ACWUA and the WWSST.</p> <p>In Quarter 18, the Business Plan was completed in coordination with ACWUA.</p>
3.2	Institutional Capability to Respond to Local and Regional Training Demand Enhanced (KRA 3.2)	1. Identify appropriate organization affiliation for the RTM.	Complete	<p>1. OMT continued to take advantage of the opportunity to coordinate with Khaldon Khashman, Secretary General, Arab Countries Water Utilities Association (ACWUA). During Year 1, OMT had a series of meetings with Eng. Khaldon to investigate ACWUA assuming the RTM role. In March 2009, OMT was informed that the ACWUA Board has agreed 'in principle' with such a relationship which in light of limited interest being shown by ACWUA is being reconsidered with a final decision expected no later than Quarter 9.</p> <p>OMT made a presentation at the ACWUA conference at the Dead Sea on 16 October 2008. OMT participated in the ACWUA/Alexandria event in November 2008.</p> <p>In Quarter 8, Al Balqa' Applied University was added to the marketing team. BAU will participate in market research, marketing planning and business planning.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
		2. Establish RTM.	Complete	<p>In Quarter 12, with resources made available by the OMT amendment, the project took the opportunity to unveil the Jordan/MENA Water Operators Certification Program at the IWA Efficient 2011 Conference in March 2011 at the Dead Sea. This involved presenting a paper, developing promotional materials and preparing and exhibition booth.</p> <p>In Quarter 15, OMT/Chemonics International on behalf of the WWSST signed and MOU with ACWUA establishing ACWUA as the Regional Training Marketer (RTM).</p> <p>In Quarter 18 at the Sustainability Workshop, ACWUA was recognized as the Regional Training Marketer in the revised institutional framework in accordance with revisions being made as per the CAQA bylaw.</p>
			Complete	<p>2. Formal agreement in principle with ACWUA was concluded in Quarter 5. The extensive certification marketing and capacity building plan that was planned for ACWUA was put on-hold in Quarter 7 as ACWUA's interest and potential was being reassessed. In Quarter 8, Al Balqa' Applied University was added to the marketing team. OMT focused capacity building efforts on BAU in their role as Program Administrator and marketing support.</p> <p>In Quarter 8, the entire approach to the marketing of the JOTCP was reviewed and reconfigured to ensure strict adherence to USAID regulations pertaining the expenditures for non-Jordanian participants. Component 3 was redirected toward direct marketing by OMT to key countries where USAID is active (Egypt, Iraq, Lebanon, West Bank/Gaza, Morocco).</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
	3. ACWUA Capacity Building	Complete	<p>ACWUA is maturing and is becoming more stable as a dependable organization as it hires qualified staff. Reliance on ACWUA as the RTM will be gradual. OMT will continue to coordinate with ACWUA and take full advantage of opportunities to market the certification and training program to ACWUA members.</p> <p>In Quarter 12, the marketing and business plan was drafted for the Jordan/MENA Water Operators Certification Program.</p> <p>In Quarter 13, the draft marketing and business plan was shared with USAID and the WWSST.</p> <p>In July 2011/Quarter 14, OMT planned, coordinated and initiated direct marketing of the Jordan program in the West Bank with USAID, Palestinian water sector representatives, and the USAID-funded INP2 infrastructure project. As a result, OMT is engaged in coordination with INP2 to plan training for 45 Palestinian operators to be enrolled in a special Water Distribution course in early 2012.</p> <p>In Quarter 14, with curricula ready to be offered regionally and the promising outcome of the West Bank direct marketing efforts, OMT sought to finalize an MOU with ACWUA to further enable ACWUA to receive OMT capacity building inputs and effectively market regionally.</p> <p>In Quarter 15, OMT/Chemonics International on behalf of the WWSST signed and MOU with ACWUA establishing ACWUA as the Regional Training Marketer (RTM).</p> <p>Capacity building for ACWUA began in Quarter 15 which will include the initiation of a business planning</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
	4. Awareness Events	Complete	<p>activity for ACWUA to support the marketing of operator certification and training in the MENA region.</p> <p>In Quarter 18, ACWUA was officially recognized as the RTM within the institutional framework for the Jordan Program as per the CAQA bylaw. OMT conducted the final comprehensive capacity building workshop for ACUWA in Quarter 18</p> <p>In Quarter 16 through 18, OMT worked closely with ACWUA to implement the terms of the MOU and define exactly what sorts of support OMT will provide to ACWUA.</p> <p>In Quarter 16, OMT worked closely with Jordan Hotels Association to plan and conduct an session about the OMT program tailored specifically to staff members working in hotels in the HR, maintenance and engineering departments. An invitation was sent out to all members that included details about the info session (date, time, location, objectives of the sessions). All members who expressed interest filled out an application form that was sent out to them for follow up purposes. 18 members from the Hotels Association attended the info session that was held on 29 February 2012.</p> <p>In Quarter 17, the following events were conducted:</p> <p>On April 19, 2012, OMT held an Information Session in partnership with the Vocational Training Center (VTC) to introduce students from vocational centers located in Amman to the Water and Wastewater Operator Certification and Training Program. 50 people attended the session which was tailored to students studying in the fields of maintenance and engineering.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
			<p>On May 15, 2012, OMT conducted an Information Session for 44 Armed Forces personnel from the Water and Electricity Division to introduce them to the Water and Wastewater Operator Certification and Training Program. The purpose of the session was to address their need to provide utility requirements and services</p> <p>On May 28, 2012, OMT met with USAID’s Program Management Office to provide them with necessary information about the Operator Certification Program and its achievements, specifically the bylaw and certification award ceremony that is scheduled early September, to enable them to publish a success story about the program.</p> <p>On June 27, 2012, OMT held an Information Session to 38 men from the Armed Forces, Civil Defense, Gendarme, and the General Security to introduce them about the Water and Wastewater Operator Certification Program. Audience is mainly specialized in mechanical systems and the Electricity and Water divisions.</p> <p>In Quarter 18, the following activities – Informational Awareness Sessions were conducted:</p> <ol style="list-style-type: none"> 1. Information Sessions: <ol style="list-style-type: none"> A. Amman - To cover employees from Amman, Balqa, Zarqa and Madaba, B. Irbid _ To cover Orbed, Mafraq, Ajloun and Jerash C. Karak - To cover Karak and Tafileh 2. Awareness Event targeting students and

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
				<p>teachers from a selected university in Jordan (Al Hussein University in Ma'an).</p> <p>3. Conduct Awareness Events:</p> <ul style="list-style-type: none"> A. CAQA Steering Committee and MOL B. Training Providers (private and public)

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Status	Comments
IV. Performance Impacts of Certification Program on O&M Demonstrated (PIR 4)			
4.1	Develop Performance Management Plan/Training Impact Assessment (KRA 4.1)	1. Design Performance Management System (PMS) / Training Impact Assessment (TIA).	<p>Complete</p> <p>1. Planning for the PMS was initiated in Quarter 7 with the development of a draft set of indicators to be applied at the Aqaba Wastewater Plant to determine the performance baseline against which the impact of certification training will be measured. These initial indicators will be augmented by questionnaires and interviews for trainees and their supervisors/managers.</p> <p>In Quarter 8 and 9, the basic procedures and forms for the PMS – renamed the TIA – were developed for the AWC WW/L1 pilot. These instruments included an agreed set of quantitative performance indicators as well as qualitative pre and post-training survey and interview forms for use with trainees and their supervisors. (See TIA Report 1)</p> <p>In Quarter 10, the TIA approach and initial procedures were piloted at the AWC for WW/L1. Based on these results and the planned pilot application of W/L1, the TIA procedures will be further refined.</p> <p>In Quarter 11, TIA Report 1 – WW/L1 including pre and post training data was completed. A presentation of the report took place in Quarter 12 and data was collected from the W/L1 pilot at Zai for analysis in TIA Report 2.</p> <p>In Quarter 13, TIA Report 2 for Water Treatment level 1 (Zai) was completed and included recommendations for improvements to the PMS/AIT procedures.</p> <p>In Quarter 14, the methodology for the six-month back on the job follow-up assessment was completed and applied at the AWC for WWL1.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
				<p>In Quarter 15, TIA Report 3 was completed for the 6-month follow-up of wastewater training at the Aqaba Water Company. This report documented significant improvements in O&M performance that can in part be attributed to the certification training.</p> <p>In Quarter 16, TIS Report 4 was completed for the 6-month follow-up at Zai Water Treatment Plant.</p> <p>In Quarter 17, data was collected for the remaining TIA Reports with a final TIA to be delivered in Quarter 19.</p>
4.2	Design, Develop and Implement PMS/TIA Plan (KRA 4.2)	<p>1. Develop and Implement PMS/TIA</p> <p>2. Report Performance Impacts on O&M</p>	Complete	<p>Development of the draft PMS including forms (indicators, survey questionnaires and interviews), procedures, reports and associated training was completed in Quarter 8 and piloted in Quarter 9 at the AWC in conjunction with WW/L1.</p> <p>Based on the pilot, an improved set of similar forms was prepared for use with the Miyahuna W/L1 pilot in Quarter 12.</p> <p>In Quarter 14, the methodology for the six-month back on the job follow-up assessment was completed and applied at the AWC for WWL1.</p> <p>2. A description of the PMS/TIA process and forms as well as initial findings of the AWC WW/L1 pilot were documented in Quarter 9 as TIA Report 1 Draft. The final report for WW/L1 was completed in Quarter 11 and reported in Quarter 12.</p> <p>In Quarter 13, TIA Report 2 –W/L1 was completed.</p> <p>In Quarter 15, TIA Report 3 for the six-month back on the job follow-up assessment was complete for AWC WWL1 and showed measureable O&M performance improvements attributable in part to the operator</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
				<p>training.</p> <p>TIA Report 4 for the six-month back on the job follow-up at Zai for WL1 was completed in Quarter 16 when annual performance data was available.</p> <p>Procedures for conducting future TIAs were streamlined to make them more appropriate for implementation by the WWSST. The full interview and survey data collection process will only be used with pilots. All other TIAs will be survey only.</p>

Table 2: Summary of OMT Project Activities through Year 4/Quarter 18 (May 2008 – September 2012)

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Status	Comments
4.3	Design, Develop and Implement PMS/KAP Survey (KRA 4.2)	1. Design and Develop PMS/KAP Survey	Complete	<p>In Quarter 19, a final comprehensive TIA Report will be completed for delivery to USAID.</p> <p>1. Planning for the KAP Survey was initiated in Quarter 14 and a preliminary KAP implementation plan including sample questionnaires was prepared for presentation in Quarter 15.</p> <p>The KAP Survey plan, schedule, list of interviewees and data collection questionnaires were completed and implementation was initiated in Quarter 16.</p> <p>In Quarter 17 the KAP was expanded to the national level with a total of 1200 interviews. The report will be completed in Quarter 18 with results reported at the Sustainability Workshop in July 2012.</p> <p>Preliminary KAP results were available in Quarter 17 and the final KAP Survey Report will be finalized in Quarter 19 for submission to USAID.</p>
4.4	O&M Facility Assessments – Treatment Plants and Networks	1. Design, Conduct and Report Treatment Plant Assessment	Complete	<p>Complete assessment methods and tools were developed and implemented in Quarter 15.</p> <p>In Quarter 16, the final comprehensive O&M Complete assessment methods and tools were developed and implemented in Quarter 15.</p>
		2. Design, Conduct and Report Network Assessment	Complete	<p>In Quarter 16, the final comprehensive O&M Assessment Report of Treatment Plants was delivered.</p> <p>Complete network assessment methods and tools were developed and implemented in Quarter 16.</p> <p>In Quarter 18, the final comprehensive O&M Assessment Report of Network Facilities was delivered.</p>

OMT PROJECT ADMINISTRATION SUMMARY – YEAR 4/QUARTER 18

OMT Administrative Extension – 60-days through 27 November 2012

In July 2012, OMT and USAID concluded arrangements for a 60-day administrative extension to the OMT project to fully close out the contract by November 27, 2012 without increasing the task order ceiling price. The due date for submission of the final report will shift from September 28, 2012 to November 27, 2012 as well.

Staffing

On 1 August 2012, Eng. Adi Najjar replaced key personnel Mr. George Rizkallah/OMT COP-Program Director who left the project for personal reasons. In addition to the OMT COP/Program Director position, Mr. Najjar retained his responsibilities as OMT Component 2 Leader. This change was approved by USAID in June 2012.

During the past quarter, the following staffing changes were made for OMT:

- Technical Editor – Dr. Ziad Abu Hammateh
- Test Developer/Water – Dr. Jamal Radaideh
- CAQA & BAU Advisor – Rana Al Zoubi
- CAQA & BAU Coordinator – Diala Hanania

A cumulative OMT staffing summary is shown below. The organization chart that follows has been updated based on the expanded OMT scope of work and associated new field and home office staff assignments.

Long-Term Staffing – May 2008 through September 2012

Name	Job Title	Component	Firm	Employment Type	Start Date
Howard Sokoloff	Chief of Party / Program Director	1. Certification Policy	Chemonics	Long-Term	June 13, 2008
Rania Hijazi	Accountant	Program Support	Chemonics	Long-Term	June 15, 2008
Elham Musa	Operations & Program Manager	Program Support	Chemonics	Long-Term	June 22, 2008
Waleed Abu Nofal	Expediter/Driver	Program Support	Chemonics	Long-Term	July 1, 2008
Zaid Jabarin	Administrative Assistant	Program Support	Chemonics	Long-Term	August 3, 2008
Aiman Bani Hani	Senior Advisor	1. Certification Policy; 2. Training Development	Engicon	Long-Term	July 13, 2008
Husni Olama	Component 2 - Leader	2. Training Development	Engicon	Long-Term	September 1, 2008
Majed Qutaishat	Capacity Building Specialist	1. Certification Policy	Engicon	Short-Term	June 1, 2009
Rasheed Khrais	Administrative Assistant	Program Support	Chemonics	Long-Term	August 1, 2009
Husni Olama	Program Director	Program Support	Engicon	Long-Term	September 1, 2009
Majed Qutaishat	Component 1 Leader/ Capacity Building Specialist	1. Certification Policy	Engicon	Long-Term	December 1, 2009
Zaid Jabarin	Administrative Assistant	Program Support	Chemonics	Long-Term	March 21, 2010
George Rizkallah	Chief of Party / Program Director	Program Support	Engicon	Long-Term	January 17, 2011
Adi Al-Najjar	Component 2 Leader Chief of Party / Program Director	2. Training Development	Engicon	Long-Term	January 23, 2011

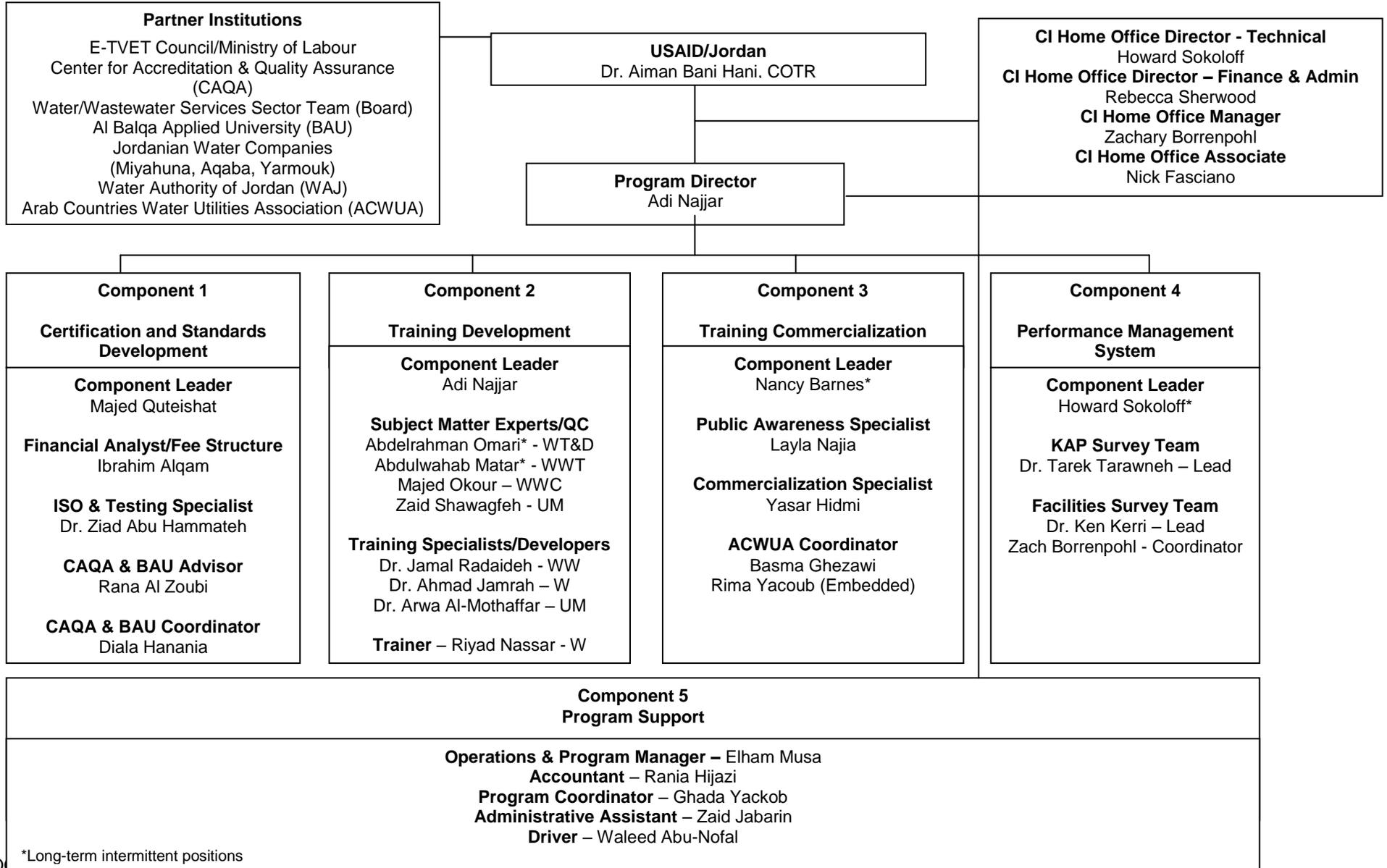
Short-Term Staffing – May 2008 through September 2012

Name	Component	Tasks	Firm	Arrival Date	Departure Date
Luanne Napoli	Program Support	OMT Project Start-up	Chemonics	May 10, 2008	June 20, 2008
Howard Sokoloff	Program Management	OMT Project Start-up	Chemonics	May 13, 2008	May 24, 2008
John Shin	Program Support	OMT Project Finance System	Chemonics	June 21, 2008	June 27, 2008
Rami Khyami	Program Support	OMT Project Finance System	Chemonics	June 21, 2008	June 27, 2008
Alec Worsnop	Program Support	OMT Project Work Plan - Year 1; OMT Project Quarterly Report 1	Chemonics	July 26, 2008	August 8, 2008
Ghaleb Akari	1. Certification Policy	Certification and Standards Development	Chemonics	November 2, 2008	December 15, 2008

Carla Stone	1. Certification Policy	Certification and Standards Development	DTCC	November 8, 2008	November 22, 2008
Jerry Williams	1. Certification Policy	Certification and Standards Development	DTCC	November 8, 2008	November 22, 2008
Osama Amad	1. Certification Policy	Certification and Standards Development	Chemonics	November 9, 2008	November 21, 2008
Jerry Williams	2. Training Development	Certification Training Curriculum Outlines	DTCC	February 7, 2009	February 22, 2009
Stephen Rohm	2. Training Development	Certification Training Curriculum Outlines	DTCC	February 7, 2009	February 22, 2009
Kenneth Kerri	1. Certification Policy; 2. Training Development	Review: Certification Policy; Curriculum Outlines	Chemonics	February 19, 2009	March 5, 2009
Nancy Barnes	3. Training Commercialization	OMT Project Work Plan - Year 2	CH2M Hill	March 16, 2009	March 20, 2009
Rami Khyami	Program Support	OMT Project Finance System	Chemonics	May 18, 2009	May 28, 2009
Deborah Horton	1. Certification Policy 2. Training Development	Training Specialist Course	Chemonics	July 2, 2009	July 22, 2009
Stephen Rohm	2. Training Development	Training Monitoring and Evaluation	DTCC	July 11, 2009	July 20, 2009
Kathleen Sheridan	Program Support	OMT Amendment	Chemonics	August 2, 2009	August 11, 2009
Howard Sokoloff	1. Certification Policy	Presentation at ABC Conference	Chemonics	January 26, 2010	January 27, 2010
Osama Amad	1. Certification Policy	Presentation at ABC Conference	Chemonics	January 26, 2010	January 27, 2010
Nancy Barnes	3. Training Commercialization	Revised Component 3 strategy; Attend ACWUA Conference/Rabat	CH2M Hill	February 3, 2010	February 12, 2010
Deborah Horton	2. Training Development	Sample Lesson Review	Chemonics	March 17, 2010	March 30, 2010
Howard Sokoloff	4. Performance Impacts on Improved Operations and Maintenance	Aqaba Water Company – Pilot Workshop; Stakeholder briefings	Chemonics	March 28, 2010	April 9, 2010
Osama Amad	2. Training Development	WW-Level 1 Review of Arabic training materials	Chemonics	June 1, 2010	June 1, 2010
Nancy Barnes	3. Training Commercialization	Debrief on Cairo conference; Meeting with ACWUA re. marketing approach and training needs survey	CH2M Hill	August 1, 2010	August 4, 2010
Rami Khyami	Program Support	FACT check-in	Chemonics	August 21, 2010	August 25, 2010
Kenneth Kerri	1. Certification Policy; 2. Training Development	ABC and IWA Conference inputs; Public Awareness outline	Chemonics	November 3, 2010	December 31, 2010
Deborah Horton	2. Training Development	TOT Training Program Development	Chemonics	November 3, 2010	December 31, 2010
Nancy Barnes	3. Training Commercialization	Arab Water Week Conference; Component 3 activities	CH2M Hill	December 4, 2010	December 10, 2010
Howard Sokoloff	4. Performance Impacts on Improved Operations and Maintenance and Program Support	Workshop to finalize planning for implementation of amendment; TIA Report 1; USAID coordination; COP coaching	Chemonics	January 4, 2011	January 9, 2011
Zachary Borrenpohl	Program Support	Workshop to finalize planning for implementation of amendment; Subcontractor coordination; Staffing and Budgeting	Chemonics	January 4, 2011	January 15, 2011
Osama Amad	2. Training Development	OMT Water Level 1 - Review	Chemonics	February 2011	February 2011
Nancy Barnes	3. Training Commercialization	IWA Conference preparation; Marketing and Business Planning	CH2M Hill	February 11, 2011	February 22, 2011
Nancy Barnes	3. Training Commercialization	IWA Conference preparation and participation; Marketing and Business Planning	CH2M Hill	March 11, 2011	April 3, 2011
Kenneth Kerri	2. Training Development	IWA Conference preparation and participation; Utility Management brain-storming session	Chemonics	March 19, 2011	April 4, 2011
Howard Sokoloff	4. Performance Impacts on Improved Operations and Maintenance	IWA Conference participation and support ; Work planning	Chemonics	Mar. 26, 2011	April 3, 2011
Zachary Borrenpohl	Program Support	IWA Conference participation and support ; Work planning and budgeting	Chemonics	Mar. 26, 2011	April 3, 2011
Barry Hess	2. Training Development	Restart the original ABC Certification and Testing program	Chemonics	Apr. 5, 2011	May 31, 2011
Deborah Horton	2. Training Development	Master Training Plan and Training of Trainers (TOT)	Chemonics	May 8, 2011	May 25, 2011
Stephen Rohm	2. Training Development	Networks – Curriculum Design	DTCC	May 28, 2011	June 11, 2011
Stephen Rohm	2. Training Development	Um – Curriculum Design	DTCC	July 9, 2011	July 16, 2011
Nancy Barnes	3. Training Commercialization	INP 2 Trip	CH2M Hill	July 9, 2011	July 21, 2011
Deborah Horton	2. Training Development	ISD Training and MTP	Chemonics	October 9, 2011	October 22, 2011
Nancy Barnes	3. Training Commercialization	ACWUA support	CH2M Hill	October 17, 2011	October 27, 2011
Howard Sokoloff	4. Performance Impacts on Improved Operations and Maintenance	TIA	Chemonics	October 15, 2011	October 28, 2011
Zachary Borrenpohl	Program Support	PMU Administration	Chemonics	October 15, 2011	October 28, 2011
Nicholas Fasciano	Program Support	PMU Administration	Chemonics	October 15, 2011	October 28, 2011

Kenneth Kerri	4. Performance Impacts on Improved Operations and Maintenance	Treatment Plant Survey	Chemonics	November 8, 2011	November 18, 2011
Nancy Barnes	3. Training Commercialization	ACWUA Conference	CH2M Hill	December 3, 2011	December 20, 2011
Miles Sedgwick	3. Training Commercialization	Communications Video	Chemonics	March 17, 2012	March 23, 2012
Nicholas Fasciano	3. Training Commercialization 4. Performance Impacts on Improved Operations and Maintenance	Communications Video	Chemonics	March 17, 2012	April 6, 2012
Howard Sokoloff	4. Performance Impacts on Improved Operations and Maintenance	TIA and KAP	Chemonics	March 24, 2012	April 6, 2012
Rebecca Sherwood	PMU/OMT Administration	Procurement	Chemonics	March 24, 2012	April 6, 2012
Zachary Borrenpohl	4. Performance Impacts on Improved Operations and Maintenance	Network Survey, Program Review, Budget Update	Chemonics	April 11, 2012	May 9, 2012
Deborah Horton	2. Training Development	OJ-PIP course delivery	Chemonics	April 14, 2012	April 23, 2012
Kenneth Kerri	4. Performance Impacts on Improved Operations and Maintenance	Senior Quality Control – Network Survey	Chemonics	April 21, 2012	May 4, 2012
Nancy Barnes	3. Training Commercialization	Market Research, Marketing Plan	CH2M Hill	May 9, 2012	May 22, 2012
Agnieszka Orzechowska	Program Support	FACT Review (Internal Audit)	Chemonics	May 19, 2012	May 25, 2012
Zachary Borrenpohl	4. Performance Impacts on Improved Operations and Maintenance; Program Support	Network Survey, Program Support	Chemonics	June 6, 2012	July 26, 2012
Nancy Barnes	3. Training Commercialization	Business Plan	CH2M Hill	June 6, 2012	June 22, 2012
Howard Sokoloff	4. Performance Impacts on Improved Operations and Maintenance	Sustainability Workshop; KAP & TIA	Chemonics	July 10, 2012	July 20, 2012
Nicholas Fasciano	Program Support	Sustainability Workshop; OMT Communications	Chemonics	July 10, 2012	July 20, 2012
Zachary Borrenpohl	Program Support	Facilities O&M Survey – Networks; OMT Contracting and Close-out Support	Chemonics	August 4, 2012	September 27, 2012
Nancy Barnes	3. Training Commercialization	Component 3 Final Deliverables	CH2M Hill	August 25, 2012	August 31, 2012

OMT Project Organization



*Long-term intermittent positions

OMT Communications

Year 4/Quarter 18 continued to be very active for the OMT project. OMT continues to document significant achievements in success stories included in quarterly progress reports. The success story included in Annex D of this report addresses the sustainability of the Jordan Water Operators Certification Program.

In Year 4, OMT completed a 7-minute promotional video entitled: The Jordan Water Operators Certification Program: Ensuring Water Quality, Services and Resources. This video features key Jordanian stakeholders and beneficiaries discussing the value and impact of the Jordan Program. In Quarter 18, a tailored version was completed for broad distribution in Jordan to promote operator certification and the achievements of the USAID OMT Project.

Procurement

In Quarter 18, the following contracts were awarded:

RFP 01/2012: Event Coordination

Chemonics International Inc., under the Jordan OMT Project, OMT issued a Request for Proposals for Event/Logistics Planning and Coordination Services. The attached Request for Proposals (RFP) document contains all the necessary information for interested offerors. OMT sought a firm to provide event/logistics planning and coordination services for up to twenty (20) workshops (awareness events) in Jordan over the coming five (5) months. These events will take place between May and September 2012.

RFP 02/2012: Communication Products

Chemonics International Inc., under the Jordan OMT Project, OMT issued a Request for Proposals for Communications Products. The attached Request for Proposals (RFP) document contains all the necessary information for interested offerors. OMT seeks a firm to provide communications products in Jordan over the coming five (5) months. As the Jordan OMT program is in its final year, the objective of these communications products is to ensure that messages from counterparts are effectively communicating the OMT message in all products to include "Proudly Providing Water Operators Certification and Training". These products will need to be developed between May and September 2012. Chemonics reserves the right to extend any awarded subcontract at the same prices should this be necessary.

RFP 03/2012: IT Requirements for Counterpart's Website and IT Needs

Chemonics International Inc., under the Jordan OMT Project, solicited proposals from qualified Jordanian-based IT companies and firms (hereafter referred to as "Offeror") for the drafting of IT Requirements for Counterpart's Website and IT Needs. The subcontractor will review and assess the current data, infrastructure, and network security content and provide, in writing, comments on the current status and enhancements that may be required. Complete a review of the planning for future technology including a payment element, security, wireless access, remote access, and expansion; and provide in writing comments and recommendations that confirm and refine current plans. Draft a scope of work with the required revisions that would be detailed as "need to have" and the suggestion optional revisions that would be detailed as "nice to have" in written format.

Equipment procured for CAQA and BAU in Quarter 18

We recommend to obtain 2 sets of equipments, one to go the BAU and the other to CAQA as part of the des positioning of these equipment till the end of the project, at which it would be later transferred to them as a gift from USAID. Also they would be at the disposals of pour Advisors and Coordinator who would be embedded in BAU & CAQA

1. Laptop (2)
2. Printer black color only – regular (2)
3. Data Show (2)
4. Screen (2)
5. Photocopier color – not a heavy Duty one (2)
6. Scanner (Heavy Duty one (2)
7. 2 Flip Charts with papers and set of pens for each (2)
8. Spiral Machine with Spiral with different sizes (2)
9. Punching Machine – Heavy Duty (2)
10. Stapler – Heavy Duty (2).
11. White Boards (2)

Participant Training Report

Annex C – Participant Training Report contains cumulative OMT training data through Quarter 18/September 2012.

USAID/Egypt Projects Coordination

OMT coordinates with the USAID/Egypt Water Policy and Regulatory Reform (WPRR) Project and the Water and Wastewater Sector Support (WWSS) Project.

In May 2012, OMT shared the approach used by OMT to determine the fee structure for the Jordan Water Operators Certification Program including fees for:

- Application and Enrollment
- Testing/Retesting
- Training, and
- Certification/Licensing.

Over the course of the project, OMT has shared the Jordan certification policy and curriculum outlines with these USAID projects that are striving to establish operator certification in Egypt. In July 2012, OMT shared a complete set of training materials with WWSS.

OMT received a set of certification test questions from WPRR and a description of the WWSS leadership development program to be used as an input in determining the training needs for the Jordan Utility Manager training.

ISSUES AND CHALLENGES

OMT did not encounter any new or serious issues during Quarter 18 that presented obstacles to overall progress.

Regulatory Progress and Overall Partner Readiness – In Quarter 18, after over 2 years of intensive OMT intervention, the CAQA bylaw completed the Jordanian legal approval process and came into force. OMT continued to diplomatically apply pressure to assure that the Jordan Water Operators Certification Program would be accredited and that the operators who successfully passed achievement tests would receive their certificates (licenses) from CAQA before the end of the OMT Project. As of this report, it appears that these objectives will be achieved with operator certificates planned for issuance in October 2012.

This significant milestone has come in the final months of the OMT Project and definitely presents challenges in terms of partner readiness to effectively take over and sustain the Jordan Water Operators Certification Program locally and for the MENA region. In July, OMT conducted an intensive two-day Sustainability Workshop with partners to ensure that institutional, financial and administrative issues pertinent to continued long term operations were addressed with specific actionable objectives. These are receiving the attention of decision makers and all major outstanding issues have had acceptable response and action.

However, as the CAQA bylaw was approved only in September 2012, it must be pointed out that very little time was remaining in the OMT Project to cement roles and responsibilities and incubate the newly formed Jordan Water Operators Certification Program through a recommended six to twelve month process to secure effective independent operations.

USAID has indicated interest in creating a follow-on regional phase of OMT under which the Jordan program would get the attention that it needs to stand up and succeed. It is hoped that take quick action is taken so that USAID realizes the full potential and return on its initial investment in water operator certification and training in Jordan and the MENA.

ANNEX A: OMT PROJECT KEY DELIVERABLES LIST & STATUS

<u>Deliverable</u>	<u>Status</u>
<i>Expected Results as per SOW:</i>	
1. Initiate a Certification Program	
Certification Scheme	Complete
Board of Certification established (W/WWSSST)	Complete
Independent certification body established (E-TVET Council)	Complete
Regulation & Fees for certification services	Complete
Certification tests/exams	Complete
Recognized certificates	Complete
2. Link Standard Operating Procedures	
SOPs collected	Complete
Procedure linking SOPs to training material	Complete
3. Develop and present new courses and tests	
Pilot courses and tests for certification levels:	
Wastewater Treatment – Level 1 – 4	Complete
Water Treatment - Level 1 – 4	Complete
Wastewater Collection - Level 1, 2	Complete
Water Distribution – Level 1, 2	Complete
Water Distribution – Level 3	Complete
Utility Management 1	Complete
Final formatted deliverable version	
Wastewater Treatment – Level 1, 2	Complete
Water Treatment - Level 1, 2	Complete
Wastewater Treatment – Level 3, 4	Complete
Water Treatment - Level 3, 4	Complete
Wastewater Collection - Level 1, 2	Underway
Water Distribution – Level 1, 2	Underway
Water Distribution – Level 3	Underway
Utility Management 1	Underway
4. Improve training skills of local training providers	
TOT program producing qualified trainers	Complete
Local training provider(s) capable to teach courses	Complete
ISD program producing qualified training developers	Complete
Local training provider(s) capable to develop courses	Complete
On-Job Performance Improvement Planning (Coaching)	Complete
Criteria/procedures for developing new trainers without donor assistance	Complete

5. Regional Training Marketer (RTM)

RTM established (ACWUA)	Complete
Market Research Report	Complete
Marketing Plan	Complete
Business Plan	Complete

6. Review of regulations for O&M of W/WW treatment infrastructure

Policy requiring certification of treatment plant personnel	Complete
Policy negotiated with WAJ	Complete
Final accepted policy to Accreditation and Quality Assurance Center for approval	Complete
Regulation mandating certification approved	Complete
Implementation phase of certification is started/CAQA By-law	Complete

7. Monitoring and Evaluation

Training Impact Assessment – Final Report	Nov 2012
Knowledge, Attitude and Practices Study – Final Report	Oct 2012
O&M Facilities Assessment – Plants and Networks	Complete

Specified Deliverables:

Work plan - Year 1 Detailed	Submitted
Work plan - Year 2 Detailed	Submitted
Work plan - Year 3 Detailed	Submitted
Work plan - Year 4 Interim	Submitted
Work plan - Year 4/5 Detailed	Submitted
Performance Monitoring Plan (PMP)/Year 1	Submitted
Performance Monitoring Plan (PMP)/Year 2	Submitted
Performance Monitoring Plan (PMP)/Year 3	Submitted
Performance Monitoring Plan (PMP)/Year 4 Interim	Submitted
Performance Monitoring Plan (PMP)/Year 4/5	Submitted
Communications Strategy (Branding)	Submitted
Observational Study Tour (OST) Report 1	Submitted
Observational Study Tour (OST) Report 2	Submitted
Participant Training Reports/Quarterly	Submitted
Progress Reports/Quarterly	Submitted
Annual Report - Year 1	Submitted
Annual Report - Year 2	Submitted
Annual Report - Year 3	Submitted
Annual Report - Year 4	Submitted
Demobilization Plan – Year 5	Submitted
Final Report – Year 5	Nov 2012

ANNEX B: PARTICIPANT TRAINING REPORT THROUGH QUARTER 18

Serial No.	Training Program Name	Field of Study	Start Date			End Date			Training Type	Trainee Information			Certification Issued (Yes/No)
			M	D	Y	M	D	Y		Group Name	Males	Females	
01	Training Specialist Program	Instructional Systems Design (ISD)	07	12	09	07	13	09	Workshop	Training Dev. Group	8	2	No
02	Certification Testing Program	Training Evaluation	07	15	09	07	15	09	Workshop	Course Test Dev. Group	9	1	No
03	Train of Trainers (TOT)	Training of Trainers	05	03	10	05	05	10	Workshop	Training Dev. Group	3	1	Yes
04	WWTO Level 1	Wastewater Treatment	05	30	10	06	17	10	Training Course	Aqaba WWTP Operators	6	1	Yes
05	WWTO Level 1	Wastewater Treatment	06	20	10	07	8	10	Training Course	Aqaba WWTP Operators	8	1	
06	TOT	Training of Trainers	11	28	10	12	02	10	Workshop	Training Dev. Group	2	2	Yes
07	WTO Level 1	Water Treatment	01	03	11	01	20	11	Training Course	Zai WTP Operators	17	0	Yes
08	TOT	Training of Trainers	05	22	11	05	24	11	Workshop	Training Dev. Group	10	2	Yes
09	Wastewater Collection & Water Distribution Curricula Design Workshop	Wastewater Collection & Water Distribution	06	07	11	06	08	11	Workshop	Training Dev. Group	7	1	No
10	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	06	22	11	06	22	11	Workshop	Water Authority of Jordan	46	7	No
11	WTO Level 1	Water Treatment	09	11	11	09	22	11	Training Course	Aqaba Water Co. Operators	11	2	Yes
12	WTO Pilot Training/Level 1 Grandfathering	Water Treatment	09	11	11	09	28	11	Training Course	Water Authority of Jordan	11	0	Yes
13	WWTO Level 1	Wastewater Treatment	09	11	11	09	28	11	Training Course	Yarmouk Water Co. Operators	13	0	Yes

Serial No.	Training Program Name	Field of Study	Start Date			End Date			Training Type	Trainee Information			Certification Issued (Yes/No)
			M	D	Y	M	D	Y		Group Name	Males	Females	
14	Training Specialist Program	Instructional Systems Design (ISD)	10	16	11	10	20	11	Workshop	Training Dev. Group	12	2	Yes
15	WWTO Pilot Training/Level 1 Grandfathering	Waste Water Treatment	11	20	11	12	01	11	Training Course	Water Authority of Jordan	11	0	Yes
16	WWTO Pilot Training/Level 1	Waste Water Treatment	11	22	11	12	05	11	Training Course	Miyahuna	13	1	Yes
17	WWTO Pilot Training/Level 1	Waste Water Treatment	11	27	11	12	08	11	Training Course	Aqaba Water Co. - Wadi Mousa WWTP	16	0	Yes
18	WWTO Pilot Training/Level 2	Waste Water Treatment	12	26	11	01	05	12	Training Course	Aqaba Water Co.	10	2	Yes
19	WTO Pilot Training/Level 2	Water Treatment	01	08	12	01	19	12	Training Course	Aqaba Water Co.	4	1	Yes
20	WTO Pilot Training/Level 1	Water Treatment	02	19	12	02	29	12	Training Course	Water Authority of Jordan	12	1	Yes
21	WWTO Pilot Training/Level 1	Waste Water Treatment	02	19	12	02	29	12	Training Course	Water Authority of Jordan	9	0	Yes
22	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	02	29	12	02	29	12	Workshop	Jordan Hotel Association	9	7	No
23	WTO Pilot Training/Level I	Water Treatment	03	18	12	03	29	12	Training Course	Yarmouk Water Co.	16	0	Yes
24	WWTO Pilot Training/Level I	Waste Water Treatment	03	18	12	03	29	12	Training Course	Samra Plant Operation & Maintenance Co. Ltd.	15	1	Yes
25	WWTO Pilot Training/Level II	Waste Water Treatment	03	18	12	03	28	12	Training Course	Wadi Mousa WWTP	7	0	Yes
26	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	03	24	12	03	24	12	Workshop	Equipments Vendors	15	3	No

Serial No.	Training Program Name	Field of Study	Start Date			End Date			Training Type	Trainee Information			Certification Issued (Yes/No)
			M	D	Y	M	D	Y		Group Name	Males	Females	
27	WWTO Pilot Training/Level II	Waste Water Treatment	04	01	12	04	12	12	Training Course	Yarmouk Water Co.	9	0	Yes
28	WTO, Pilot Training/Level I	Water Treatment	04	08	12	04	19	12	Training Course	Water Authority of Jordan and Darak	15	1	Yes
29	On-the-Job Performance Improvement Plans Training Course (OJ-PIP)		04	16	12	04	18	12	Training Course	Mixed Recipient from Water Sector	16	0	Yes
30	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	04	19	12	04	19	12	Workshop	Vocational Training Center (VTC)	82	0	No
31	WTO, Pilot Training/Level II	Water Treatment	04	22	12	05	03	12	Training Course	Miyahuna	10	0	Yes
32	WWTO Pilot Training/Level I	Waste Water Treatment	05	06	12	05	17	12	Training Course	Water Authority of Jordan	12	0	Yes
33	Wastewater Collection Pilot Training/Level I	Waste Water Treatment	05	13	12	05	21	12	Training Course	Aqaba Water Co.	16	2	Yes
34	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	05	14	12	05	14	12	Workshop	Armed Forces	44	0	No
35	TOT	Training of Trainers	06	03	12	06	06	12	Workshop	Training Dev. Group	15	1	Yes
36	WWTO Pilot Training/Level III	Waste Water Treatment	06	10	12	06	19	12	Training Course	Aqaba Water Co.	12	1	Yes
37	Water Distribution Pilot Training/Level I	Water Treatment	06	11	12	06	19	12	Training Course	Mixed Recipient from Water Sector and Armed Forces	20	2	

Serial No.	Training Program Name	Field of Study	Start Date			End Date			Training Type	Trainee Information			Certification Issued (Yes/No)
			M	D	Y	M	D	Y		Group Name	Males	Females	
38	WTO, Pilot Training/Level II	Water Treatment	06	17	12	06	28	12	Training Course	Water Authority of Jordan and Darak	16	0	Yes
39	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	06	27	12	06	27	12	Workshop	Military and Security Forces	38	0	No
40	WTO, Pilot Training - Level I	Water Treatment	07	01	12	07	12	12	Training Course	Military and Security Forces	19	0	Yes
41	Utility Management Pilot Training- Level I	Management	07	08	12	07	17	12	Training Course	Mixed Recipient from Water Sector	11	4	Yes
42	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	07	09	12	07	09	12	Workshop	Water Authority of Jordan	23	9	No
43	WWTO Pilot Training/Level II	Waste Water Treatment	07	08	12	07	19	12	Training Course	Water Authority of Jordan	9	0	Yes
44	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	07	10	12	07	10	12	Workshop	Water Authority of Jordan_Karak	27	0	No
45	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	07	11	12	07	11	12	Workshop	Water Authority of Jordan-Tafileh	21	1	No
46	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	07	11	12	07	11	12	Workshop	Water Authority of Jordan-Ma'an	48	14	No
47	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	07	15	12	07	15	12	Workshop	Yarmouk Water Co. – Irbid and Mafraq	30	0	No
48	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	07	15	12	07	15	12	Workshop	Yarmouk Water Co. – Jerash and Ajloun	14	0	No

Serial No.	Training Program Name	Field of Study	Start Date			End Date			Training Type	Trainee Information			Certification Issued (Yes/No)
			M	D	Y	M	D	Y		Group Name	Males	Females	
49	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	08	27	12	08	27	12	Workshop	Training Providers	10	5	No
50	Wastewater Collection Pilot Training/Level II	Waste Water Treatment	09	02	12	09	12	12	Training Course	Aqaba Water Co.	7	2	Yes
51	Workshop on Jordan Water Operators Certification Program	Public Awareness Events	09	16	12	09	16	12	Workshop	CAQA Steering Committee Members	10	0	No
52	Water Distribution Pilot Training/Level II	Water Treatment	09	09	12	09	18	12	Training Course	Mixed Recipient from Water Sector and Armed Forces	2	8	Yes
53	WTO, Pilot Training/Level III	Water Treatment	09	16	12	09	26	12	Training Course	Water Authority of Jordan and Darak	15	2	Yes

Serial No.	Training Program Name	Field of Study	Training Type	Start Date	End Date	Training Provider Name and Address in U.S.	Trainee Information (Employer, Title, Address in U.S.)	Certification Issued (Yes/No)	Expenses In JOD Direct Costs
01	Observational Study Tour (OST) for Operator Certification Familiarization	Certification	Study Tour	10/19/09	10/23/09	Delaware Technical & Community College, Jack F. Owens Campus, P.O. Box 610, Georgetown, Delaware 19947 Tel. +1-302-855-5904	<ul style="list-style-type: none"> - Mr. Ziad Taqash, Human Resource Development Director, Ministry of Water & Irrigation (MWI) - - Mr. Samih Al Amad, Human Resources Director, Jordan Water Co. (Miyahuna) - - Mr. (Mohammad Khair) Irshaid, Director of Center of Accreditation and Quality Assurance, Employment-Technical and Vocational Education and Training Council (E-TVET) - - Mr. Riyad Nassar, Production Manager, WMZM Operation & Maintenance - - Dr. Ziad Abu-Hamatteh, Director of Consultations, Studies and Training Center, Al-Balqa' Applied University - - Dr. Bassim Abbassi, Associate Professor, Dept. of Water Resources & Environmental Management, Al-Balqa' Applied University - - Mr. Husni Olama, Program Director, Operations & Maintenance Training Project - - Address in the U.S.: Boardwalk Plaza Hotel, 2 Olive Ave. Boardwalk, Rehoboth Beach, DE 19971, 800.33-BEACH, Tel. +1-302-227-7169 	No	JOD 15,000.00

Serial No.	Training Program Name	Field of Study	Training Type	Start Date	End Date	Training Provider Name and Address in U.S.	Trainee Information (Employer, Title, Address in U.S.)	Certification Issued (Yes/No)	Expenses In JOD Direct Costs
02	Observational Study Tour (OST) for Operator Certification Familiarization in California, U.S.A. and attending the Association of Boards of Certification (ABC) Annual Conference in Florida, U.S.A.	Certification	Study Tour	01/09/12	01/20/12	California State University, Sacramento, 3020 State University Drive East, Modoc Hall Suite 1001, Sacramento, CA 95819, U.S.A. Tel . +1-916-278-6142	<ul style="list-style-type: none"> - Eng. Abdelrahman Omari, Chairman of Jordan Board of Certification / WWSST; Technical Expert - Eng. Mohammed Khair Irshaid WWSST/Board Member; Head of the Accreditation and Quality Assurance Center/Ministry of Labor - Eng. Hani Kheifat, WWSST/Board Member; Training Provider ; Acting Director General, Vocational Training Corporation (VTC) - Dr. Bassim Abbassi, Professor, Al-Balqa Applied University (BAU); WWSST/Board Member; Academic sector and institutional partner representative; Technical Expert - Eng. Hanan Kh. Esau, Director of Training Department; Water Authority of Jordan (WAJ) ; Enrollment, Administrative coordination and Quality Assurance for the Jordan Operator Certification Program - Eng. Mustafa Nasser El-Din, Program Coordinator - Arab Countries Water Utilities Association (ACWUA); Liaison with ACWUA member countries and the Jordan Operator Certification Program for regional marketing; Regional Training Marketer representative - Dr. Ziad Abu-Hamatteh, Testing and ISO Specialist - Al Balqa Applied University (BAU); Establish bona fide testing services and support the WWSST to apply for ISO 17024 for 	No	JOD 42,000.00

Serial No.	Training Program Name	Field of Study	Training Type	Start Date	End Date	Training Provider Name and Address in U.S.	Trainee Information (Employer, Title, Address in U.S.)	Certification Issued (Yes/No)	Expenses In JOD Direct Costs
							<p>the Jordan Operator Certification Program</p> <p>- Eng. Mohammed Al-Mahamid, Manager of Wastewater Treatment Plants, Aqaba Water Co.; Wastewater treatment expert and Aqaba Water Company Coordination</p> <p><u>Address in the U.S.:</u></p> <p>Holiday Inn Hotel SACRAMENTO-CAPITOL PLAZA 300 J STREET SACRAMENTO, CA 95814 Front Desk: +1-916-446-0100</p> <p>Embassy Suites Tampa, 513 South Florida Avenue, Tampa, Florida 33602, U.S.A. Phone: +1-813-769-8300</p>		

ANNEX C: OMT Year 4 – Photo Gallery



040112_WWTO_Level II_Yarmouk Water Co



040112_WWTO_Level II_Yarmouk Water Co



040812_WTO_Level I_WAJ Marka



041211_WWTO_Level I_WAJ



041612_OJ-PIP Training



042212_WTO_Level II_Miyahuna_Zai WTP



042212_WTO_Level II_Miyahuna_Zai WTP



051312_WWC_Level I_Pilot Course_AWC



051312_WWC_Level I_Pilot Course_AWC



060312_TOT_Adi ALNajjar



061012_WWTO LIII_Aqaba & Wadi Musa_Pilot Course



061012_WWTO LIII_Aqaba & Wadi Musa_Pilot Course



061112_Water Distribution_LEVEL I_Pilot Course



061112_Water Distribution_LEVEL I_Pilot Course



061712_WTO_Level II_WAJ



061712_WTO_Level II_WAJ



ACWUA 5th Best Practice Conference Muscat Oman



ACWUA 5th Best Practice Conference Muscat Oman

ANNEX D: OMT Project Communications & Success Story



ACWUA promotes Water Operator Certification and Training to Members at Best Practices Conference in Oman

USAID/Jordan provides assistance to implement an operator certification program to improve the qualifications and performance of the people who operate water and wastewater utilities – a program that will also benefit other countries in the Middle East and North Africa region.



ACWUA

“Now proudly implementing operator certification and training”



ACWUA Awarded Regulatory Membership in the Association of Boards of Certification



U.S. Agency for International Development
www.usaid.gov

CHALLENGE Operator certification is new to MENA countries. A dedicated champion is needed to effectively communicate the benefits of operator certification and link the region to the Jordan Water Operators Certification Program. Successfully promoting an operator certification program requires significant marketing expertise, access to decision-makers, consistent effort, and adequate resources.

INITIATIVE To meet these challenges, the OMT project continues to take steps to raise awareness of operator certification and build regional demand for the resources offered by the Jordan Water Operators Certification Program.

In December 2011, the Arab Countries Water Utilities Association (ACWUA), with 18 member countries and over 90 regional utilities, signed a Memorandum of Understanding with OMT, paving the way for ACWUA to promote operator certification and training throughout the MENA region.

OMT has been working closely with ACWUA to build greater awareness and foster interest among ACWUA members to adopt and grow operator certification in the region, including sponsorship of ACWUA’s 5th Best Practices Conference.

RESULTS On June 4, 2012, at the 5th Best Practices Conference in Muscat, Oman, ACWUA, OMT, the Association of Boards of Certification, the Office of Water Programs at California State University, and representatives of the Jordan Water Operators Certification Program delivered a session dedicated to championing operator certification. At this session, ABC awarded ACWUA Regulatory Membership, as approved by the ABC Board of Directors on June 1, 2012.

ANNEX E: OMT Project Inventory

INVENTORY TRACKER (FOR ALL IT & Non-IT EQUIPMENT PURCHASED UNDER USAID-funded OMT Project)

Operations and Maintenance Training Project/Jordan

Project Property

Note: US\$ 0.708

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Furniture													
S.#	Project ID #	Date	Type	Description	Location Rm #	Vendor	Serial #	Qty	Total in JD	Total in US\$	Purchase Order Number	Condition of item	Disposition type (this column is for use at the end of the project)
	001	4-Jun-08	Chair	Employee Chair - Mid Back	1	Orchid Furniture	N/A	1	JOD 28.00	\$39.55	1	Good	CAQA
	002	4-Jun-08	Chair	Employee Chair - Mid Back	4	Orchid Furniture	N/A	1	JOD 28.00	\$39.55	1	Good	CAQA
	003	4-Jun-08	Chair	Executive Chair - High Back	4	Orchid Furniture	N/A	1	JOD 33.00	\$46.61	1	Good	BAU
	004	4-Jun-08	Chair	Visitors Chair	2	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	BAU
	005	4-Jun-08	Chair	Visitors Chair - For the Round Table	2	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	BAU
	006	4-Jun-08	Chair	Visitors Chair - For the Round Table	2	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	BAU
	007	4-Jun-08	Cabinet	Filing Cabinet with Glass	2	Orchid Furniture	N/A	1	JOD 90.00	\$127.12	1	Good	BAU
	008	22-Jun-08	Cabinet	Filing Cabinet with 2 Drawers	2	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	5	Good	BAU
	009	4-Jun-08	Desk	Executive Desk - 180 cm.	2	Orchid Furniture	N/A	1	JOD 125.00	\$176.55	1	Good	BAU
	010	4-Jun-08	Table	Round Table	2	Orchid Furniture	N/A	1	JOD 68.00	\$96.05	1	Good	BAU
	011	4-Jun-08	Desk Ext.	Desk Extension - Side Table - 75cm.	2	Orchid Furniture	N/A	1	JOD 35.00	\$49.44	1	Good	BAU
	012	4-Jun-08	Table	Small Guest Table	2	Orchid Furniture	N/A	1	JOD 19.00	\$26.84	1	Good	BAU
	013	4-Jun-08	Desk	Employee Desk - 140 cm.	3	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1	Good	BAU
	014	4-Jun-08	Desk Ext.	Desk Extension - Side Table - 75cm.	3	Orchid Furniture	N/A	1	JOD 35.00	\$49.44	1	Good	BAU
	015	28-Jul-08	Desk Ext.	Desk Extension - Side Table - 75cm.	3	Orchid Furniture	N/A	1	JOD 40.00	\$56.50	35	Good	BAU
	016	4-Jun-08	Desk	Employee Desk - 140 cm.	3	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1	Good	BAU
	017	4-Jun-08	Desk Ext.	Desk Extension - Side Table - 75cm.	3	Orchid Furniture	N/A	1	JOD 35.00	\$49.44	1	Good	CAQA
	018	4-Jun-08	Table G.	Small Guest Table	3	Orchid Furniture	N/A	1	JOD 19.00	\$26.84	1	Good	CAQA
	154	4-Jun-08	Table G.	Small Guest Table	3	Orchid Furniture	N/A	1	JOD 19.00	\$26.84	1	Good	CAQA
	019	4-Jun-08	Chair	Visitors Chair	5	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	CAQA
	020	4-Jun-08	Chair	Visitors Chair	3	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	CAQA
	021	4-Jun-08	Chair	Employee Chair - Mid Back	3	Orchid Furniture	N/A	1	JOD 28.00	\$39.55	1	Good	CAQA
	022	4-Jun-08	Chair	Employee Chair - Mid Back	1	Orchid Furniture	N/A	1	JOD 28.00	\$39.55	1	Good	CAQA
	023	22-Jun-08	Cabinet	Filing Cabinet with 3 Drawers - Metal	3	Orchid Furniture	N/A	1	JOD 95.00	\$134.18	5	Good	CAQA
	024	22-Jun-08	Cabinet	Filing Cabinet with 3 Drawers - Metal	3	Orchid Furniture	N/A	1	JOD 95.00	\$134.18	5	Good	CAQA
	025	4-Jun-08	Desk	Employee Desk - 140 cm.	4	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1	Good	CAQA
	026	4-Jun-08	Desk	Employee Desk - 140 cm.	4	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1	Good	CAQA
	027	4-Jun-08	Desk	Employee Desk - 140 cm.	4	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1	Good	CAQA
	028	4-Jun-08	Desk	Employee Desk - 140 cm.	4	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1	Good	CAQA
	029	28-Jul-08	Desk Ext.	Desk Extension - Side Table - 75cm.	5	Orchid Furniture	N/A	1	JOD 40.00	\$56.50	35	Good	CAQA
	030	28-Jul-08	Desk Ext.	Desk Extension - Side Table - 75cm.	4	Orchid Furniture	N/A	1	JOD 40.00	\$56.50	35	Good	CAQA
	031	4-Jun-08	Chair	Visitors Chairs	4	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	BAU
	032	4-Jun-08	Chair	Visitors Chairs	4	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	BAU
	033	4-Jun-08	Chair	Visitors Chairs	4	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	CAQA
	034	4-Jun-08	Chair	Visitors Chairs	3	Orchid Furniture	N/A	1	JOD 23.00	\$32.49	1	Good	CAQA
	035	4-Jun-08	Chair	Employee Chair - Mid Back	4	Orchid Furniture	N/A	1	JOD 28.00	\$39.55	1	Good	CAQA
	036	4-Jun-08	Chair	Employee Chair - Mid Back	4	Orchid Furniture	N/A	1	JOD 28.00	\$39.55	1	Good	BAU
	037	4-Jun-08	Chair	Employee Chair - Mid Back	1	Orchid Furniture	N/A	1	JOD 28.00	\$39.55	1	Good	BAU
	038	4-Jun-08	Chair	Employee Chair - Mid Back	3	Orchid Furniture	N/A	1	JOD 28.00	\$39.55	1	Good	BAU

039	4-Jun-08	Cabinet	Filing Cabinet with Glass	5	Orchid Furniture	N/A	1	JOD 90.00	\$127.12	1	Good	CAQA	
040	4-Jun-08	Cabinet	Filing Cabinet with Glass	4	Orchid Furniture	N/A	1	JOD 90.00	\$127.12	1	Good	CAQA	
041	4-Jun-08	Table G.	Small Guest Table	4	Orchid Furniture	N/A	1	JOD 19.00	\$26.84	1	Good	BAU	
358	13-Dec-12	Desk	Employee Desk - 140 cm.	5	Orchid Furniture	N/A	1	JOD 60.35	\$85.24	858	Good	BAU	
359	13-Dec-12	Desk	Employee Desk - 140 cm.	5	Orchid Furniture	N/A	1	JOD 60.35	\$85.24	858	Good	BAU	
360	30-Nov-11	Cabinet	Filing Cabinet	4	Orchid Furniture	N/A	1	JOD 88.00	\$124.29	856	Good	BAU	
361	30-Nov-11	Cabinet	Filing Cabinet	4	Orchid Furniture	N/A	1	JOD 88.00	\$124.29	856	Good	BAU	
362	30-Nov-11	Chair	Employee Chair - Mid Back	5	Orchid Furniture	N/A	1	JOD 30.00	\$42.37	856	Good	BAU	
363	30-Nov-11	Chair	Employee Chair - Mid Back	5	Orchid Furniture	N/A	1	JOD 30.00	\$42.37	856	Good	BAU	
364	30-Nov-11	Table G.	Small Guest Table	5	Orchid Furniture	N/A	1	JOD 20.00	\$28.25	856	Good	BAU	
Sub Total							Count Sub	49	JOD 2,319.70	\$ 3,276.41			
Computer Equipment													
042	18-Jun-08	Computer Case	Dell Optiplex 755 Workstation	5	NovoTek	8HMQC3J	1	JOD 750.00	\$1,059.32	3	Good	BAU	
043	18-Jun-08	Monitor	Dell 17" LCD Monitor (with 075)	1	NovoTek	CN-0HX874-64180-7B8-0YEL	1	JOD 0.00	\$0.00	3	Good	BAU	
044	18-Jun-08	Keyboard	Dell Keyboard (with 068)	5	NovoTek	CN-0DJ335-71616-78k-0Gab	1	JOD 0.00	\$0.00	3	Good	CAQA	
045	18-Jun-08	Mouse	Dell Mouse (with 054)	3	NovoTek	J1500EJ7	1	JOD 0.00	\$0.00	3	Good	CAQA	
046	13-Jul-08	Monitor	Dell 17" LCD Monitor	2	NovoTek	CN-0CN086-64180-83F-1FAS	1	JOD 155.00	\$218.93	31	Good	CAQA	
047	13-Jul-08	Server	Dell Power Edge 1900 Server	1	NovoTek	BFXDB3J	1	JOD 2,155.00	\$3,043.79	31	Good	CAQA	
048	31-Jul-08	Switch Box	Switch Box - 8 Ports	1	NovoTek	AVS709002507	1	JOD 12.00	\$16.95	58	Good	CAQA	
049	18-Jun-08	UPS	OPTI-ESC 550V UPS	5	NovoTek	652362903731	1	JOD 90.00	\$127.12	3	Poor	Dispose	
050	18-Jun-08	UPS	OPTI-ESC 550V UPS	1	NovoTek	652362362903766	1	JOD 90.00	\$127.12	3	Poor	Dispose	
051	22-Jun-08	Laptop	HP 6510b Laptop	4	From HO	CNU8143CSV	1	JOD 1,195.81	\$1,689.00	HO	Good	CAQA	
052	22-Jun-08	Docking Station	HP 6510b Docking Station	4	From HO	CNU816Y32Q	1	JOD 0.00	\$0.00	HO	Good	CAQA	
053	10-Jul-08	Printer	HP Laser Jet P1005 (with 357)	2	NovoTek	VNC6N15519	1	JOD 82.00	\$115.82	25	Good	BAU	
054	18-Jun-08	Workstation	Dell Optiplex 755 Workstation	3	NovoTek	1MMQC3J	1	JOD 750.00	\$1,059.32	3	Good	CAQA	
055	18-Jun-08	Monitor	Dell 17" LCD Monitor	3	NovoTek	CN-0HX874-641A07B8-0Z2L	1	JOD 0.00	\$0.00	3	Good	CAQA	
056	18-Jun-08	Keyboard	Dell Keyboard	3	NovoTek	CN-0DJ335-71616-78K-0G96	1	JOD 0.00	\$0.00	3	Good	CAQA	
057	18-Jun-08	Mouse	Dell Mouse (with 075)	3	NovoTek	G1A00XJ5	1	JOD 0.00	\$0.00	3	Good	BAU	
058	18-Jun-08	Workstation	Dell Optiplex 755 Workstation	3	NovoTek	2GMQC3J	1	JOD 750.00	\$1,059.32	3	Good	BAU	
059	18-Jun-08	Monitor	Dell 17" LCD Monitor (with 058)	3	NovoTek	CN-0HX874-64180-7B8-0YHL	1	JOD 0.00	\$0.00	3	Good	BAU	
060	18-Jun-08	Keyboard	Dell Keyboard (with 058)	3	NovoTek	CN-0DJ335-71616-7AK-0EZO	1	JOD 0.00	\$0.00	3	Good	BAU	
061	18-Jun-08	Mouse	Dell Mouse (with 058)	3	NovoTek	G1500EGZ	1	JOD 0.00	\$0.00	3	Good	BAU	
062	18-Jun-08	UPS	OPTI-ESC 550V UPS	3	NovoTek	652354108426	1	JOD 90.00	\$127.12	3	Poor	Dispose	
063	18-Jun-08	UPS	OPTI-ESC 550V UPS	3	NovoTek	652354108405	1	JOD 90.00	\$127.12	3	Poor	Dispose	
064	24-Jun-08	Flash Memory	Flash Memory - 8 GB	3	Raja' Stationary	N/A	1	JOD 27.00	\$38.14	10	Good	BAU	
065	10-Jul-08	Flash Memory	Flash Memory - 2 GB - Rania (with 058)	3	Raja' Stationary	N/A	1	JOD 10.00	\$14.12	23	Good	BAU	
066	11-Aug-08	Monitor	Dell 17" LCD Monitor	5	Transferred from A USAID Project	MX-08R339-47605-3AA-E263		JOD 0.00	\$0.00	Transfer Letter	Used	BAU	
067	11-Aug-08	Monitor	Dell 17" LCD Monitor	4	Transferred from A USAID Project	MX-08R339-47605-3AA-E265		JOD 0.00	\$0.00	Transfer Letter	Used	CAQA	
068	18-Jun-08	Workstation	Dell Optiplex 755 Workstation	5	NovoTek	HLMQC3J	1	JOD 750.00	\$1,059.32	3	Good	CAQA	
069	18-Jun-08	Monitor	Dell 17" LCD Monitor (with 068)	5	NovoTek	CN-0HX874-64180-7B8-08EL	1	JOD 0.00	\$0.00	3	Good	CAQA	
070	18-Jun-08	Mouse	Dell Mouse (with 042)	5	NovoTek	G1500FHF	1	JOD 0.00	\$0.00	3	Good	BAU	
071	18-Jun-08	Keyboard	Dell Keyboard (with 042)	5	NovoTek	CN-0DJ335-71616-7AK-0F50	1	JOD 0.00	\$0.00	3	Good	BAU	
072	18-Jun-08	UPS	OPTI-ESC 550V UPS	1	NovoTek	652362903733	1	JOD 90.00	\$127.12	3	Poor	Dispose	
073	22-Jun-08	Laptop	HP 6510b Laptop	3	From HO	CMU8143D1T	1	JOD 1,195.81	\$1,689.00	HO	Good	CAQA	
074	22-Jun-08	Docking Station	HP 6510b Docking Station	4	From HO	CMU816Y32P	1	JOD 0.00	\$0.00	HO	Good	CAQA	
075	11-Aug-08	Computer Case	Dell Optiplex GX270	1	Transferred from A USAID Project	1xpm41g	1	JOD 0.00	\$0.00	Transfer Letter	Used	BAU	
076	11-Aug-08	Monitor	Dell 19" LCD Monitor (with 042)	5	Transferred from A USAID Project	CN-04Y281-71618-44t-B69	1	JOD 0.00	\$0.00	Transfer Letter	Used	BAU	
077	11-Aug-08	Mouse	Dell Mouse (with 068)	5	Transferred from A USAID Project	418014830	1	JOD 0.00	\$0.00	Transfer Letter	Used	CAQA	
078	11-Aug-08	Keyboard	Dell Keyboard	4	Transferred from A USAID Project	TH-04N454-37171-34U-F095	1	JOD 0.00	\$0.00	Transfer Letter	Used	BAU	
079	11-Aug-08	UPS	Tripp-Lite UPS	4	Transferred from A USAID Project	9210AY0BC425000526	1	JOD 0.00	\$0.00	Transfer Letter	Used	Dispose	
080	11-Aug-08	Monitor	Dell 17" LCD Monitor	4	Transferred from A USAID Project	MX-08R339-47605-3AA-E30Z	1	JOD 0.00	\$0.00	Transfer Letter	Used	CAQA	
081	11-Aug-08	UPS	UPS 500	IdRC	Transferred from A USAID Project	JB0306036918	1	JOD 0.00	\$0.00	Transfer Letter	Poor	Dispose	

	082	11-Aug-08	UPS	UPS 500	5	Transferred from A USAID Project	JB0306034874	1	JOD 0.00	\$0.00	Transfer Letter	Poor	Dispose	
	083	28-Jul-08	Router	Wireless Router Linksys WR54GS	1	Jabarin Info. Tech.	CGNB1H111122	1	JOD 75.00	\$105.93	39	Good	CAQA	
Sub Total								Count Sub	40	JOD 8,357.62	\$ 11,804.55			
Machinery & Equipment														
	084	10-Jul-08	Photocopier	Xerox Work center Photo Copier	1	Arabian Office Automation Co.	3312765011	1	JOD 3,250.00	\$4,590.40	27	Good	CAQA	
	085	10-Jul-08	Phone	GE Telephone - Single Line	4	Refa'at Al-Nabulsi	70064006	1	JOD 15.00	\$21.19	19	Good	CAQA	
	086	28-Jul-08	Switch Board	NEC Switchboard	1	Refa'at Al-Nabulsi	L283015S430795	1	JOD 255.00	\$360.17	42	Good	CAQA	
	087	28-Jul-08	Systems	Auto Answering & Voice Mail Box	1	Refa'at Al-Nabulsi	253587	1	JOD 350.00	\$494.35	42	Good	CAQA	
	088	28-Jul-08	Phone	NEC Telephone	2	Refa'at Al-Nabulsi	L263295S460099	1	JOD 48.00	\$67.80	42	Good	BAU	
	089	10-Jul-08	Fax & Scanner	Xerox Phaser 3200 MFP	3	Arabian Office Automation Co.	3841087185	1	JOD 350.00	\$494.35	27	Good	BAU	
	090	10-Jul-08	Phone	NEC Telephone	3	Refa'at Al-Nabulsi	L263315S267727	1	JOD 53.00	\$74.86	19	Good	BAU	
	091	28-Jul-08	Phone	NEC Telephone	3	Refa'at Al-Nabulsi	L263295S460123	1	JOD 48.00	\$67.80	42	Good	CAQA	
	092	10-Jul-08	Phone	GE Telephone - Single Line	4	Refa'at Al-Nabulsi	70064003		JOD 15.00	\$21.19	19	Good	BAU	
	093	10-Jul-08	Mobile	Mobile Set - Nokia 2626	3	Zain	359546011357208	1	JOD 4.00	\$5.65	26	Good	CAQA	
	094	10-Jul-08	Mobile	Mobile Set - Nokia 2626	4	Zain	359546011357562	1	JOD 4.00	\$5.65	26	Poor	Dispose	
	095	10-Jul-08	Mobile	Mobile Set - Nokia 2626	3	Zain	359546011357299	1	JOD 4.00	\$5.65	26	Fair	CAQA	
	096	10-Jul-08	Mobile	Mobile Set - Nokia 1650	3	Zain	352050023711327	1	JOD 4.00	\$5.65	26	Good	BAU	
	097	10-Jul-08	Mobile	Mobile Set - Nokia 1650	3	Zain	354162028826469	1	JOD 4.00	\$5.65	26	Good	CAQA	
	161	22-Mar-10	Mobile	Mobile Set - Nokia 1208	3	Zain	353519021862612	1	JOD 0.00	\$0.00		Poor	Dispose	
	098	11-Aug-08	Camera	Digital Camera - Sony DSC-H10	3	Smart Buy	SO1-2277143	1	JOD 267.24	\$377.46	57	Good	ISSP	
	099	11-Aug-08	Data Show	Panasonic LCD Projector	3	Transferred from A USAID Project	SA4140243	1	JOD 0.00	\$0.00	Transfer Letter	Used	ISSP	
	100	11-Aug-08	GPS	GPS	3	Transferred from A USAID Project	84561164	1	JOD 0.00	\$0.00	Transfer Letter	Poor	Dispose	
	101	11-Aug-08	Printer	Xerox Phrase 4500 Printer	Storage	Transferred from A USAID Project	PMU327387	1	JOD 0.00	\$0.00	Transfer Letter	Poor	Dispose	
	102	10-Jul-08	Phone	GE Telephone - Single Line	5	Refa'at Al-Nabulsi	70064009	1	JOD 15.00	\$21.19	19	Good	CAQA	
	103	10-Jul-08	Phone	GE Telephone - Single Line	4	Refa'at Al-Nabulsi	70064004	1	JOD 15.00	\$21.19	19	Good	BAU	
	104	10-Jul-08	Phone	GE Telephone - Single Line	4	Refa'at Al-Nabulsi	70064002	1	JOD 15.00	\$21.19	19	Good	CAQA	
	105	10-Jul-08	Phone	GE Telephone - Single Line	5	Refa'at Al-Nabulsi	70064007	1	JOD 15.00	\$21.19	19	Good	BAU	
	106	10-Jul-08	Phone	GE Telephone - Single Line	1	Refa'at Al-Nabulsi	70053091	1	JOD 15.00	\$21.19	19	Good	CAQA	
	107	10-Jul-08	Rack	Switch 16 Port LG Rack	1	Techno Elements	N/A	1	JOD 37.00	\$52.26	24	Good	CAQA	
Sub Total								Count Sub	24	JOD 4,783.24	\$ 6,755.99			
Project Vehicles														
	108	13-Jul-08	Vehicle	Ford Explorer XLT - Model: 2008	N/A	The Commercial & Industrial Co.	1FMU73E58UA76565	1	JOD 19,500.00	\$27,542.37	33	Good	Construction of the Mafrag Wastewater Treatment Plant (CMWTP)	
	155	3-Aug-08	Fire Extinguisher	Fire Extinguisher - CO2 / 1Kg.	Vehicle	Al-Awael Co.	N/A	1	JOD 31.00	\$43.79	48	Good	Construction of the Mafrag Wastewater Treatment Plant (CMWTP)	
Sub Total								Count Sub	2	JOD 19,531.00	\$ 27,586.16			
Miscellaneous														
	109	22-Jun-08	Binder	Binding Machine Rilegatrice	1	Raja' Stationary	227533504	1	JOD 350.00	\$494.35	6	Good	CAQA	
	110	26-Jun-08	Cutter	Paper Trimmer KW-trio 3911	1	Raja' Stationary	N/A	1	JOD 45.00	\$63.56	16	Good	CAQA	
	111	25-Jun-08	Puncher	Paper Puncher - Kangaro HDP-2150	1	Raja' Stationary	N/A	1	JOD 47.00	\$66.38	12	Good	CAQA	
	112	25-Jun-08	Trash Can	Trash Can	1	Raja' Stationary	N/A	1	JOD 4.50	\$6.36	12	Good	CAQA	
	113	3-Aug-08	Fire Extinguisher	Fire Extinguisher - CO2 / 2Kg.	Hall	Al-Awael Co.	N/A	1	JOD 31.00	\$43.79	48	Good	USAID	
	153	11-Aug-08	Scanner	Canon Scan Lide 25	4	Transferred from A USAID Project	NKBHA60694	1	JOD 0.00	\$0.00	Transfer Letter	Used	CAQA	
	114	23-Jun-08	W. Board	White Board	4	Raja' Stationary	N/A	1	JOD 25.00	\$35.31	7	Good	CAQA	
	115	23-Jun-08	B. Board	Bulletin Board - 90x120 cm.	2	Raja' Stationary	N/A	1	JOD 35.00	\$49.44	7	Good	BAU	
	116 (old); 418	1-Jul-08	Head Set	Head Set	3	Jabarin Inf. Tech.	N/A	2	JOD 5.00	\$7.06	26	Good	CAQA	

	(new)												
	117	1-Jul-08	Speakers	Speakers	5	Jabarin Inf. Tech.	2MS0380B07121412710	1	JOD 8.00	\$11.30	26	Poor	Dispose
	118	25-Jun-08	Trash Can	Trash Can	2	Raja' Stationary	N/A	1	JOD 4.50	\$6.36	12	Good	BAU
	119	2-Jul-08	Hanger	Coat Hanger - Small Size	2	Infinity	N/A	1	JOD 0.90	\$1.27	26	Good	BAU
	120	3-Aug-08	Fire Extinguisher	Fire Extinguisher - CO2 / 2Kg.	Hall	Al-Awael Co.	N/A	1	JOD 31.00	\$43.79	48	Good	USAID
	121	28-Jul-08	W. Board	White Board	3	Raja' Stationary	N/A	1	JOD 58.00	\$81.92	38	Good	BAU
	122	23-Jun-08	B. Board	Bulletin Board - 40x60 cm.	3	Raja' Stationary	N/A	1	JOD 15.00	\$21.19	7	Good	CAQA
	123	23-Jun-08	B. Board	Bulletin Board - 40x60 cm.	3	Raja' Stationary	N/A	1	JOD 15.00	\$21.19	7	Good	CAQA
	124	25-Jun-08	Trash Can	Trash Can	3	Raja' Stationary	N/A	2	JOD 9.00	\$12.71	12	Good	CAQA
	160	10-Jul-08	Cooler	Water cooler	3	Ishtar	7606084038	1	JOD 150.00	\$211.86	30	Good	CAQA
	126	10-Jul-08	Bottles	Water bottles	3	Ishtar	N/A	1		\$0.00	30	Good	CAQA
	127	11-Aug-08	Safe	Fire proof Safe - Model: Dia	3	The Business Technology Co.	ESD 104A	1	JOD 235.00	\$331.92	54	Good	CAQA
	128	Jul-08	Ladder	Ladder - 5 Steps	3	Al-Mukhtar Stores	N/A	1	JOD 15.50	\$21.89	26	Good	CAQA
	129	2-Jul-08	Hanger	Coat Hanger - Medium Size	3	Infinity	N/A	1	JOD 1.20	\$1.69	26	Good	CAQA
	130 Old 187 New	18-Jun-08	Software's	Recovery Software's - For Each of Dell Workstations	3	NovoTek	N/A	4	JOD 0.00	\$0.00	3	Good	Included in Dell workstations
	131	18-Jun-08	Software	MS Office 2007 Pro (with 058)	3	NovoTek	1190	1	JOD 225.00	\$317.80	4	Good	BAU
	132	18-Jun-08	Software	MS Office 2007 Pro (with 054)	3	NovoTek	1222	1	JOD 225.00	\$317.80	4	Good	CAQA
	133	18-Jun-08	Software	MS Office 2007 Pro (with 042)	3	NovoTek	1216	1	JOD 225.00	\$317.80	4	Good	BAU
	134	18-Jun-08	Software	MS Office 2007 Pro (with 068)	3	NovoTek	1199	1	JOD 225.00	\$317.80	4	Good	CAQA
	135	18-Jun-08	Software	PC Cillin Internet Security 2007	3	NovoTek	4030119006446	1	JOD 35.00	\$49.44	4	Good	BAU
	136	18-Jun-08	Software	PC Cillin Internet Security 2007	3	NovoTek	4030119006446	1	JOD 35.00	\$49.44	4	Good	CAQA
	137	18-Jun-08	Software	PC Cillin Internet Security 2007	3	NovoTek	4030119006446	1	JOD 35.00	\$49.44	4	Good	BAU
	138	18-Jun-08	Software	PC Cillin Internet Security 2007	3	NovoTek	4030119006446	1	JOD 35.00	\$49.44	4	Good	CAQA
	139	18-Jun-08	Software	PC Cillin Internet Security 2007	3	NovoTek	4030119006446	1	JOD 35.00	\$49.44	4	Good	CAQA
	140	13-Jul-08	Software	Windows Server Std 2003 R2 w/SP2 English	3	NovoTek	660	1	JOD 520.00	\$734.46	31	Good	USAID
	141 & 186	13-Jul-08	Software/License	Windows Svr CAL 2003 English 5CLT User 2 CD's included	3	NovoTek	39221184702	1	JOD 98.00	\$138.42	31	Good	USAID
	156 Old 185 New	7-Apr-09	Software	MS Visio 2007 (with 042)	3	Convergence C&T	N/A	1	JOD 170.00	\$239.44	157	Good	BAU
	157 Old 184 New	May, 2009	Software	Acrobat 9.0 Professional (with 054)	3	Home Office		1	JOD 118.21	\$166.97		Good	CAQA
	142	23-Jun-08	W. Board	White Board	4	Raja' Stationary	N/A	1	JOD 25.00	\$35.31	7	Good	CAQA
	143	28-Jul-08	W. Board	White Board	5	Raja' Stationary	N/A	1	JOD 27.50	\$38.84	38	Good	BAU
	144	3-Aug-08	B. Board	Bulletin Board	4	Raja' Stationary	N/A	1	JOD 34.80	\$49.15	47	Good	BAU
	145	2-Jul-08	Hanger	Coat Hanger - Large Size	5	Infinity	N/A	1	JOD 1.55	\$2.19	26	Good	CAQA
	146	25-Jun-08	Trash Can	Trash Can	4	Raja' Stationary	N/A	4	JOD 18.00	\$25.42	12	Good	CAQA
	147	3-Aug-08	Fire Extinguisher	Fire Extinguisher - CO2 / 2Kg.	1	Al-Awael Co.	N/A	1	JOD 31.00	\$43.79	48	Good	USAID
	148	11-Aug-08	Speakers	Dell Speakers	4	Transferred from A USAID Project	CN-0W2737-69800-433-3696	1	JOD 0.00	\$0.00	Transfer Letter	Poor	Dispose
	149	3-Aug-08	Smoke Detector	Smoke Detector	Kitchen	Al-Awael Co.	N/A	1	JOD 18.00	\$25.42	48	Good	CAQA
	150	3-Aug-08	Fire Extinguisher	Fire Extinguisher - CO2 / 2Kg.	Kitchen	Al-Awael Co.	N/A	1	JOD 31.00	\$43.79	48	Good	USAID
	151	10-Aug-08	Flip Chart	Flip Chart Stand & Papers	Meeting Room	Raja' Stationary	N/A	1	JOD 84.75	\$119.70	53	Good	CAQA
	152	10-Aug-08	Screen	White Screen for the Data Show	Meeting Room	Raja' Stationary	8030907454	1	JOD 150.00	\$211.86	55	Good	ISSP
	154	Aug-09	Software	Kaspersky Business Space (10 users)	Electronic on Server	Digital Solutions Technology	N/A	1	JOD 305.30	\$431.21	239	Expired	Dispose
	156	Nov-09	Hardware	HDD External IDE to USB Cable	3	Zillion Technologies	N/A	1	JOD 10.00	\$14.12		Good	Dispose
	158	Mar-10	Small Oven	Black & Decker Small Electric Oven	Kitchen			1	JOD 45.69	\$64.53		Good	CAQA
	159	Mar-10	Coffee Maker	Black & Decker Coffee maker	Kitchen			1	JOD 55.17	\$77.92		Good	CAQA
	162	Mar-10	Ground Fan	SONA Small Office Fan	1			1	JOD 16.81	\$23.74		Good	CAQA
	163	Mar-10	Ground Fan	SONA Small Office Fan	Storage			1	JOD 16.81	\$23.74		Good	CAQA
	164	Aug-10	VideoCamera	FlipVedio Camera	3	Home Office	9268400072	1				Good	Chemonics
	166		Chair	Employee Chair	2	Orchid Furniture	N/A	1		\$0.00		Good	BAU
	167		Chair	Booth Chair	2	Creations	Part of a Booth	1		\$0.00		Good	BAU
	169		Chair	Booth Chair	2	Creations	Part of a Booth	1		\$0.00		Good	BAU

170		Chair	Booth Chair	2	Creations	Part of a Booth	1		\$0.00		Good	BAU
165		Fire Extinguisher	Fire Extinguisher - CO2 / 2Kg.	Hall	Al-Awael Co.	N/A	1	JOD 31.00	\$43.79		Good	USAID
171		Cash Box	Cash box for putty cash	3		N/A	1		\$0.00		Poor	Dispose
172		Vase	Glass Vase	3		N/A	1		\$0.00		Good	CAQA
173	Mar-11	Software	MS Office 2010 (with 051)	3	Dara for Computers	99994-683042-104	1	JOD 205.00	\$289.55	571	Good	CAQA
174	Mar-11	Software	MS Office 2010 (with 073)	3	Dara for Computers	99994-683-041-038	1	JOD 205.00	\$289.55	571	Good	CAQA
175	Mar-11	Software	MS Office 2010 (with 075)	3	Dara for Computers	99994-683-042-114	1	JOD 205.00	\$289.55	571	Good	BAU
176	Mar-11	Software	Windows 7 Pro 32-Bit (with 075)	3	Dara for Computers	180444963392	1	JOD 98.00	\$138.42	571	Good	BAU
177	Mar-11	Software	Windows 7 Pro 32-Bit (with 073)	3	Dara for Computers	180444963391	1	JOD 98.00	\$138.42	571	Good	CAQA
178	Mar-11	Software	Windows 7 Pro 32-Bit (with 051)	3	Dara for Computers	180444963393	1	JOD 98.00	\$138.42	571	Good	CAQA
179	Mar-11	Software	Windows 7 Pro 32-Bit (with 068)	3	Dara for Computers	180444963395	1	JOD 98.00	\$138.42	571	Good	CAQA
180	Mar-11	Software	Windows 7 Pro 32-Bit (with 058)	3	Dara for Computers	180444963389	1	JOD 98.00	\$138.42	571	Good	BAU
181	Mar-11	Software	Windows 7 Pro 32-Bit (with 054)	3	Dara for Computers	180444963390	1	JOD 98.00	\$138.42	571	Good	CAQA
182	Mar-11	Software	Windows 7 Pro 32-Bit (with 042)	3	Dara for Computers	180444963394	1	JOD 98.00	\$138.42	571	Good	BAU
188	Dec-08	Phone	Satellite Phone	3	Home Office		1	JOD 1,040.76	\$1,470.00	HO	Good	ISSP
267	Sep-11	Printer	Canon iP4840 Inkjet Printer	4	United Electronic	ABVT64946	1	JOD 90.00	\$127.12	730	Good	CAQA
268	Mar-11	UPS	APC Smart-UPS SC 1500	1	Dara for Computers	551021712386	1	JOD 440.00	\$621.47	571	Good	CAQA
269	Mar-11	UPS	APC Back-UPS SC 550	1	Dara for Computers	5B0903T54058	1	JOD 85.00	\$120.06	571	Good	CAQA
270	Mar-11	UPS	APC Back-UPS SC 550	1	Dara for Computers	5B0903T54057	1	JOD 85.00	\$120.06	571	Good	BAU
271	Mar-11	UPS	APC Back-UPS SC 550	5	Dara for Computers	5B0903T54050	1	JOD 85.00	\$120.06	571	Good	CAQA
272	Mar-11	UPS	APC Back-UPS SC 550	3	Dara for Computers	5B0903T54326	1	JOD 85.00	\$120.06	571	Poor	Dispose
273	Mar-11	UPS	APC Back-UPS SC 550	3	Dara for Computers	5B0903T54319	1	JOD 85.00	\$120.06	571	Good	BAU
357	31-Jan-12	Laptop	Dell N5110 Laptop with Windows 7 Home Premium Edition	2	Smart Systems	(Windows-00174837607251)	1	JOD 651.00	\$919.49	947	Good	BAU
274 (old) 417 (new)	14-Feb-12	Software	MS Office 2010 (with 357)	2	Smart Systems	99994-683-042-114	1	JOD 230.00	\$324.86	959	Good	BAU
340	20-Mar-12	Hardware	500 GB External Hard Drive	3	Smart Systems	2GHXHNSD	1	JOD 72.00	\$101.69	1023	Good	Use for storing project files at close-out
391	15-Oct-12	Hardware	1000 GB (1 TB) External Hard Drive	3	Dara for Computers	WXA1C42J5512	1	JOD 85.00	\$120.06	1416	Good	Use for storing project files at close-out
365	Aug-12	Whiteboard	White Board	2	Raja' Stationary	N/A	1	JOD 33.00	\$46.61	1329	Excellent	BAU
366	Aug-12	Stamps	Stamps for CAQA (CAQA Name)	CAQA	Raja' Stationary	N/A	1	JOD 7.00	\$9.89	1329	Excellent	CAQA
367	Aug-12	Stamps	Stamps for CAQA (Original Copy)	CAQA	Raja' Stationary	N/A	1	JOD 5.50	\$7.77	1329	Excellent	CAQA
368	Aug-12	Stamps	Stamps for CAQA (CAQA Director)	CAQA	Raja' Stationary	N/A	1	JOD 7.50	\$10.59	1329	Excellent	CAQA
369	Aug-12	Stamps	Stamps for CAQA (Incoming mail with date)	CAQA	Raja' Stationary	N/A	1	JOD 21.00	\$29.66	1329	Excellent	CAQA
370	Aug-12	Software	Indesign CS6	4	Dara for Computers	91064097	1	JOD 345.00	\$487.29	1338	Good	CAQA
371	Aug-12	Hardware	HP Desktop 3500 G640 Computer System	CAQA	Dara for Computers	CNC2240HS5	1	JOD 340.00	\$480.23	1342	Excellent	CAQA
372	Aug-12	Hardware	HP Desktop 3500 G640 Computer System	BAU	Dara for Computers	CZC2240HSL	1	JOD 340.00	\$480.23	1342	Excellent	BAU
373	Aug-12	Hardware	HP Monitor LCD 20"	CAQA	Dara for Computers	CNC213PJ6X	1	JOD 100.00	\$141.24	1342	Excellent	CAQA
374	Aug-12	Hardware	HP Monitor LCD 20"	BAU	Dara for Computers	CNC213PHCZ	1	JOD 100.00	\$141.24	1342	Excellent	BAU
375	Aug-12	Hardware	Toshiba Satellite C660 Laptop	CAQA	Dara for Computers	3C417887K	1	JOD 345.00	\$487.29	1342	Excellent	CAQA
376	Aug-12	Hardware	Toshiba Satellite C660 Laptop	BAU	Dara for Computers	PSC0SV-02S01JAR	1	JOD 345.00	\$487.29	1342	Excellent	BAU
377	Aug-12	Hardware	HP Printer LJP1606DN	CAQA	Dara for Computers	VNC4L07236	1	JOD 145.00	\$204.80	1342	Excellent	CAQA

378	Aug-12	Hardware	HP Printer LJP1606DN	BAU	Dara for Computers	VNC4L07239	1	JOD 145.00	\$204.80	1342	Excellent	BAU
379	Aug-12	Hardware	NEC Projector V260	CAQA	Dara for Computers	1Z43215EC	1	JOD 365.00	\$515.54	1342	Excellent	CAQA
380	Aug-12	Hardware	NEC Projector V260	BAU	Dara for Computers	01150725-1Z42677EC	1	JOD 365.00	\$515.54	1342	Excellent	BAU
381	Aug-12	Hardware	HP Scanner 5590	CAQA	Dara for Computers	CN21NVHOJV	1	JOD 235.00	\$331.92	1342	Excellent	CAQA
382	Aug-12	Hardware	HP Scanner 5590	BAU	Dara for Computers	CN1CMVH03D	1	JOD 235.00	\$331.92	1342	Excellent	BAU
383	Aug-12	Software	MS Windows 7 Pro 64bit	CAQA	Dara for Computers	180449689715	1	JOD 105.00	\$148.31	1342	Excellent	CAQA
384	Aug-12	Software	MS Windows 7 Pro 64bit	CAQA	Dara for Computers	180449689716	1	JOD 105.00	\$148.31	1342	Excellent	CAQA
385	Aug-12	Software	MS Windows 7 Pro 64bit	BAU	Dara for Computers	180449689730	1	JOD 105.00	\$148.31	1342	Excellent	BAU
386	Aug-12	Software	MS Windows 7 Pro 64bit	BAU	Dara for Computers	180448743984	1	JOD 105.00	\$148.31	1342	Excellent	BAU
387	Aug-12	Software	MS Office 2010 Pro	CAQA	Dara for Computers	99994726062685	1	JOD 225.00	\$317.80	1342	Excellent	CAQA
388	Aug-12	Software	MS Office 2010 Pro	CAQA	Dara for Computers	99994726062723	1	JOD 225.00	\$317.80	1342	Excellent	CAQA
389	Aug-12	Software	MS Office 2010 Pro	BAU	Dara for Computers	9999-726-062-704	1	JOD 225.00	\$317.80	1342	Excellent	BAU
390	Aug-12	Software	MS Office 2010 Pro	BAU	Dara for Computers	9999-726-062-719	1	JOD 225.00	\$317.80	1342	Excellent	BAU
393	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
394	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
395	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
396	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
397	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
398	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
399	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
400	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
401	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
402	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
403	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
404	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
405	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
406	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
407	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
408	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
409	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
410	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
411	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
412	Aug-12	Chair	Chairs for CAQA's Meeting Room	CAQA	Orchid Furniture	N/A	1	JOD 75.00	\$105.93	1340	Excellent	CAQA
413	Jul-12	Printer	ID Card Printer	CAQA	Accu-Tech	54C4701	1	JOD 1,567.50	\$2,213.98	1263	Excellent	CAQA
414	Jul-12	Printer	ID Card Printer	CAQA	Accu-Tech	54C4670	1	JOD 1,567.50	\$2,213.98	1263	Excellent	CAQA
415	Jul-12	Software	Card Design Software	CAQA	Accu-Tech	143255	1	JOD 1,187.50	\$1,677.26	1263	Excellent	CAQA
416	Mar-12	Monitor	Dell 21.5" LCD Monitor (with 357)	2	STS- Spec Tech Serv	CN0NJ91T7426116K13RM	1	JOD 155.00	\$218.93	1012	Good	BAU
189	Aug-08	Book	Electrical Fundamentals for Water and Waste Water	2	Arasmith		1				Good	USAID/WRE
214	Aug-08	Book	Managing the Water and Waste Water Utility	2	HO - WEF		1				Good	USAID/WRE
215	Aug-08	Book	WSO Water Sources	2	HO - AWWA		1				Good	USAID/WRE
216	Aug-08	Book	WSO Water Treatment – Third Edition	2	HO - AWWA		1				Good	USAID/WRE
212	Aug-08	Book	WSO Water Transmission and Distribution – Third Edition	2	HO - AWWA		1				Good	USAID/WRE
213	Aug-08	Book	WSO Water Quality – Third Edition	2	HO - AWWA		1				Good	USAID/WRE
211	Aug-08	Book	WSO Basic Science Concepts and Application – Third Edition	2	HO - AWWA		1				Good	USAID/WRE
221	Jul-08	Book	Utility Management – A Field Study Training Program + (Instructor's Guide) – Second Edition	2	HO - CSUS		1				Good	USAID/WRE
207	Jul-08	Book	Manage of Success – Effective Utility Leadership Practices	2	HO - CSUS		1				Good	USAID/WRE
205	Jul-08	Book	Small Waste Water System Operation & Maintenance – A Field Study Training Program - Volume I – first Edition	2	HO - CSUS		1				Good	USAID/WRE
206	Jul-08	Book	Small Waste Water System Operation & Maintenance – A Field Study Training Program – Volume II – First Edition	2	HO - CSUS		1				Good	USAID/WRE

241	Jul-08	Book	Advanced Waste Treatment - A Field Study Training Program – Fifth Edition	2	HO - CSUS	1				Good	USAID/WRE
242	Jul-08	Book	and Objective Tests	2	HO - CSUS	1				Good	USAID/WRE
203	Jul-08	Book	Industrial Waste Treatment – A Field Study Training Program - Volume I – Third Edition	2	HO - CSUS	1				Good	USAID/WRE
204	Jul-08	Book	Industrial Waste Treatment – A Field Study Training Program - Volume II – Third Edition	2	HO - CSUS	1				Good	USAID/WRE
237	Jul-08	Book	Industrial Waste Treatment – Volume I – Third Edition - (Instructor’s Guide)	2	HO - CSUS	1				Good	USAID/WRE
238	Jul-08	Book	& Objective Tests	2	HO - CSUS	1				Good	USAID/WRE
239	Jul-08	Book	Industrial Waste Treatment – Volume II – Third Edition - (Instructor’s Guide)	2	HO - CSUS	1				Good	USAID/WRE
240	Jul-08	Book	& Objective Tests	2	HO - CSUS	1				Good	USAID/WRE
208	Jul-08	Book	Pretreatment Facility Inspection - A Field Study Training Program – Third Edition	2	HO - CSUS	1				Good	USAID/WRE
251	Jul-08	Book	Water Distribution System Operation and Maintenance - A Field Study Training Program – Fifth Edition	2	HO - CSUS	1				Good	USAID/WRE
194		Book	Manual of Instruction for Waste Water Treatment Plant Operators – Volume I	2	CSUS	1				Good	USAID/WRE
195		Book	Manual of Instruction for Waste Water Treatment Plant Operators – Volume II	2	CSUS	1				Good	USAID/WRE
191		Book	Water Treatment Plant Operation – Volume I – Fifth Edition	2	CSUS	1				Good	USAID/WRE
192		Book	Water Treatment Plant Operation – A Field Study Training Program - Volume II – Fifth Edition	2	CSUS	1				Good	USAID/WRE
253		Book	Water Treatment Plant Operation – Volume I – Sixth Edition - (Instructor’s Guide)	2	CSUS	1				Good	USAID/WRE
254		Book	and Objective Tests	2	CSUS	1				Good	USAID/WRE
255		Book	Water Treatment Plant Operation – Volume II – Fifth Edition - (Instructor’s Guide)	2	CSUS	1				Good	USAID/WRE
256		Book	and Objective Tests	2	CSUS	1				Good	USAID/WRE
190		Book	Small Water System Operation & Maintenance - A Field Study Training Program – Fourth Edition	2	CSUS	1				Good	USAID/WRE
201		Book	Operation of Waste Water Treatment Plants – A Field Study Training Program Volume I – Seventh Edition	2	CSUS	1				Good	USAID/WRE
202		Book	Operation of Waste Water Treatment Plants – A Field Study Training Program Volume II – Seventh Edition	2	CSUS	1				Good	USAID/WRE
247		Book	Operation of Waste Water Treatment Plants – Volume I – Seventh Edition - (Instructor’s Guide)	2	CSUS	1				Good	USAID/WRE
248		Book	and Objective Tests	2	CSUS	1				Good	USAID/WRE
249		Book	Operation of Waste Water Treatment Plants – Volume II - Seventh Edition - (Instructor’s Guide)	2	CSUS	1				Good	USAID/WRE
250		Book	and Objective Tests	2	CSUS	1				Good	USAID/WRE
200		Book	Operation and Maintenance of Waste Water Collection Systems A Field Study Training Program – Volume I – Sixth Edition	2	CSUS	1				Good	USAID/WRE
199		Book	Operation and Maintenance of Waste Water Collection Systems A Field Study Training Program – Volume II – Sixth Edition	2	CSUS	1				Good	USAID/WRE
257		Book	Operation and Maintenance of Waste Water Collection Systems – Volume I – Sixth Edition - (Instructor’s Guide)	2	CSUS	1				Good	USAID/WRE
258		Book	and Objective Tests	2	CSUS	1				Good	USAID/WRE
259		Book	Operation and Maintenance of Waste Water Collection Systems – Volume II – Sixth Edition - (Instructor’s Guide)	2	CSUS	1				Good	USAID/WRE
260		Book	and Objective Tests	2	CSUS	1				Good	USAID/WRE
193		Book	Operator Certification Study Guide – Fifth Edition	2	CSUS	1				Good	USAID/WRE
198		Book	Wastewater Operators’ Guide, to preparing for the certification examination	2	CSUS	1				Good	USAID/WRE
210		Book	Wastewater Laboratory Analysts’ Guide, to preparing for the certification examination (WEF/ABC)	2	CSUS	1				Good	USAID/WRE
243		Book	Manage for Success: Effective Utility Leadership Practices (Instructor’s Guide) – First Edition	2	CSUS	1				Good	USAID/WRE
244		Book	and Objective Tests	2	CSUS	1				Good	USAID/WRE
197		Book	Advanced Waste Treatment: A Field Study Training Program (Instructor’s Guide) and Objective Tests – Fifth Edition	2	CSUS	1				Good	USAID/WRE
209		Book	Wastewater Operator – Certification Study Guide	2	CSUS	1				Good	USAID/WRE
222		Book	ABC Need-to-Know Criteria for Wastewater Treatment Operators	2	CSUS	1				Good	USAID/WRE
217		Book	Wastewater Operator Review supplemental handout material (SHM) Levels I – III	2	CSUS	1				Good	USAID/WRE
218		Book	Sick Water? The Central Role of Wastewater Management in Sustainable Development – A rapid Response Assessment / UN Habitat	2	CSUS	1				Good	USAID/WRE
220		Book	DTCC: Environmental training Center – Biological Nutrient Removal –Student Handout 1st Edition	2	CSUS	1				Good	USAID/WRE
219		Book	The Micro Life – Wastewater Biology - Course 1	2	CSUS	1				Good	USAID/WRE
223		Book	Qualification Criteria & Mechanisms for Training Providers in the Water Sector in Palestine.	2	CSUS	1				Good	USAID/WRE
224		Book	Training Needs Assessment: Water Supply and Wastewater Service Providers	2	CSUS	1				Good	USAID/WRE
225		Book	Basic Needs and Development Ongoing and Proposed Projects by Governorates	2	CSUS	1				Good	USAID/WRE
226		Book	User Awareness of Water	2	CSUS	1				Good	USAID/WRE
227		Book	Guidelines for Design and Installation of Water Service Connections	2	CSUS	1				Good	USAID/WRE

228		Book	Guidelines on Distribution Network Management for NRW Reduction	2	CSUS		1			Good	USAID/WRE
229		Book	International Standard Unites for Water and Wastewater Processes	2	CSUS		1			Good	USAID/WRE
230		Book	Textbook of Appropriate Sewerage Technology for Developing Countries	2	CSUS		1			Good	USAID/WRE
231		Book	Light Bulbs for Leaders	2	CSUS		1			Good	USAID/WRE
232		Book	The Green Utility	2	CSUS		1			Good	USAID/WRE
233		Book	Operation and Maintenance of Waste Water Collection Systems – Volume I – Sixth Edition – A Field Study Training Program	2	CSUS		1			Good	USAID/WRE
234		Book	Operation and Maintenance of Waste Water Collection Systems – Volume II – Seventh Edition - A Field Study Training Program	2	CSUS		1			Good	USAID/WRE
235		Book	Water Treatment Plant Operation – A Field Study Training Program - Volume II – Fifth Edition	2	CSUS		1			Good	USAID/WRE
236		Book	Objective Tests for the Water Treatment Plant Operation – Volume II – Fifth Edition	2	CSUS		1			Good	USAID/WRE
261	May-11	Book	Collection Systems Operators’ Guide, to preparing for the Certification Examination	2	HO - AWWA		1			Good	USAID/WRE
262	Jul-11	Book	Operator Certification Study Guide – Fifth Edition A Guide to Preparing for Water Treatment and Distribution Operator Certification Exams	2	HO - Amazon		1			Good	USAID/WRE
263	May-11	Book	Wastewater Operator Certification Study Guide – First Edition A Guide to Preparing for Wastewater Treatment and Distribution Operator Certification Exams	2	HO - AWWA		1			Good	USAID/WRE
264	Jul-11	Book	Collection Systems Operators’ - Guide to Preparing for Certification Examination	2	HO - Amazon		1			Good	USAID/WRE
265	May-11	Book	Centrifugal Pumps – Course No. 119, Skill Works Inc. - Copy	2	HO - ACR Publication		1			Good	USAID/WRE
266	May-11	Book	Understanding Basic Electricity and Electronics	2	HO - ACR Publication		1			Good	USAID/WRE
312	Oct-11	Book	Principles and Practices of Water Supply Operations “Water Sources”, Fourth Edition	2	HO - AWWA		1			Good	USAID/WRE
333		Book	Technical Regulation - JS 893: Water – Reclaimed Domestic Wastewater	2	JISM		1			Good	USAID/WRE
341	Jan-12	Book	Principles and Practices of Water Supply Operations “Water Sources”, Fourth Edition	2	HO - Barnes & Noble		1			Good	USAID/WRE
xxx	Mar-12	Book	Structure On-the-Job Training	2	HO - Amazon		1			Good	USAID/WRE
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			Utility Management, 2nd Edition		CSUS		1				Aqaba WWTP
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