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Quarterly Report July – September 2007

Livelihood and Income from the Environment Program
Lead Pollution Clean-up in Qalyoubia

November 14, 2007

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**LEAD POLLUTION CLEAN-UP IN QALYOUBIA
QUARTERLY PROGRESS REPORT
JULY THROUGH SEPTEMBER 2007**

INTRODUCTION

The Lead Pollution Clean-up in Qalyoubia project was initiated on August 18, 2004 through GSA Contract No. GS-10F-0273L, Task Order No. 263-M-00-04-00029-00. The project is funded by the United States Agency for International Development (USAID) under the Livelihood and Income from the Environment Program (LIFE). The original contract completion date for the project was August 17, 2006. The project has received two extensions. The first extension was from August 17, 2006 through March 31, 2007. The second extension was signed in last March 2007 and is for 9 months beginning on April 1, 2007 and ending on December 31, 2007.

The project currently includes the remediation of seven secondary lead smelters, two schools, and a medical center in the Shoubra El Kheima area of the Governorate of Qalyoubia (GOQ) as shown on Figure 1. As part of the March 2007 extension, the project was expanded to include the oversight of the remediation of the Arab Contractors' Battery Assembly Facility and the Sayed Hussein Copper Smelter. The project is also investigating 20 flour mills to determine possible sources of contamination during the refining process.

The Shoubra El Kheima area is highly industrialized and lead contamination has a significant impact on the human health and environment of the area. The remediation of these seven secondary lead smelters had a significant and positive impact on the environmental health of the residents of Shoubra El Kheima.

The project consists of two primary activities which are subsequently divided into tasks and subtasks that further define the work to be accomplished. Activity 1 includes the technical work required to complete site remediation activities. Activity 2 provides the community awareness and communications support for the technical activities and is intended to raise the awareness of the community pertaining to environmental issues from industrial facilities.

Table 1 provides a summary of project activities through the end of September 2007. It includes the progress made on the task to date as well as specific comments associated with project tasks. Not all project activities have been initiated. If they are to occur in the next quarter, the comments section provides a description of future activities.

Tables 2 and 3 are related to the Project Monitoring Plan (PMP) developed by the project team in association with USAID. Table 2 provides a summary of the PMP Output Indicators while Table 3 summarizes the PMP established project milestones.

PROJECT ACTIVITIES SUMMARY

The following lists the major activities undertaken during the period of July through September 2007:

- The post remediation Blood Lead Level Survey was completed and indicated a significant drop in the blood lead levels of the men, women, and children living in the study area. This reduction can be attributed to both Government of Egypt and project remediation and community awareness and participation activities in the study area.
- As a result of site visit by project staff to the Alexandria Hazardous Waste Landfill, a refresher training course was conducted for professional/management staff and

workers at the facility to provide/update the participants on the proper procedures for the tracking, handling, and disposal of hazardous waste. Furthermore, the training course strengthened awareness regarding hazards that may arise during the handling and disposal of hazardous waste and provided instructions on proper health and safety procedures.

- Tender documents were issued for the remediation of the Sayed Hussein Copper Smelter in Shoubra El Kheima. The smelter site is contaminated with heavy metals including high concentrations of lead and arsenic.
- The Industrial Pollution Desk was opened at the Shoubra El Kheima Public Library in conjunction with the Reading National Campaign 2007. The IPD will provide citizens in Shoubra El Kheima a valuable resource to help understand the dangers of industrial pollution and methods to overcome those dangers. The IPD includes a computer with environmental sites listed for citizen use, videos explaining the dangers of environmental pollution, project educational materials, and a selection of environmental texts.
- The flour mills have been sampled and the project is awaiting the completion of the laboratory analyses. Preliminary results indicate some lead in the flour produced by the mills, but it is not believed to be in sufficient quantity to cause alarm. A health risk analysis on the flour is being developed and will be presented in the draft report which will be available for review before the end of November 2007.

CHALLENGES AND ISSUES

1. The streets surrounding the schools, medical center, and the smelters need to be paved. The lead contaminated soil and dust continue to be potential sources of exposure to the residents of the area. The exposure is evident in the results of the draft Blood Lead Level Survey.
2. Arab Contractors appears to be stalling the beginning of remediation. The project is working with Arab Contractors, the GOQ, and EEAA to move forward on the remediation of the Battery Assembly Facility.
3. There is a concern that all project activities will not be completed by the end of the contract period (December 31, 2007). Delays with counterparts have not been significant, but they have caused some lost time and slowed progress on some project deliverables. Examples of delayed activities would include the start of remediation at the Arab Contractors' Battery Assembly Facility and the review of project documents by counterparts.

PROJECT FINANCIAL SUMMARY

The financial tables below reflect the current project funding levels in U.S. dollars (\$) and Egyptian pounds (LE) and the total expenditures through the end of the quarter.

Table 1: U.S. Dollars (\$)

Current Obligated Funding	\$3,490,125
Total Contract Amount	\$3,490,125
Expenditures for July through September 2007	\$ 208,362
Cumulative Expenditures through September 2007	\$2,790,815
Remaining Unexpended Balance – Obligated Funds	\$ 699,310
Remaining Unexpended Balance – Contract Total	\$ 699,310

Table 2: Egyptian Pounds (LE)

Current Obligated Funding	LE 34,557,760
Total Contract Amount	LE 34,557,760
Expenditures for July through September 2007	LE 1,618,995
Cumulative Expenditures through September 2007	LE 29,740,864
Remaining Unexpended Balance – Obligated Funds	LE 4,816,896
Remaining Unexpended Balance – Contract Total	LE 4,816,896

MAJOR MEETINGS

Several technical, community, and stakeholder meetings were held during the reporting period. The major meetings are listed and described below.

Scoping Session for the Copper Smelter

The scoping meeting for Sayed Hussein Copper Smelter was held on July 18, 2007 at Shoubra El Kheima Transportation Officer' Club. Presentations and comments were in Arabic. The participants' comments and statements were recorded. A scoping comments form was provided to allow participants an opportunity to comment in writing if they were reluctant to provide verbal comments.

The participants were given until July 22, 2007 to provide their written comments if not delivered during the Scoping Session. Twenty-two (17 males and 5 females) participants attended the meeting.

Pre-bid Meeting for Sayed Hussein Copper Smelter

LIFE-Lead conducted a Pre-Bid Meeting for the companies expected to participate in the bid for implementing the remediation project at the Sayed Hussein Copper Smelter. The purpose of the meeting was to inform the participating companies of the bid requirements. Ten males from four different contracting companies attended the meeting that was held on September 10, 2006 at the LIFE - Lead office.

TRAINING SEMINARS AND WORKSHOPS

The following seminars and workshops were conducted during the reporting period.

Communication Research Stages and Skills (July 16-19, 2007)

LIFE-Lead implemented several capacity building activities to improve the project counterparts and stakeholders capabilities in communication and community participation activities. Among the capacity building activities was the Field Research Stages and Skills Workshop that was held for the EEAA Central Department of Communication and Environmental Awareness; the Environmental Affairs Unit of East Shoubra El Kheima District; the Shoubra El Kheima Public Library; the Bahteem Cultural Center; and LIFE-Lead Community Outreach staff. The purpose is to provide training to allow them to participate in final KAP survey. A four day training course was held at the Maadi Hotel and was attended by 25 participants (11 males and 14 females).

The training included the necessary skills and knowledge needed to design, plan, and implement communication studies. Course topics included public opinion and methods of measurement; how to design and analyze questionnaires and the common mistakes in forming questions; the stages of field research; and sample types and data collection problems. In addition, the training included the quantitative and qualitative statistical

analysis for the collected data. The attendees were interested to learn more about how to use the results of communication studies in formulating the communication campaigns.

Orientation Session for East District Nurses and Midwives (August 8, 2007)

The session was conducted at the Kablat Medical Center for 30 nurses and midwives who work in different hospitals and medical centers in Shoubra El Kheima. These nurses are responsible for educating women in their work place on different health subjects that are critical for the health and welfare of their families and children.

The event raised the awareness on the dangers of lead and heavy metals on adults and children and the methods of protection against these dangers in terms of eating and cleaning habits. The session was designed to be the first in a series of seminars for building their capabilities in order to convey the LIFE-Lead messages to their patients.

Heavy Metal Awareness Seminar and Competition for Shoubra El Kheima Children (August 13, 2007)

This was a one-day event held at the Shoubra EL Kheima Public Library which was attended by 62 students (27 males and 35 females) from the following organizations:

- Ahmed Shaalan Primary School
- Delta Solb Preparatory School
- Kablat Primary School
- Bahteem Culture Center
- Shoubra EL Kheima Public Library

A children's awareness event was held in Shoubra El Kheima to discuss the hazards of lead and heavy metals in their area through an art competition as a part of their summer activities.

The day included an art competition between the five teams; every team created an art activity (e.g., drawing, poetry, song, etc.) that emphasized the harmful effects of lead and heavy metal on their health and how to protect themselves from the environmental dangers surrounding them. Every team took an hour to develop its own project and present it. In addition, the day included a puppet show demonstration that covers the danger of lead and heavy metals on children and adults' health and how to protect themselves from these dangers.

Remediation Design and Remediation Technologies Training (August 12-16, 2007)

The purpose of this training course was to convey the knowledge and experience gained during the implementation of the LIFE-Lead project to Alexandria University for the purpose of technology transfer in support of environmental sector development in Egypt.

The training included the necessary skills and knowledge needed to design, plan, and implement remediation projects. The participants developed a functional understanding of the primary components of hazardous waste remediation including proper health and safety procedures at project sites.

Nineteen participants (11 males and 8 females) attended this course as follows:

- Faculty members of Alexandria University – Faculty of Engineering and Faculty of Science
- High Institute of Public Health – Alexandria University
- Staff from EEAA – Alexandria Regional Branch Office
- Staff from the High Institute of Post Graduate Studies - Alexandria University

Camp at the Delta Solb Preparatory School (August 23, 2007)

This activity was one of several activities conducted at the schools to continue raising the awareness of the students about the problems associated with heavy metal pollution and proper means of protection, as well as the importance of maintaining the results of the remediation work that was completed at the school. Fifty-eight student and teachers attended the activity: 39 males and 19 females from the Ahmed Shaalan Primary School, the Delta Solb Preparatory School, and the Kablat Primary School.

The camp activities started with an orientation session about the project achievements, followed by other activities, such as drawing, a play, and a puppet show. All camp activities emphasized the harmful effects of lead and heavy metals on health and how to protect themselves from industrial pollution.

Training Program on Health and Safety and Recordkeeping at the Alexandria Hazardous Waste Landfill (August 29, 2007)

As a result of site visit observations at the Alexandria Hazardous Waste Landfill, it was proposed that a refresher training course be carried out for professional/management staff and workers at the facility to provide/update the participants on the proper procedures for the tracking, handling, and disposal of hazardous waste. Furthermore, the training course strengthened awareness regarding hazards that may arise during the handling and disposal of hazardous waste and provided instructions on proper health and safety procedures. This training was attended by 23 (18 males and 5 females) professional staff and workers at the Alexandria Hazardous Waste Landfill and employees from the EEAA – Alexandria Regional Branch Office.

Participating in the Celebration of "Reading National Campaign 2007" (September 23, 2007)

LIFE-Lead participated in the celebration of the end of the National Reading Campaign. LIFE-Lead used this event to announce the opening of the Industrial Pollution Desk at the Shoubra El Kheima Public Library.

LIFE-Lead exhibited the communication tools such as banners, posters and brochures, and project developed documentaries (i.e., "Tota and Bota", "Ahmed Shaalan", "Delta Solb Camp" and "Nabiha") were played for the visitors. General Raouf Ismail, ICS General Manager announced the opening of the Industrial Pollution Desk and invited the people to learn how to use the information provided by the desk. Approximately 220 people, males and females, from different libraries in the area attended this event.

On-going Activities of Outreach Workers

Awareness Seminars at the Kablat Medical Center Conducted by LIFE-Lead Outreach Workers--

LIFE-Lead outreach workers conducted awareness seminars at the Kablat Medical Center after an orientation session provided by LIFE-Lead. The awareness seminars inform the

visitors of the center about the industrial pollution in Shoubra El Kheima and the means of protection. During this quarter, the outreach workers conducted eight seminars attended by 157 females.

Awareness Seminars at Shoubra El Kheima Churches and Mosques--

In coordination with Shoubra El Kheima Diocese and Al-Awqaf Department of East Shoubra El Kheima, the LIFE-Lead Community Outreach Workers conducted seven awareness seminars at Shoubra El Kheima mosques and churches attended by 556 participants: 358 males and 208 females. The purpose of the seminars was to inform the local community about the health and environmental hazards of heavy metals and means of prevention and protection.

Seminars at the Bahteem Cultural Center

During this quarter, the Bahteem Cultural Center conducted 20 seminars for its visitors: 11 seminars for primary and preparatory schools children and nine seminars for the students of the High Institute for Social Services, and for Reading National Campaign participants. The Center's staff included messages that explained the hazards of heavy metal pollution and means of protection from the hazards in these seminars. A total of 590 students and visitors attended these seminars: 205 males and 385 females.

Ongoing Coordination Meetings with the USAID Funded Projects

The LIFE-Lead Communication Manager attended the Environmental Education Workshop that was hosted by the Egyptian Education and Outreach Project (E3OP) that was held September 7-9, 2007. This included participation in outlining the first Egyptian Environmental Education Strategy.

GENDER ACTIVITIES

The project's focus on gender is consistent with the goals of USAID. A gender plan was initiated to identify the work plan tasks that have or could include gender specific activities. The overall project objective is focused on improving public health in the community, especially the health of women and children.

Activity 1 is the technical component of the project. Short listed contractors for the remediation of the contaminated properties were encouraged to include women on their project teams. During this quarter, 16 females out of 26 participants attended the remediation as well as the health and safety and recordkeeping for hazardous waste landfill training programs.

Activity 2 focuses on community participation with an emphasis on working with women and children to improve public health and environmental conditions in their homes and community. Women and children of pre-school and school ages are the most vulnerable groups to lead contamination. During this quarter, a significant percentage of females, 892 out of 1,911, attended the communication and local mobilization events.

Figure 1: Study Area

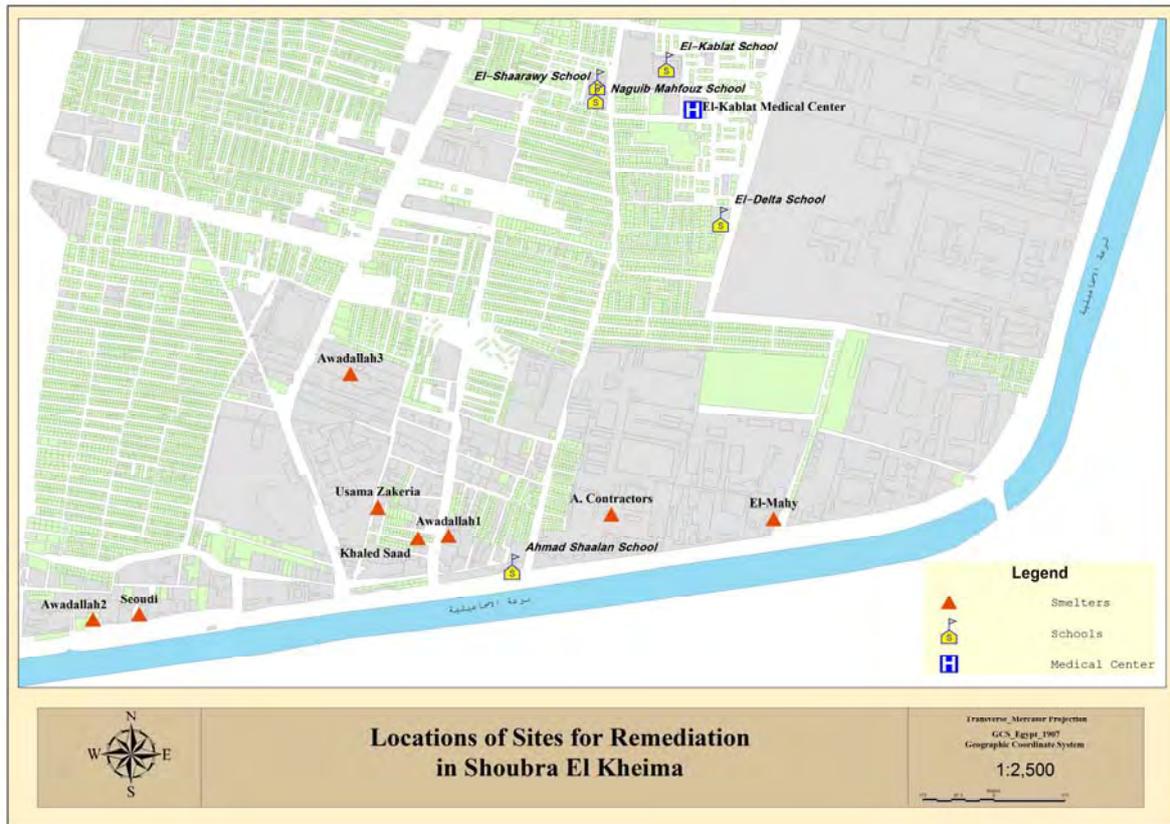


TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Percent Complete	Comments
1. Lead Smelter and Foundry Remediation			
1.1	Site Characterization and Risk Assessment (September 2005 - July 2007)	<ol style="list-style-type: none"> <li>1. Update GIS maps and turn over to EEAA and the GOQ. 90 <li>2. Evaluate the need for a blood lead level survey and conduct if applicable. 95 <li>3. Prepare Site Characterization Reports for the El Shahid Ahmed Shaalan School, and the El Mahy, Seoudi, the three Awadallah Secondary Lead Smelters, the Delta Solb School, the Kablat Medical Center, the Kablat School, and the Osama Zakaria and Khaled Saad Secondary Lead Smelters. 100 <li>4. Prepare Site Characterization Reports for the Arab Contractors' Battery Assembly Facility and the Sayed Hussein Copper Smelter. 100 <li>5. Survey industries surrounding the four schools in the project area to identify industrial pollutants of concern. 100 <li>6. Characterization of 20 flour mills. 75 	<ol style="list-style-type: none"> <li>1. The project conducted minimal activities on this task during the quarter as there were only minimal changes to the GIS data. <li>2. The report was finalized during the quarter and will be disseminated at a workshop in early November 2007. <li>4. The Site Characterization Reports were completed in July 2007. <li>6. The project is waiting for the laboratory analyses to be completed.

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Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Percent Complete	Comments
		7. Perform baseline health risk assessments for the Arab Contractors and Sayed Hussein sites.	100	The preliminary results have been obtained and are being compiled into a initial draft report that will be completed once the results are received in late October 2007. The draft report will be prepared for review by the GOQ, EEAA, and USAID by the end of November 2007. The laboratory analysis has taken much longer than was originally anticipated and has delayed the finalization of the report. 7. The assessments were completed in July 2007.
1.2	Site Prioritization (December 2004 – June 2006)		100	
1.3	Definition of Baselines for Monitoring and Evaluation, and Development of PMP (October 2004 – December 2004)		100	
1.4	Environmental Assessment (October 2005 – October 2007)	1. Complete and submit an EA/EIAs for the three Awadallah, the El Mahy, and the Seoudi Secondary Lead Smelters, the El Shahid Ahmed Shaalan School, the Delta Solb School, the Kablat Medical Center, and the Osama Zakaria and Khaled Saad Secondary Lead Smelters to USAID and EEAA.	100	

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Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Percent Complete	Comments
		2. Complete and submit an EIA for the Arab Contractors' Battery Assembly Facility and an EA/EIA for and the Sayed Hussein Copper Smelter.	95	2. The EA/EIA for the Arab Contractors and Sayed Hussein sites were submitted in September 2007. This task is complete except for responding to questions prior to approval.
		3. Develop Environmental Management Plans for each of the smelters during remediation.	90	3. Environmental Management Plans are submitted by the remediation contractors prior to the start of remediation activities. The plan for the Sayed Hussein Copper Smelter will be submitted in October 2007 prior to the start of remediation. The plan for the Arab Contractors' Battery Assembly Facility will be submitted in November 2007 prior to the initiation of remediation activities.
1.5	Technical Capacity Building (January 2006 - November 2007)	1. Increase the involvement of EEAA and the GOQ in remediation activities.	75	1. The percent complete has been adjusted to reflect the involvement of the EEAA and the GOQ in the future remediation of the Arab Contractors and Sayed Hussein sites.
		2. Supplemental training for short-listed contractors.	100	
		3. Health and Safety and Remediation Short Course for engineers and consulting firms.	100	
		4. Assist EEAA and Arab Contractors in the development of the Battery	70	4. The design has been completed and this task will be completed once remediation

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Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Percent Complete	Comments
		Assembly Facility remediation design and during remediation.		is initiated by Arab Contractors.
		5. Provide recordkeeping and health and safety training to the Alexandria Hazardous Waste Landfill.	100	5. This training was conducted on August 29, 2007.
		6. Assist Alexandria University with the development of remediation curriculum.	100	6. The workshop was held in Alexandria from August 12-16, 2007.
		7. Provide Health Risk Assessment Development Training to EEAA and engineering consulting firms.	10	7. The training will be held in November 2007. The logistic arrangements and program development were initiated during the quarter.
1.6	Institutional and Legal Support (September 2005 – December 2007)	1. Establish and develop a Sustainability and Institutionalization Working Group.	80	1. There were no meetings during the quarter. Meetings are planned for November and December 2007.
		2. Address gaps in existing Egyptian Environmental Laws pertaining to HWM.	100	2. The EEAA included a clause on remediation in the revisions to Law 4/1994 that is currently before the Egyptian parliament for approval. The EEAA has requested assistance with the development of executive regulations once the parliament approves the revisions to Law 4/1994.
		3. Provide policy development and enforcement training.	30	3. The policy development and enforcement training will be conducted in coordination with the presentation of

TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

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Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Percent Complete	Comments
	4. Recommend revisions to existing HW laws and regulations.	100	the remediation guidelines.
	5. Investigate methods with EEAA to recover the oversight costs associated with remediation of contaminated sites.	90	5. The recovery of funds was discussed during the quarter as the EEAA and the principal of cost recovery for EEAA oversight is included in the proposed revisions to Law 4/1994 that is awaiting approval from the Egyptian parliament. EEAA will be providing oversight of the remediation of a lead smelter formerly operated by Arab Contractors. This will allow EEAA to establish an estimate of the costs associated with remediation oversight.
	6. Provide assistance to the GOE's industrial facility relocation program.	100	
	7. Develop technical memorandum on the future of remediation in Egypt.	NI	
	8. Evaluate the capacity of the EEAA Central Laboratory to conduct analyses required for remediation.	30	8. Background information has been collected to allow for the evaluation of the EEAA Central Laboratory during the quarter. The memorandum describing their abilities will be completed during the next quarter.
	9. Develop a range of costs for the remediation of smelters in Shoubra	30	9. The costs to remediate facilities that will be relocating was initiated during

TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Percent Complete	Comments
1.8	Financial and Legal Support (September 2005 – December 2007)	<ol style="list-style-type: none"> 1. Evaluation of the cost effectiveness of technical alternatives. 2. Conduct of a cost-benefit analysis for the project. 3. Conduct of a Socio-economic Study on the cost of smelter relocation to the Abu Zaabal Industrial Area. 4. Development of project sustainability capacity building. <p>Deliverable:</p> <ul style="list-style-type: none"> • Technical Alternatives Cost Effectiveness Report • Cost-Benefit Analysis Report 	<p>100</p> <p>90</p> <p>75</p> <p>80</p>	<p>2. The report is complete and will be published in October 2007 and disseminated in a workshop in November 2007.</p> <p>3. The draft report will be provided for review by the GOQ, EEAA, and USAID in November 2007.</p> <p>4. The remaining capacity building will be provided once the Cost-Benefit Report is finalized. This will occur during the fourth quarter of 2007.</p> <p>The Cost Effectiveness Reports are included in the EA/EIA for the sites to be remediated.</p>
1.9	Remediation Design (September 2005 – September 2007)	<ol style="list-style-type: none"> 1. Production of a basis for design report. 2. Complete remediation designs, technical specifications, project drawings, and bid packages for the following facilities to be remediated: - El Mahy Secondary Lead Smelter 	<p>100</p> <p>100</p>	

TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Percent Complete	Comments
		100	<p>3. The remediation designs, technical specifications, project drawings, and bid packages were completed during the quarter for the Arab Contractors and Sayed Hussein sites and provided to contractors in September 2007.</p> <p>The Remediation Plan/Design was presented in the Request for Bid for each of the facilities.</p>

TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

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Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Percent Complete	Comments
		<ul style="list-style-type: none"> - Khaled Saad Secondary Lead Smelter - Arab Contractors' Battery Assembly Facility - Sayed Hussein Copper Smelter 		
1.10	Provide Health and Safety Training (September 2005 – September 2006)	<ol style="list-style-type: none"> 1. Provide Health and Safety Training to short-listed Contractors. 2. Provide Health and Safety Training to engineers, university staff and consulting firms. 	100 100	
1.11	Bid Process and Contractor Selection (July 2005 – October 2007)	<ol style="list-style-type: none"> 1. Develop bid documents for the smelters. 2. Review bids with technical evaluation committee. 3. Organize site visits for bidders. 	100 85 100	<ol style="list-style-type: none"> 1. The bid documents for the Arab Contractors and Sayed Hussein sites were completed in September 2007. 2. The bids will be reviewed and presented to the technical review committee in October 2007. 3. The site visits for the Arab Contractors and Sayed Hussein sites were conducted in September 2007.
1.12	Remediation and Construction Management (January 2006 – December 2007)	<ol style="list-style-type: none"> 1. Oversee the day-to-day activities of the contractor. 2. Evaluate contractor chain-of-custody procedures. 3. Monitor contractor compliance with H&S. 4. Review contractor weekly reports. 5. Report on work discrepancies per contract. 6. Review of contractor invoices. 7. Prepare and approve contract 	90 90 90 90 90 90	The subtasks in this task will be completed as a function of the remediation construction oversight for the Arab Contractors and Sayed Hussein facilities.

TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

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Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Percent Complete	Comments
		change orders. 8. Clearance sampling following remediation.	90	
1.13	Finalization of Remediation Guidelines (June 2006 – December 2007)	1. Evaluate and revise draft remediation guidelines. 2. Initiate and manage small working groups to review draft guidelines. 3. Present workshop on final remediation guidelines. Deliverable: • Final Remediation Guidelines	90 100 20	1. The English and Arabic version of the guidelines are being prepared for printing and will be completed prior to the initiation of the dissemination workshop in late November and early December 2007. 3. The logistics for conduct of the workshops and draft agenda were initiated during the quarter. The dissemination workshops will be held in late November and early December 2007.
1.14	Project Monitoring and Evaluation (September 2005 – March 2007)	1. Develop M&E tools such as GIS and data-tracking software. 2. Train partners on tools and processes for the refining of the M&E system. 3. Provided final technical and community participation data for M&E.	70 NI 50	1. The activities associated with this task were minimal during the quarter. 2. The EEAA has requested that a senior level training program be developed. This training will be conducted if the project is extended to allow for the additional time needed to prepare and schedule the event. 3. The information is being catalogued for submittal at the end of the project.

TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Percent Complete	Comments
	<p>3. Subtask 2.1.3: Community Participation Activities</p>	<p>95</p>	<p>library database that includes all the desk's materials. The IPD also includes a screen and a DVD to show films and plays, especially the ones LIFE-Lead has produced for children.</p> <p>Produced four roll-over posters illustrating the activities of the IPD, four A3 signs, and one brochure for promoting the IPD in the Library.</p> <p>3. An Orientation Session for 30 nurses and midwives from the East District was held on August 8, 2007. The purpose of the event was to raise their awareness in order to relay the LIFE-Lead's messages to their patients. The Heavy Metal Awareness Seminar and Competition for Shoubra El Kheima children was conducted on August 13, 2007 for 62 students. The Camp at the Delta Solb Preparatory School was held on August 23, 2007 for 58 students and teachers. Continuing cooperation with ICS and the Shoubra El Kheima Public Library for the establishment and introduction of the Industrial Pollution Information Desk to the Shoubra El Kheima local community. LIFE- Lead participated in the celebration of "Reading National Camping 2007"</p>

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Activities, Tasks and Work Plan Schedule		Subtask/Descriptions	Percent Complete	Comments
		4. Subtask 2.1.4: Coordination and Collaboration with Counterparts	90	<p>event that was held at the Shoubra EL Kheima Public Library on September 23, 2007 for 220 people.</p> <p>In coordination with the Shoubra El Kheima Diocese and El and the Al-Awqaf Department of East Shoubra El Kheima, LIFE-Lead Community Outreach Workers conducted seven awareness seminars at Shoubra El Kheima mosques and churches attended by 556 participants: 358 males and 208 females.</p> <p>LIFE-Lead outreach workers conducted eight awareness seminars at the Kablat Medical Center, 157 females attended these seminars during this quarter.</p> <p>The Bahteem Cultural Center continued to present the hazards of heavy metal pollution and the means of protection to its visitors through the seminars it conducts with support from LIFE-Lead. A total of 590 students and visitors attended these seminars: 205 males and 385 females.</p> <p>4. The LIFE-Lead Communication Manager attended the Environmental Education Workshop that was hosted by</p>

TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Percent Complete	Comments
		40	<p>the Egyptian Education and Outreach Project (E3OP) that was held from September 7-9, 2007. LIFE-Lead participated in outlining the first Egyptian Environmental Education Strategy.</p> <p>5. The Final KAP field activities were initiated during this quarter. The field activities started by conducting a four day workshop from July 16-19, 2007 in order to qualify the project counterparts to participate in the KAP study, and to train the researchers on the professional manner in which to conduct research, how to design a questionnaire, and how to collect information for the KAP survey. Modified versions of the males/ females questionnaires were completed as well as the design of a new questionnaire for students in order to post test their practices, attitudes, and knowledge, in addition to analyzing the influence of different project activities on their behavior. On July 26, 2007, the questionnaires were tested in the field applying it on a sample of 36 residents. Feedback from the researchers and the sample residents was considered in finalizing the questionnaire.</p>

TABLE 1: SUMMARY OF PROJECT ACTIVITIES – 3rd Quarter 2007

Activities, Tasks and Work Plan Schedule	Subtask/Descriptions	Percent Complete	Comments
		65	<p>Data collection took place in Shoubra El Kheima during the period from July 26 July to August 15; 2007. A total of 400 males, females, students, and decision makers were interviewed.</p> <p>Data processing for the research data will start in October 2007 using the Statistical Package for Social Science (SPSS) where the 400 questionnaires have been entered. Data analysis is currently in process by the communication consultant as well as the communication team. It is anticipated that the final KAP report and study will be completed in December 2007.</p> <p>6. The project uploaded 5 success stories on the USAID "Telling Our Stories" site, awaiting for feedback.</p> <p>The Communication Strategy for Public Participation was submitted to USAID on December 22, 2005.</p> <p>Summary reports are sent to project management, USAID, and EEAA on a periodic basis.</p>
	<p>6. Subtask 2.1.6: Documentation of Project Activities and Success Stories</p>		
	<p>Deliverables:</p>		
	<p>Communication Strategy for Public Participation</p>		
	<p>Summary memoranda reporting on the outcome of the public meetings.</p>		

TABLE 2: PMP SUMMARY – OUTPUT INDICATORS

Objective/Results		Output Indicator	Status	Comments
1. Lead pollution hazards reduced for the population of Shoubra El Kheima.				
1.1	Reduced lead health exposure pathways at selected sites/locations.	<ul style="list-style-type: none"> Nature and extent of contamination and hazards at selected sites/locations. EEAA agreement on lead remediation action and clean up levels. Clearance sampling completed for selected sites/locations. 	<p>Complete</p> <p>Complete</p> <p>In Progress</p>	<p>The baseline characterizations indicate high lead concentration in the two schools, the medical center, and the seven smelters.</p> <p>The lead remediation action level was set at 500 mg/kg. Clean-up levels will be based on a Health Risk Assessment conducted for each site.</p> <p>The clearance sampling has been completed for the El Shahid Ahmed Shaalan School and the Seoudi, El Mahy, Awadallah, Osama Zakaria, and Khaled Saad Secondary Lead Smelters, the Delta Solb School, and the Kablat Medical Center.</p>
1.2	Increased property values in the areas surrounding the smelters.	<ul style="list-style-type: none"> Results of financial and economic assessments. 	In Progress	The report will be completed in October 2007 once the updated Blood Lead Level Survey results have been included.
1.3	Initiation of contaminated site remediation businesses.	<ul style="list-style-type: none"> No. of firms submitting for pre-qualification. No. of individuals trained (gender disaggregated). 	<p>Complete</p> <p>Complete</p>	<p>Nine firms submitted Statements of Qualification and seven firms were selected (short listed) for training and bidding on the remediation projects.</p> <p>The training was completed in April 2005. There were 42 men and 5</p>

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				women, and 470 total person training days.
2. Residents successfully advocating for environmental improvement.				
2.1	Increased community participation in environmental health issues caused by local industry.	<ul style="list-style-type: none"> • No. and type of household awareness activities. • No. and type of school awareness activities. • No. and type of CDA, NGO, and private sector community participation activities. • Community Industrial Information Desk established. 	<p>In Progress</p> <p>In Progress</p> <p>In Progress</p> <p>In Progress</p>	These tasks are on-going and will be completed in the final quarter of the project. A description of the activities conducted during the quarter is provided in Table 1.
2.2	Industry and decision makers increased awareness of community roles and responsibilities in addressing environmental health hazards caused by local industry.	<ul style="list-style-type: none"> • No. and type of awareness activities addressing industry and decision makers. 	In Progress	Significant progress continued throughout the quarter as described in Table 1.
2.3	Stakeholders participate in decision making regarding the mitigation of environmental hazards.	<ul style="list-style-type: none"> • Mechanisms for public participation identified and operationalized. 	In Progress	Public participation activities are on-going throughout the project and will be completed during the final quarter. The activities are summarized in Table 1.

TABLE 3: PROJECT MILESTONE PROGRESS SUMMARY

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Objective/Milestone		Output Indicator	Status	Comments
1. Lead pollution hazards reduced for the population of Shoubra El Kheima.				
1.1	Smelter owner consensus.	<ul style="list-style-type: none"> • Agreement by smelter owners to allow sampling and remediation activities. • Negotiated and signed agreements between smelter owners and regulatory agencies. 	Complete	The school and the smelters have allowed sampling and are in agreement with the remediation activities.
			Complete	The agreements have been completed with all site owners or governmental agencies for remediation activities.
1.2	Site remediation prioritization.	<ul style="list-style-type: none"> • Priority list approved by project management committee. 	Complete	The priority list was developed for the original sites to be remediated and for the extension period sites.
1.3	EA/EIA completed.	<ul style="list-style-type: none"> • Conduct of Scoping Meeting. • Approval of EA/EIA by concerned entities. 	Complete	Scoping Meetings have been held for all facilities and the Scoping Reports approved by EEAA.
			In Progress	The EA/EIA for the Sayed Hussein and the EIA for the Arab Contractors facility have been submitted to EEAA and USAID for approval. Approval is anticipated from both agencies in October 2007.
1.4	Feasible remediation options identified (including disposal options).	<ul style="list-style-type: none"> • Financial and economic assessment conducted. • Start of remediation design for the El Shahid Ahmed Shaalan School, the three Awadallah, Seoudi, and El Mahy 	Complete	The remediation options, when applicable, for all facilities remediated has been completed.
			Complete	The remediation designs are complete for the facilities listed and they have been remediated.

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		<p>Secondary Lead Smelters, the Delta Solb School, the Kablat Medical Center, and the Osama Zakaria and Khaled Saad Secondary Lead Smelters.</p> <ul style="list-style-type: none"> • Start of remediation design for the Arab Contractors' Battery Assembly Facility and the Sayed Hussein Copper Smelter. 	Complete	The designs were completed in September 2007.
1.5	Capacity building for pre-qualified remediation contractors.	<ul style="list-style-type: none"> • Bids received for the El Shahid Ahmed Shaalan School remediation, the three Awadallah, Seoudi, and El Mahy Secondary Lead Smelters, the Delta Solb School, the Kablat Medical Center, and the Osama Zakaria and Khaled Saad Secondary Lead Smelters.. • Bids received for remediation of the Arab Contractors' Battery Assembly Facility and the Sayed Hussein Copper Smelter. • 	<p>Complete</p> <p>In Progress</p>	<p>Bids were received from the project trained contractors and the remediation of the facilities is complete.</p> <p>Bids will be received for the two facilities in October 2007.</p>
1.6	Legal and institutional framework reviewed.	<ul style="list-style-type: none"> • Remediation procedures established. 	Complete	Recommendations were made to the Executive Regulation revisions of Law 4/1994 and presented in a letter to the CEO of EEAA.
1.7	Site specific remediation designs.	<ul style="list-style-type: none"> • Request for bids issued for the El Shahid Ahmed Shaalan School, the three Awadallah, Seoudi, and El Mahy Secondary Lead Smelters, the Delta Solb School, the Kablat Medical Center, and the Osama Zakaria and Khaled Saad 	Complete	Bids for remediation were received for each of the facilities listed.

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2.2	Baseline information (KAP) finalized.	<ul style="list-style-type: none"> • Analysis of survey data completed. 	Complete	The initial KAP Report has been completed.
2.3	Community participation strategy finalized.	<ul style="list-style-type: none"> • Implementation of school communications plan initiated. • Implementation of households communication plan initiated. • Implementation of opinion leaders, private sector, and regulatory agency communication plans initiated. 	Complete Completed Complete	The Community Participation, Awareness, and Communication Strategy has been completed.
2.4	Gender strategy adopted by project team.	<ul style="list-style-type: none"> • Gender issues begin to be addressed in project progress reports. 	In Progress	Gender continued to be considered as an important factor in the planning and the implementation of project activities as reported in Table 1 activities.
2.5	Post project evaluation study (KAP).	<ul style="list-style-type: none"> • Comparison between baseline and final KAP completed. 	In Progress	The field work for the final KAP was completed during the quarter and the report will be finalized in December 2007.