

Technical Support Services Contract

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4th Quarterly Report FY2005
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The Technical Support Services Contract (TSSC) for the U.S. - Asia Environmental Partnership (US-AEP) is comprised of two principal teams: Program Support and Operational Support. TSSC staff are located in Bangkok, Delhi, Hanoi, Jakarta, Manila, Colombo and Washington DC.

Program Support staff offer technical assistance in implementing activities in all US-AEP countries, with a principal focus on urban and industrial programs, as detailed in the 2005 US-AEP Country Work Plans. Program Support staff also oversee the administration of TSSC Grants and Short-Term Technical Assistance.

Operational Support team members provide technical and administrative support to TSSC Program Support staff and TSSC Country Program Coordinators as well as US-AEP / US AID personnel. TSSC assists in partnership collaboration and development and leads US-AEP's communication activities. Operational Support staff also ensure the smooth-running of TSSC operations, including results reporting, systems management, grants and STTA administration, invoicing and related financial operations, as well as various administrative functions.

This report covers the activities of the TSSC for the third quarter of fiscal year 2005, the period from April 1, 2005 through June 30, 2005. These activities are reported under two categories: Program Support and Operational Support.

Program Support activities are summarized under the following headings:

- Regional Activities
- Country Activities

Operational Support activities are summarized under the following headings:

- Grants and Short Term Technical Assistance (STTA)
- Communications
- Regional Operations Support
- US-AEP Annual Report and Program Results
- Invoices & Budgeting Quarter 1 Fiscal Year 2005

A synopsis of TSSC's quarterly activities is provided in the following Executive Summary.

This Quarter centered on completing on-going FY 2005 work plan activities as the US-AEP program formally ended on September 30 and the TSSC contract is scheduled for completion on December 31, 2005. Over the quarter, the TSSC staff have been intensely involved in providing coordination support, technical guidance, and many other levels of support to the country programs. The following is a summary of the highlights of activities that have occurred this quarter, from July 1st through September 30th.

Regional Activities

Regional activities of the TSSC in this quarter focused on developing the US-AEP Lessons Learned Report that will assist in the program's close-out. The Lessons Learned activity resumed in the early part of the quarter. During this period, interviews with local partners were conducted in Vietnam and in India partners were interviewed via a questionnaire, primarily through the Southern Office.

Also during the quarter, several Success Stories were compiled and submitted to the USAID "Telling Our Story" initiative. These included a story on energy efficiency in India, biogas production in Sri Lanka and improved water supply energy efficiency in Thailand. In addition, three US-AEP Success Stories were published on the USAID website. Published stories included cleaner vehicle emissions in Vietnam, cleaner air in Sri Lanka, and using solid waste materials in Sri Lanka to create an enterprise that sells compost.

Improved Air Quality

Air quality activities in this quarter centered primarily around projects that were focused on improving the air quality in South East Asian, particularly in Indonesia, the Philippines and Vietnam.

In Indonesia, US-AEP has continued to provide support to monitor and manage the health effects of air pollution. Recent activity included additional collection and analysis of children's blood samples to measure lead levels and support for the University of Indonesia to monitor exposure to particulate matter and carbon monoxide. The latter study is a particularly high profile activity in Indonesia and is being carried out using rigorous scientific methodology. This study is expected to serve as a catalyst for increasing the use of scientific data as the primary basis for the development of health policy in Indonesia.

In the Philippines, activity continued to focus on reducing transport emissions, particularly from tricycles, and increasing public health awareness about air pollution and its health effects. Activity over the past quarter included:

- Tricycle emission testing was launched in Quezon City as part of an air quality improvement initiative with the tricycle operators association;
- In the City of Calbayog, a campaign to clean-up tricycle emissions was launched and a strategic plan for reducing emissions was developed;
- A University of the Philippines National Center for Transportation Studies course was delivered to municipal officials on motorcycle/tricycle preventative maintenance to reduce emissions; and
- The Environmental Broadcast Circle (EBC) received continued support to produce clean air public awareness materials. The EBC advocacy campaign will use television, radio and comic books to increase the dissemination of information on the causes and effects of vehicular pollution.

In Vietnam, US-AEP continued its work on reducing motorcycle/tricycle emissions, improving air quality monitoring and reviewing air quality standards. Specific activities included:

- Support to the Hanoi Department of Natural Resources and Environment/World Bank program to implement the Hanoi motorcycle clinic and testing activity, which provides free engine check-ups and minor maintenance for about 2000 motorcycles;
- Delivery by the Asia Foundation of two workshops to promote Vietnam's adoption of more stringent vehicle emissions and fuel standards; and,
- In collaboration with Vietnam's Center for Environmental Engineering for Towns and Industrial Areas, the East West Center hosted a workshop on "Air Quality Management in Hanoi and Exposure Assessment."

Improved Water Quality, Supply and Sanitation

Most of US-AEP's emphasis on improved water quality over the past quarter occurred in Indonesia; however, other US-AEP countries carried-out related activities which have been categorized classified under promoting environmental governance. An example is the Thachin River Basin management activity in Vietnam, which takes a governance approach to improving river basin water quality management. There was also a modest level of water quality improvement activity in India, which was highlighted by a workshop on decentralized sewage treatment to increase the use of recycled water.

In Indonesia, efforts in the water sector included continued support for upgrading the skills of wastewater treatment operators, re-rating water treatment plants to increase water output, and conducting river water quality monitoring activities. Current efforts to increase the skills of wastewater treatment plant operators focused on continued analysis of job descriptions in six water enterprises in Sumatra, Java and Sulawesi using questionnaires and direct interaction. The results of this analysis will feed into the development of a competency-based training and certification program, which will become a mandatory government requirement for all operators. In addition, a self-instruction tool for distant learning/self-instruction for wastewater treatment operators was completed in late September.

Improved Waste Management

TSSC Staff in the Philippines, Sri Lanka and Vietnam were involved in projects that focused on improving waste management practices, with the most significant level of activity being implemented in the Philippines. Highlights of these projects follow.

- The Philippines: A Cement Kiln Co-Processing Guidelines Technical Workshop and Regional Consultation was held in July on the use of use of waste as alternative fuel for cement kilns; US-AEP staff provided assistance to the Department of Environment and Natural Resources to review policy guidelines on the use of Alternative Fuel and Raw Materials in Cement Kiln Co-processing; and a "First Responders Awareness Training" was held in support of the Philippine Chemical and Hazardous Wastes Emergency Management Program.
- Sri Lanka: Assistance was provided to the Central Environmental Authority to implement Hazardous Waste Management Regulations, which included providing expertise to develop inspection formats, monitoring reports and protocols for handling complaints.
- Vietnam: In collaboration with Vietnam Environmental Protection Agency, US-AEP held a consultative meeting to provide stakeholder and expert comment on draft environmental procedures to permit the incineration of hazardous waste at a Hanoi cement kiln. Key areas reviewed by the experts included the discussion of best available technology and practices for kiln incineration, and suggestions for addressing handling, collection, storage, transport and disposal.

Improvements in Energy and Industry

US-AEP Energy Efficiency activity is winding down, although a modest level of activity took place in Thailand and Vietnam. In Thailand, the Department of Alternative Energy Development and Efficiency continued to coordinate with Oregon's Department of Energy on work to develop Energy Efficiency Policy Incentives. In Vietnam, collaboration continued between the Chemical Society of Vietnam, the Ministry of Industry, and the Bayer Thai Company. The purpose of the collaboration, begun in 2003, is to introduce the Responsible Care Program, which is a voluntary industry initiative

to improve all aspects of health, safety and environmental performance in industrial production processes, products, and workplaces. A case study is currently being completed on how to implement the Responsible Care program at the industry level.

In Sri Lanka, the “kick-off” of the Integrated Environment and Energy Assistance Intern Program was launched. The program includes a 3-month pilot effort where 10 university students are to be trained on environment and energy auditing. The trainees will receive assistance from Minnesota engineers who will provide on-site training in conducting environment and energy factory walk-through audits.

Improved Environmental Governance

A large number of US-AEP activities during the quarter supported the improvement of environmental governance and increase public participation. The TSSC has been substantially involved in providing coordination and technical expertise to many of these projects. Most environmental governance activity occurred in the Philippines, Sri Lanka, Thailand and Vietnam.

In the Philippines, the TSSC activity focused principally on supporting improved environmental capacity among municipal officials and the judiciary. Specific activity included: completion of a draft “Clean Water Book” to provide local government leaders with background information on the Clean Water Act and guidance concerning the policy’s implementation; the Florida League of Cities provided exchange support to the League of Cities of the Philippines to develop an environmental unit; and a draft interactive training module was developed for judges on environmental law and policy.

In a separate activity, the TSSC supported the Sri Lankan Waste Management Authority of Western Province in conducting four workshops to solicit stakeholder input on how to strengthen the province’s waste management legal framework.

In Thailand, TSSC staff issued four grants and three technical assistance contracts to support the Enhancing Community-Based Environmental Management of the Thachin River Basin activity. Approved activities included: water quality monitoring, organic farming promotion, a public awareness campaign, and capacity building for local organizations. Additional work also continued in support of the CityLinks Partnership to Enhance Municipal Environmental Management, which included planning a final Lessons Learned Conference and completing a public participation training manual.

In Vietnam, the US-AEP case study investigation into the economics of water allocation in the Nhue Day Basin in Northern Vietnam was disseminated at a workshop with the Department of Water Resources Management and other stakeholders in late September. The study made numerous recommendations, including highlighting the river basin’s need for adequate dry season flow to reduce the negative impacts of water quality pollution from urban and industrial discharge in and around Hanoi.

The main text of the US-AEP TSSC Quarterly Report follows. The report contains detailed information on the full set of technical and administrative activities carried-out by the TSSC over the recent quarter.

Lessons Learned

Philippines: Lessons Learned

The TSSC designed, prepared and printed an exhibit booth for the Philippines' Lessons Learned conference and facilitated the engagement of regional speakers. Other support activities included finalizing the writing, editing and design of "Partnership Practices That Work in the Philippines" handouts for the conference, and preparing and printing 12 other US-AEP Success Stories for distribution at the conference.

Sri Lanka: Lessons Learned

The TSSC has been working with US-AEP/Sri Lanka to develop a country-specific lessons learned document for publication. An initial draft was completed in August and revisions continued in September. The document will be finalized in the later in the year.

Regional: Lessons Learned

In mid-July, USAID requested that the TSSC continue work on the previously halted regional lessons learned activity. As a consequence, the TSSC drafted a revised workplan taking into account the more limited timeframe for the completion and re-initiated interviews with key program partners. Interviews have primarily continued by phone, but several in-person interviews were conducted in the Philippines during the US-AEP/Philippines Lessons Learned Conference.

Success Story Development

During the last quarter of FY2005, five success stories were published on the USAID's Telling Our Story site, with three other US-AEP success stories published in October 2005. These were:

- [A City Finds a Windfall in Efficiency](#) (published October 2005) - India
- [Getting the Lead Out](#) (published September 2005) - Indonesia
- [Greater Savings, Cleaner Air](#) (published September 2005) - The Philippines
- [Renewable Energy Boosts Economy](#) (published July 2005) - Thailand
- [Changing the Political Culture](#) (published July 2005) - Thailand
- [Woman with No Time to Waste](#) (published July 2005) - Vietnam
- [Eco-Tourism Reaps Benefits](#) (published October 2005) - Vietnam
- [Generating Biogas from Wastewater](#) (published October 2005) - Sri Lanka

Regional Activities

Parkson Water Treatment System Donation

The TSSC continued its support of this donation project in southern Thailand by acting as a liaison between Thai officials and the U.S. donors of the equipment and shipping services, supporting a Peace Corps volunteer on a three-month assignment to lead the installation of the equipment, and coordinating a dedication ceremony which was attended by many local and international representatives, including the U.S. Ambassador to Thailand.

In mid-July, the TSSC was requested to quickly form a team of international experts to act as resource for a conference on sustainable city indicators and awards organized by the ASEAN Secretariat and member countries. After extensive contact with U.S.-based experts, several strong candidates agreed to participate. However, a week before the scheduled conference, ASEAN postponed the conference, and although the TSSC has maintained contact with the ASEAN Secretariat to determine new dates for the conference, it has yet to be finalized.

In this Quarter, the TSSC Country Program Coordinator (CPC) provided oversight and guidance to assist in the completion of many TSSC grants that were provided to various entities in support of the FY2005 workplan. The status of these grants and STTA are outlined under the applicable headings below. The TSSC Urban Infrastructure Expert, Mr. PU Asnani and TSSC Regional staff supported other efforts in India this quarter.

Improving Air Quality

Center for Environmental Education (CEE) Grant

Progress was reviewed on the Air Quality Management grant. As part of their internal procedure, CEE had sent all the supporting vouchers to its Head Office at Ahmedabad. The forthcoming activities of CEE include a one day workshop at Department of Environmental Science at University of Pune, work on an awareness campaign for industries and posting the a report of work completed on a web site.

Improving Water Quality

Support for "Campaign for a Clean Ganga"

The TSSC office provided assistance to the Kankat Mochan Foundation in Varanasi, India which has been supported by US-AEP on their "Campaign for a Clean Ganga" (also known as the Ganges river). The TSSC provided assistance with strategy on how to involve the private sector in advancing the objectives of the Clean Ganga campaign. This involved consultations with staff of the Foundation, and reviewing of draft documents and promotional materials.

Improving Waste Management

Insert Mr. Asnani work here

Improving Energy Efficiency

Maharashtra Energy Development Agency (MEDA) Grant

Discussions were held regarding two grants being implemented by MEDA. The first pertained to Energy Efficiency projects in Grampanchayats, and this grant has been completed. The second grant is for MEDA's work with the Government of Maharashtra on a Watergy project, on evolving model performance contracts for ESCOs to be used by ULBs and development of Best practices manual for demonstration of low cost energy efficient techniques. MEDA has finalized the scope of work for the consultants to undertake evolution of model performance contracts and planned to award the contracts by first week of August 2005. MEDA is on schedule and was in the process of development of the best practices document in the regional local language i.e. Marathi.

All India Institute for Local Self Governance (AIILSG) Grant

On July 15, 2005 in Mumbai the TSSC reviewed the progress of the Watergy grant with AIILSG and the STTA of Dr. Sneha. The most recent work included a workshop on Home Composting and the estimation of related costs, discussions with top officials of Municipal Corporation of Greater Mumbai (MCGM) on institutionalization of ALM groups, discussion on Community Contracting with respect to Section 63 A of the MCGM Act and the modalities of upfront financial support by MCGM to ALMs for setting up vermi-culture facilities.

The Energy and Research Institute (TERI) 1 Grant

TERI: Mr. Halpeth informed USAEP that TERI has done work on the first two deliverables and would be submitting its report and claim for the same. He also stated that the work relating to 3rd deliverable is getting delayed on account of DJB's intent to change the location of pumping station where new operating systems would be installed. It was requested that the work be completed by September 30, 2005.

The Energy and Research Institute (TERI) 2 Grant

A workshop on implementation issues for Eco-housing was held at Pune on July 13, 2005, and was chaired by the Municipal Commissioner and Suneel Parasnis. TERI will submit its final report based on the deliberations and feedback received from the stakeholders on its website. TERI will also submitting the liquidation form in a consolidated manner shortly.

Improving Environmental Governance

Ashoka Trust for Research in Ecology and Environment (ATREE) Grant

ATREE submitted its first set of deliverables but is lagging in submission of the second and final set of deliverables. Mr. Rai informed stated that ATREE has implemented all the activities under the Grant and is almost ready with the final report and 2nd set of deliverables. The draft of training manual is also ready and he promised to send the report to USAEP within next 7-8 days.

Ecotourism and Conservation Society of Sikkim (ECOSS) Grant

ECOSS will be submitting the next set of Deliverables and Liquidation Report within next 10 days.

Development Alternatives (DA) Grant

Dr. Vijayalaxmi informed the TSSC that DA will be submitting a final GRI report by August 2005.

City Managers' Association of Gujarat (CMAG) Grant

The TSSC conducted a review of a grant application for the evolution of standard documentation for procurement of services by ULBs for implementation of SWM rules and also the extension to earlier grant on Solid Waste Management. Dr Anantani informed US-AEP that they have completed the workshops under the earlier grant. As for the current grant he stated that the work to compile existing practices has been completed and CMAG is in the process of collating the standard document. CMAG has planned four regional workshops to occur in the latter part of this Quarter.

Improving Air Quality

Widening leaded gasoline phase-out for better air quality and public health - Lead and Children's IQ (LACIQ) Study in Bandung

In the early part of this Quarter, the TSSC received and reviewed the first progress report from the LACIQ team, and requested clarification of the results of children's blood lead levels to date. The CPC also conferred with the team about its plan to measure ambient air quality in the areas surrounding the children's schools; the team intended to continue using the mobile monitoring units from the Department of Public Works.

In the first report, the team remarked that it would coordinate with Puput from the Lead Information Center (LIC) to take duplicate samples of blood as a way to verify blood lead level content. The preliminary results were high, averaging 24 µg/dl from 114 children. The LIC will take 5-10 duplicate samples in September to compare levels using the LeadCare test kits. It was feared that the containers used in the LACIQ study might contain lead; a verification exercise using a different method and sample equipment was therefore performed on the blood to analyze for lead. The CPC helped to coordinate this verification process.

Health Risk Monitoring - Exposure to Particulate matter (PM) and Carbon Monoxide (CO)

The University of Indonesia continued to collect data from various target groups, but the schedule has slipped considerably due to bad weather and equipment problems. In particular, data analysis and results interpretation will run short of the September 30th deadline. As a result, US-AEP and the University of Indonesia met to talk about overall progress and develop a new agenda on PEMS completion. The CPC prepared a timeline based on the discussion results.

At the same time, US-AEP discussed the need for a no-cost extension, given that the weather and equipment malfunction played a key role in delaying the PEMS implementation. Another reason to extend this activity was that the PEMS is high-profile, and the results generated must be adequately solid to address current policies and reintroduce health sciences as the primary driver for policymaking. The process will require a coordinated peer review by senior U.S. scientists and will require additional time. For these reasons, USAID/RDMA agreed to extend the project into November 2005. With the extension approved, the CPC revised the existing timeline and distributed it to all the PEMS partners.

Improving Water Quality

Upgrading Skills in Water Utility Operations - Competence-Based Certification Program for Operators of Water Enterprises

Throughout the first part of this Quarter, the Yayasan Pendidikan Tirta Dharma (YPTD) continued to analyze the job descriptions of operators in six water enterprises in Sumatra, Java and Sulawesi using questionnaires and direct interaction. The enterprises were selected based on different sizes, distribution systems, water losses, number of customers, etc. The result from the analysis will feed into the development of a competence-based training and certification program. The YPTD has worked closely with government institutions to make such certification mandatory.

The YPTD also submitted its first major deliverable (progress report along with draft of training modules) in mid-August. Upon review, the CPC noted that the report required considerable changes, such as the addition of detailed descriptions of the operator job description review process; identification of changes in the current training modules, as a result of the review; and an overview of progress to date. The CPC discussed with YPTD the required changes to ensure revisions were made by end of August.

Self-Instruction Training Package for Wastewater Treatment Plant Operators Certification Program

The TSSC initiated discussions with Indonesian Society of Sanitary and Environmental Engineers (IATPI) to have Terry Driscoll attend the launch of IATPI's CD-ROM tool for distance learning and self-instruction in late September as Mr. Driscoll was scheduled to be in Indonesia during this time period. IATPI noted that technical issues in programming of the package's interactive menu caused a delay of about three weeks. The problem was fixed, and IATPI finished the package mock-up in CD-ROM in early September.

Re-rating Water Treatment Plant Capacity to Increase Water Output

The TSSC coordinated with the trainers, the coordinator from PERPAMSI, and Terry Driscoll to prepare materials, and confirmed the schedules for re-rating analyses and training events in the two water treatment facilities (PDAMs) in September. Materials initially prepared by Terry Driscoll were translated and modified by the two trainers to consider current conditions in the two facilities. The TSSC also helped to change the material structure and reviewed all the training modules. The CPC coordinated with USAID's Environment and Science Policy Program (ESP) to see whether ESP can continue to monitor the trainees and verify if re-rating can take place in their respective PDAMs after the US-AEP project ends. The ESP has agreed and as a result, nearly 60 percent of the participating PDAMs are from ESP focus areas in Java, Kalimantan and Sumatra.

Water Quality Monitoring Program by FORKAMI

After several discussions, the Asia Foundation (TAF) has proceeded with the grant approval process for the association of Indonesian drinking water companies, PERPAMSI, and the Forum Komunikasi Kualitas Air Minum Indonesia (FORKAMI). In mid-July, the TSSC attended a water quality information workshop by FORKAMI in partnership with a private water service provider. In late July, the TSSC met with PERPAMSI to get an update on the module development to help strengthen water enterprise relations with stakeholders (government, legislators, consumers). The TSSC assisted in the review of the modules along with other stakeholders from donors, consumer groups and central government.

The TSSC also attended two river water quality monitoring activities by approximately 80 junior high school students; activities took place in two different major rivers in Jakarta (Ciliwung and Malang Rivers). Each activity consisted of a brief lecture on water conservation and water quality parameters; sampling of river water at various locations along the river; measuring pH, dissolved oxygen, turbidity, and biota count; and visiting a large municipal water treatment plant in Jakarta to understand water treatment processes. The event was captured in local media as well.

FORKAMI's program in August also included 3 radio talk shows to help raise awareness of water conservation, treatment and quality improvement. Experts from FORKAMI's networks were involved.

Administration

The TSSC helped prepare materials on stakeholder participation for Mr. Ahmad Syafrudin from the Indonesian Lead Information Center to present at a USAEP Lessons Learned Conference in the Philippines.

In late August, the CPC attended the 2nd Southeast Asia Water Forum in Bali and met with sector practitioners, identified linkages to continue work with partners beyond USAEP, and received updates on current water sector trends.

Improving Air Quality

Clean Air Program for Tricycles

The TSSC met with the University of the Philippines National Center for Transportation Studies (UP NCTS) and Councilor Dante de Guzman of the 3rd District of Quezon City to discuss initiation of tricycle emission testing activities. After several consultations and coordination meetings, Quezon City launched its "Clean Air, TODA Care" project to increase the awareness level of tricycle operators and drivers' associations (TODAs) and encourage their participation in initiatives to clean the air. Councilor Dante de Guzman, in collaboration with the UP NCTS and the Environmental Management Bureau, led the free tricycle emissions testing activities in July 2005. More than 150 units were tested for hydrocarbon and carbon monoxide emissions while the drivers were interviewed to learn about their driving practices and maintenance habits.

The Motorcycle Development Program Participants Association, Inc. conducted the last two modules of the 4-module Motorcycle/Tricycle Preventive Maintenance Workshop funded through a TSSC grant. Participants were taught the proper use of fuel and other additives and oriented on load requirements, hydrocarbon and carbon monoxide emissions from motorcycles and tricycles and emission testing. The workshop is in support of the implementation of the Mandaue City Clean Air Management Program. The TSSC plans to include the 4-module workshop in the Clean Air Quality Toolkit that will be turned over to the LCP as a guide for local governmental units (LGUs) to develop their own clean air programs.

Clean Air Program for 2nd and 3rd Local Government Unit

The City of Calbayog launched its Clean Air Program in early July 2005 with a series of events that started with a motorcade around the city. Following the motorcade was an orientation program in which the TSSC, representatives from Puerto Princesa City, and the Tagbalay Foundation gave valuable input on implementing a clean air program for tricycles. Participants from various sectors— city departments, the Land Transportation Office, the Department of the Environment and Natural Resources (DENR), the Philippine National Police, and officers of the local Tricycle Operators and Drivers Associations— participated in the two-day Strategic Planning Workshop that was facilitated by the TSSC. The TSSC conducted baseline data gathering in Calbayog City in September 2005 in connection with the development of a strategic plan for the three-wheeler sector in the city.

Public Awareness on the Health Effects of Air Pollution

The TSSC attended and provided technical support to the August 5 launch in Lucena City of the advocacy materials on clean air, specifically, radio and TV plugs and comics, produced by the Environmental Broadcast Circle (EBC). The materials are now being aired on various local radio and cable TV stations in the city while the comics have been distributed among the city's tricycle operators and drivers, students, and local officials. During the launching, the EBC presented the results of their pre-campaign survey concerning clean air issues in Lucena City.

On September 16, th Tagbalay Foundation, Inc., conducted the Student Leaders' Seminar Workshop on clean air. Thirty two students from 15 schools all over Puerto Princesa City participated in the seminar. The seminar provided knowledge and motivation to the students to enable them to become active in the city's clean air program. Students were also expected to participate in information, education, and communication campaigns as well as eco-seminars in their respective schools.

Improving Waste Management

Cement Kiln Co-Processing Guidelines

The TSSC provided a speaker at the Cement Kiln Co-Processing Guidelines Technical Workshop and Regional Consultation held July 12-14, 2005. Government officials from the Department of Environment and Natural Resources-Environmental Management Bureau (DENR-EMB) and the Department of Science and Technology-Industrial Technology Development Institute (DOST-ITDI) took part in a three day workshop to learn about use of wastes as alternative fuels and raw (AFR) materials in cement kilns. The DENR-EMB discussed existing laws and policies pertinent to cement kiln co-processing, while the cement industry representatives discussed dioxins and furans. A highlight of the Workshop was a tour of the Holcim Philippines facility during which the participants observed used rubber tires and moldrunners (wastes from the semiconductor manufacturing process) fed into a kiln. Participants also reviewed and finalized the policy guidelines and identified issues and concerns on the use of AFR on cement kilns. The guidelines will be presented to the industry associations for final comments being signed as a DENR Administrative Order.

Chemical and Hazardous Wastes Emergency Response Program (CHWEMP)

In support of the implementation of the Philippine Chemical and Hazardous Wastes Emergency Management Program (CHWEMP), the Environmental Practitioners Association (EPA) led the establishment of the Emergency Response Teams (ERTs) for chemical and hazardous waste incidents through a TSSC grant. In the first of several planned training activities under the grant, the EPA, in collaboration with the Bureau of Fire Protection and the National Defense College of the Philippines, organized the "First Responders Awareness Training" on July 25 and 26, 2005. The TSSC provided technical assistance during several coordination meetings and facilitated US-AEP funding support through EPSG to delegates from the Bureau of Fire Protection Special Rescue Unit to attend the training.

The TSSC also assisted in organizing officials, key personnel, incident managers and decision-makers from various government agencies and industry associations for a 3-day workshop in Cavinti, Laguna on the Incident Command System (ICS) and its applications for managing hazardous materials incidents and emergencies. Participants were briefed on the ICS concept, its functions, structures and principles, and the advantages of using the ICS in managing incidents. Dr. Rolando Cuaño, a disaster risk management expert engaged by the US-AEP, presented the draft CHWEMP National Response Plan, development of which was supported by a TSSC grant. The workshop was conducted in collaboration with the NDCC, an agency under the Office of Civil Defense of the Department of National Defense. After the workshop, the NDCC will review, finalize and implement the CHWEMP National Response Plan.

A mock exercise was held on September 27, 2005 in Pasig City to test the readiness and identify gaps and areas for improvement of the established Emergency Response Teams (ERTs). The ERTs were formed as the primary group to respond to chemical and hazardous wastes incidents and emergencies. The simulation exercise was followed by a closeout and turnover ceremonies.

Improving Environmental Governance

Implementing Rules and Regulations for the Clean Water Act

TSSC's STTA consultants met with the CPC to discuss the initial draft of the "Clean Water Book." The book is a 52-page publication that is designed to give local governmental units background material on the Clean Water Act. The book is to be used in tandem with a CD-ROM that will present access to hyperlinks and websites on issues and concerns regarding Clean Water.

Capacity Building for the League of Cities

The TSSC continued to monitor and liaise with League of Cities of the Philippines (LCP) regarding the series of exchanges between the LCP and the Florida League of Cities (FLC) to develop an environmental unit for the LCP. The TSSC participated in technical assistance for the Sharing Forum for Cities on solid waste management, held in Antipolo City.

Greening the Judiciary

Dr. Maria Assunta Cuyegkeng presented to the TSSC a draft of the interactive training modules on environment for judges. The modules were then tested during the Philippine Judicial Academy (PHILJA)-sponsored Regional Judicial Career Enhancement Program on July 27, 2005. Dr. Cuyegkeng is introducing improvements to enhance the modules with the help of Genee Misleng of Tanggol Kalikasan and Attorney Sedfrey Candelaria of PHILJA. On August 29, 2005, Dr. Cuyegkeng submitted a printed copy of the edited modules but without the portion which would largely come from Genee Misleng. Ms. Misleng finalized the contents on forestry and coastal resources and submitted the final deliverable to the TSSC on September 30, 2005.

Lessons Learned Conference (August 17-18, 2005)

More than one hundred nine participants from various sectors attended the US-AEP Lessons Learned Conference on August 17-18, 2005. There were 69 participants representing local governments, 13 from non-government organizations, 13 from national government agencies, 5 representing academic institutions and 3 from business organizations. The rest were from other USAID programs, officials from financing institutions and donor organizations and US-AEP Program partners.

The TSSC contracted an event coordinator to plan, organize and manage the conference. The TSSC assisted the contracted organizers in sending out the invitations, confirming the attendance, arranging for the accommodation of guests (in coordination with EPSG) and preparation of the venue and materials needed for the conference.

TSSC's CPC in the Philippines, was the overall moderator of the conference. The new USAID Mission Director Jon Lindborg welcomed the participants to the conference. The US-AEP TSSC Chief of Party Ms. Elaine Blatt gave a presentation on the history of US-AEP during the opening program, while the Deputy Chief of Party Anthony Kolb shared some experiences of other countries in the Region.

Improving Waste Management

Implementation of Hazardous Waste Management Regulations

The TSSC coordinated a visit from Dr. YuYang Gong of the Louis Berger Group to help the Central Environmental Authority (CEA) to implement Hazardous Waste Management Regulations. Dr. Yang worked with the staff of CEA, other stakeholders and two local experts to develop criteria to prioritize the sectors, and formats for inspection and monitoring reports and complaint handling. He also provided advice on current regulations and their implications for future amendments while developing mechanisms to identify violators and actions against them. The TSSC attended the meetings and workshops.

Improving Environmental Governance

Midwest-Sri Lanka Environmental Alliance Project

The TSSC provided support to for the launch of the Integrated Environment and Energy Assistance Intern Program conducted at the Central Environmental Authority of Sri Lanka. This intern program includes a three-month demonstration pilot effort where 10 university students are to be trained on environmental and energy auditing. The University of Moratuwa and the National Cleaner Production Centre of the Small and Medium Enterprise Developers (which is a project of the Federation of the Chambers of Commerce & Industry in Sri Lanka) will conduct the training while the CEA conducts the coordination. The trainees received assistance from two engineers from the Minnesota Retired Engineer Technical Assistance Program for an initial walk through survey and recommendations for industries. Environment Management Lanka was the fiscal agent for this program under the guidance of US-AEP.

Enhancement of the Legal Framework of the Western Province Waste Management Authority

The TSSC provided coordination and logistical support to the Waste Management Authority of the Western Province for four one-day workshops in Colombo and obtained input from various stakeholders to strengthen the legal framework for the waste management in the province.

Administration

The TSSC reviewed the progress of on-going grants and STTA and provided assistance to various grantees and consultants so that their activities could be completed by September 30, 2005. The final deliverables and other documents, as well as invoices and cost share certificates, pertaining to the grants to WINGS, EML and QRG to ISB, have been reviewed and transferred to Washington for final payments. TSSC is continuing to receive final invoices from other grantees and consultants.

Improving Environmental Governance

Enhancing Community-Based Environmental Management of the Thachin River Basin

TSSC staff finalized three grants and four STTA contracts in July. Those were:

- Water Quality Monitoring Program (Grant)
- Organic Farming Promotion (Grant)
- WQM Extension/ Results Interpretation (STTA/PO)
- Public Awareness Campaign (STTA and Grant)
- Website Development (STTA/PO)
- We Love Thachin Capacity Building (STTA)

The finalization process included providing input on the proposals, deliverables, payment schedule, and guidelines on the budget. The TSSC provided the technical and political insight to the development of each of the projects, including the history of the project, background information on partner organizations and target recipients, the current projects in the region, and insight on the cultural and political context. The TSSC also attempted to ensure sustainability of the projects by facilitating the communication between each of the grantees and local partners. In addition, the TSSC introduced the grantees to others who are doing relevant work in the region.

The TSSC staff facilitated the grant and contract submittal process by coordinating among the local partners, grantees, and Washington, DC staff on the proposal guidelines, banking information, completion of source memos, and other related paperwork. The TSSC provided clarification of the grant process and submission guidelines to each of the grantees by holding one-on-one meetings to discuss the process. The TSSC also prepared a series of sample documents for the grantees to use as guidelines in the submission process; examples are: sample receipts, invoice memos, sample budgets, and expense forms.

The TSSC staff also provided logistical and technical support, specifically for out-of-country grantees. This included communication between the grantee and local partners in the development of workshops, participation lists, facilitation of communication, and hotel, transportation, and venue arrangements.

In this Quarter, these arrangements were made for Dave Nemazie and the University of Maryland for his "Water Quality Monitoring Plan." The TSSC handled all of the logistical arrangements (invitations, registration, venue logistics, distribution materials) for a meeting with Government of Thailand and other meetings with the Thachin Technical Stakeholders. The TSSC participated in each of the activities and provided technical insight.

In the last part of the Quarter, the TSSC staff worked with Robert Steele and Thailand's Regional Environmental Office (REO) 5 to arrange the Press Conference: *Restoration Efforts for the Thachin River Basin*. The TSSC provided planning and logistical support for the Press Conference that included agenda development, identification of speakers and participants, and preparing press releases for distribution.

The CityLinks Partnership to enhance Municipal Environmental Management

In preparation for the CityLinks Lessons Learned Conference and Training, the TSSC worked closely with the planning committee from the three-city partnership to develop the action plan for the conference. Work included organizing conference calls with the planning committee, developing the action plan, and facilitating the coordination between the Thai partners, Portland partners, and ICMA. In addition, the TSSC initiated a relationship with the Municipal League of Thailand to solicit their help as an additional conference organizer.

The TSSC staff worked closely with Khun Surapong from Khon Kaen to finalize the Public Participation Technique Manual. The preparation included the coordination between the three cities and the Portland team to develop the preface, introduction page, and sample techniques. The TSSC also helped review final contents and participated in the selection of the training team members. In addition, the TSSC coordinated with the City of Khon Kaen and various vendors to arrange for the printing, translation and production of the training manuals. The manuals were distributed at the CityLinks Lessons Learned Conference.

The CityLinks Lessons Learned Conference

The TSSC staff organized the conference on September 8-9, 2005. This included coordinating logistical arrangement and correspondence, developing an agenda, soliciting speakers, and other technical guidance. A partial list of work is described below:

- Organized conferences call with the planning committee,
- Developed action plan (tasks and due date) and tracked the progress of each task
- Provided ICMA the updated budget,
- Coordinated with local vendors to purchase equipment/ services in preparation for the conference on ICMA's behalf,
- Developed the agenda (in Thai and English) for both the conference and training course,
- Hired a junior secretary to assist in the logistical arrangements (Khun Jittima Nukeaw),
- Mailed the invitation letters (~60 copies) to the participants,
- Followed up with the invitees: to assess attendance and coordinate the travel and accommodations,
- Arranged the room set up for the conference and reception dinner,
- Coordinated with hotel and local partners, speakers, and panelists,
- Coordinated the venue arrangements- tasks included: set up displays, back drop, room layout, electronic equipment, etc. ,
- Arranged the simultaneous translation,
- Provided the logistical arrangements for the Portland team, three city partners, and participants, and
- Arranged a reception dinner for the three city partners

The TSSC staff worked with ICMA to process payments to all of the vendors (e.g. hotel, interpreters, printing house, translation equipments, panels, air tickets, and service cost for the junior secretary) in order to close out this activity. The TSSC staff also worked with ICMA to facilitate their submission of the deliverables and invoices to process payments for the QRG grant.

Improving Energy Efficiency

Energy Based Tax Incentives Program

In the early part of this Quarter, the Department of Alternative Energy Development and Efficiency (DEDE) visited Oregon's Department of Energy to continue their work on Energy Efficient Policy Incentives. The TSSC's role involved the arrangement of conference calls between all parties and the assistance in the development of the workshop agenda and content.

The third and final collaboration between Oregon's Department of Energy and DEDE occurred on August 29th -September 1st, 2005. The TSSC staff facilitated communication in preparation for the exchange to Thailand. This included the arrangement of conference calls between all parties and the assistance in the development of the workshop agenda and content. The TSSC staff also participated in the workshop.

Improving Air Quality

Air Coordination Activities

The TSSC represented the Vietnam Clean Air Network at three meetings of the CAI-Asia Secretariat with the objective of improving the coordination between the Secretariat, the local networks, and the secretariats of the different CAI-Asia pilot projects. The meeting brought together experts from Asia and other projects such as Public Health and Air Project in Asia, DIESEL, CAT Net-Asia to find the way forward to improve the coordination and delivery of air quality monitoring related assistance at the city level in Asia and projects. The TSSC presented "Strengths and Weaknesses of Clean Air Network in Vietnam" at the meeting focusing on organizational structures, members, air quality monitoring activities, funding, sustainability, leadership and capacity.

TSSC participated in a workshop on the Environmental Information and Reporting project funded by DANIDA. The project aims to establish timely, reliable environmental information and reporting systems in Vietnam. The project commenced in 2003 and it has been piloted in three provinces, namely Hanoi, Ha Nam, Thai Nguyen and Quang Nam. The stakeholders at the meeting were invited to provide critical input to the progress of the project to-date and in the future in developing the State of Environment Report for Hanoi City.

The TSSC also assisted Marcus D. Engle, Professor of Public Administration, of the Executive Leadership Institute, Global Initiatives Program, Portland State University to establish a collaborative relationship with Professor Dang from the Center for Environmental Engineering of Towns and Industrial Areas (CEETIA) for Hanoi, to become a partner in the air quality monitoring program. The TSSC assisted Professor Engle in planning a scoping mission to Hanoi to discuss specific requirements with Dr. Dang, and then developed an assistance program based on those discussions, including the "community-based environmental management" toolkit.

The TSSC contributed to discussions and the debate on diffusive sampling in air quality management (AQM) and the elements of integrated AQM. The meeting included representatives from government, universities, research institutions, donors and NGOs. At the meeting the proposed implementation plan for diffusive air quality monitoring in Hanoi was outlined and discussed. Critical to the implementation of the diffusive AQM are the cross cutting issues, namely policy, awareness raising and data management. Diffusive sampling is a low-cost, comprehensive, hybrid air quality monitoring network.

Euro standards in new vehicles and fuel to improve air quality in Vietnam

The Vietnam Register (VR) and Directorate for Standards and Quality (STAMEQ) - in collaboration with the US-AEP and the Asia Foundation - organized two national workshops that will help move Vietnam towards more stringent vehicle emissions and fuel standards. At the workshop STAMEQ announced that EURO 2 standards will be adopted in 2007. The long-term goal of the standards announced at the workshops is to better protect public health and the environment in Vietnam. US-AEP funded speakers from the United States, Europe, China and Thailand shared their experiences implementing EURO vehicle emission and fuel quality standards.

The TSSC also participated in a special meeting of the Road Vehicles Technical Committee at the offices of the Ministry of Science and Technology, Directorate for Standards and Quality. The meeting was chaired by Mr. Tran Duc Hoa, Senior Officer of the Vietnam Technical Standard (TCVN) and Secretary of the Committee. The purpose of the meeting was to discuss two issues: updating the short term vehicle standards and discussing the future road map for new vehicle standards, especially whether to leapfrog to EURO 4 rather than EURO 3 standards in 2010. The TSSC advised them that they should tighten the current standards once again after the tighter standards were introduced for new vehicles.

Monitoring Vehicular Air Pollution in Hanoi City (FY2004)

The TSSC worked with Vietnam's CEETIA and the East West Center to host a workshop on "Air Quality Management in Hanoi and Exposure Assessment." One hundred and five international decision-makers and practitioners on air quality issues attended the workshop. The objectives of the workshop included:

- Disseminate CEETIA's results of the air quality monitoring mobile station in Hanoi City,
- Provide awareness on air pollution exposure and health risks,
- Provide recommendations of how to improve air quality, and
- Provide awareness on communication strategies for air pollution

The workshop received significant media coverage in local newspapers, scientific journals and on television.

Improving Waste Management

Polychlorinated Biphenyls (PCBs)

In September 2005, Electricity Vietnam (EVN) in collaboration with US-AEP and Affinity Consultants, finalized the PCB Management Plan to ensure the proper and safe handling, transport and disposal of PCB in Vietnam for those staff persons who maintain and inventory transformers and power supply and distribution equipment and who work extensively with transformer oils. The PCB Management Plan is intended for the Ministry of Industry and EVN departmental staff, power companies, and substation staff who come in daily contact with PCBs.

Cement Kilns

The TSSC and the Vietnam Environmental Protection Agency held a half-day consultative meeting to comment on the draft environmental procedures to permit the incineration of hazardous waste in cement kilns in Hanoi. The manual addresses handling, collection, storage, transportation and disposal of waste as well as the process to protect human health and the environment.

At the consultative meeting, forty participants with appropriate technical background commented on the draft environmental procedures to permit the incineration of hazardous waste in cement kilns in Vietnam. Some of the key areas reviewed by the experts included the best available technology and best environmental practice for specific facilities.

Improving Environmental Governance

Presentation to Department of Water Resources Management

The US-AEP case study investigation into the economics of water allocation in the Nhue Day Basin in Northern Vietnam was disseminated at a workshop with the Department of Water Resources Management and other key stakeholders. The case study builds on work completed over the last 12 months in collaboration with the Department to develop processes for sustainable water allocation across different sectors and uses, both consumptive and non-consumptive.

Follow-up Meeting with Department of Water Resources, ADB and the South African Embassy

In follow up to a study tour conducted at the end of the third quarter, the TSSC arranged a meeting with the Asian Development Bank and the South African embassy. The South African Ambassador, Dr. Goitsimolimo Leonard Pitso, was presented a report on the outcome of the exchange. Dr. Nguyen Thai Lai, General Director of the Department of Water Resource management indicated that the exchange was most beneficial, since South Africa focuses on efficient and effective water use for optimum social, environmental and economic benefits. He stated that the two Vice Ministers and acting Chair of a Peoples Committee met privately with the South African Minister for Water Affairs and Forestry, Ms. Buyelwa Patience Sonjica, to discuss the possibility of a bilateral agreement on water resources management between the two countries.

Dr. Lai confirmed that the study tour was very successful and expressed interest in a formal water agreement between Vietnam and South Africa to be signed by the countries' two presidents later

this year in Hanoi. As a precursor to this, the South African Minister for Water Affairs and Forestry is to be invited on a fact finding visit to Vietnam. At the meeting the Ambassador committed to support the procedures to draw-up the bilateral agreement as well as arrange for the Minister to come to Vietnam. A complete copy of the presentations were compiled by the TSSC and provided to participants for their future reference.

River Basin Study Exchange to South Africa

The International Department requested that US-AEP provide support to DANIDA, which is planning a study tour to the Orange River Basin in South Africa from Vietnam in November 2005. The TSSC reviewed the study exchange agenda, recommended experts and sites to visit as well as provided information on logistical arrangements.

Improving Water Management

The TSSC assisted The World Conservation Union (IUCN) Vietnam in developing a brochure on environmental flows in Vietnam. The brochure was distributed at the IUCN booth at the Second South East Asia Water Forum (SEAWF). The SEAWF was held at Nusa Dua, Bali, Indonesia to build a regional commitment toward Integrated Water Resource Management (IWRM) and effective water governance among key stakeholders.

Improving Energy Efficiency

Responsible Care

Since 2003, US-AEP, in collaboration with the Chemical Society of Vietnam (CSV), Ministry of Industry (Moi) and Bayer Thai Company, has supported the adoption of Responsible Care in Vietnam. Activities have included training, workshops and technical input to gain buy-in and commitment from the key ministries and industry to support Responsible Care.

The TSSC participated in a workshop held by the CSV, VinaChem and Ha Bac Industry. The workshop outlined the draft charter and action plan to implement Responsible Care in industry and fulfill the application requirements for Responsible Care Leadership Group (RCLG) membership. The participants were comprised of directors and health and safety officers from industry who pledged their willingness to implement Responsible Care as a voluntary initiative to improve all aspects of health, safety and environmental performance in their processes, products, and workplaces. The TSSC also met with Bayer Thai Company. Bayer Thai Company, together with the German Technical Cooperation (GTZ), is planning to establish a case-study to pilot Responsible Care at the enterprise level. This initiative is in the early planning stages and will likely involve other programs. Key to the case-study is setting up private and public partnerships.

Grants and Short Term Technical Assistance (STTA)

The TSSC administered the closing of 76 active grants and STTAs during this period. The following list details the grants and STTA contracts that will be closed by the end of the contract:

India

GRANT: to All India Institute of Local Self Government (AIILSG) for Water and Energy Efficiency Information/Awareness Campaign. Amount \$5,000.

GRANT: to the Energy and Resources Institute (TERI-1) for Energy Audit and Amendment. Amount \$8,925.

GRANT: to the Energy and Resources Institute (TERI-2) for Eco Housing Phase II. Amount \$15,000.

GRANT: to Ashoka Trust for Research in Ecology and the Environment (ATREE) for developing an environmental curriculum that will address environmental degradation. Amount \$6,653.

GRANT: to Maharashtra Energy Development Agency (MEDA-2) for demonstrating energy saving technology for street lighting and water pumping station in Taluka, Aurangabad. Amount \$8,000.

STTA: to Prasana Shah for assisting India's water and energy efficiency demonstration project. Amount \$5,000.

GRANT: to Development Alternatives (DA) for Global Reporting Initiative (GRI). Amount \$5,500.

GRANT: to Ecotourism & Conservation Society of Sikkim (ECOSS) for Eco Watch. Amount \$8,000.

STTA: to Sneha Palnitkar for improving advanced locality management in Mumbai. Amount \$6,000.

GRANT: to City Managers' Association Gujarat (CMAG-3) to build capacity in Urban Local Bodies. Amount \$16,760.

GRANT: to Maharashtra Energy Development Agency (MEDA-3) for Energy and Water Resource Efficiency. Amount \$12,000.

GRANT: to Centre for Environment Education (CEE) for support of air quality management. Amount \$7,000.

ORG GRANT: to Environmental Systems Products (ESP) for Indian 2 & 3 wheeler Remote Sensing Detection System Adaptation and Demonstration, India. Amount \$25,000.

ORG GRANT: to Hydroqual for Urban Drainage Modeling of the Kathrigure Valley Drainage Area in Bangalore, India. Amount \$25,000.

ORG GRANT: to Capstone for Rural Electrification in West Bengal, India. Amount \$25,000.

STTA: to Srinivas Chary Vedala for assessing cost effectiveness of wastewater technology for Municipal Corporation Visakhapatnam. STTA amount \$4,598.

STTA: to Ajay Singh for Introducing Green Design Concepts to Delhi Metro. STTA amount \$12,250.

STTA: to Ajay Ojha for developing air quality management cell in Pune, India. Amount \$4,400.

STTA: to Lolita Kewalramani for air quality monitoring public outreach. Amount \$2,500.

Indonesia

ORG GRANT: to Aponowich, Driscoll & Associates (ADA) for Re-rating Water Treatment Plant Capacity to Increase Water Output at Little or No Capital Cost. Amount \$24,867.

GRANT: to Yayasan Pendidikan dan Latihan Tirta Dharma (YPTD) for preparing a Certification Program for Operator of Water Enterprises (PDAM) in Indonesia. Amount \$16,710.

GRANT: to Center for Health Research, University of Indonesia (CHR-UI) to measure human exposure to particulate matter (PM) and carbon monoxide (CO) in Jakarta. Amount \$24,342.

GRANT: to Indonesian Society of Sanitary and Environmental Engineers (IATPI) for wastewater treatment operator self-instruction. Amount \$10,000.

GRANT: to Swisscontact for Outreach of Personal Exposure Monitoring (PEM) Project and Management of PEM Equipment. Amount \$12,600.

ORG GRANT: to Dr. Darmadi Goenarso for research on effect of lead paint levels on IQs of primary school children in Bandung, Indonesia. Amount \$19,850.

GRANT: to Center for Health Research, University of Indonesia for conducting a study entitled, "Risk Evaluation on Toxic Substances in Automobile Exhaust." Amount: \$14,615.

STTA: to Scott Fruin for Measuring Exposure to Particulate Matter and Carbon Monoxide. Amount \$2,025.
STTA: to Agus Purnomo to provide policy analysis, communication and information to support decision-making. Amount \$3,007.
STTA: to Eddy Akhirwan, Wawan Wahidiat, and Agus Pudjiarto STTAs for water re-rating activity. Amount \$3,392.
STTA: to Julian Marshall for Measuring Exposure to Particulate Matter and Carbon Monoxide. Amount \$21,715.
STTA: to Dane Wester Dahl for Measuring Exposure to Particulate Matter and Carbon Monoxide. Amount: \$7,222.

Philippines

GRANT: to Solid Waste Management Association of the Philippines (SWAPP) for developing a funding mechanism for solid waste management at the local government level. Amount \$13,730.
STTA: to Maria Paz Luna for developing and drafting reference materials, including issues surrounding implementation of the Clean Water Act for Local Government Units (LGUs). Amount \$3,750.
GRANT: to Institute for the Development of Educational and Ecological Alternatives (IDEAS) to develop US-AEP success stories to be shared at a Lessons Learned Conference. Amount \$15,000.
GRANT: to University of the Philippines Chemical Engineering Alumni Foundation, Inc. (UP Chemical) to assist the Philippine Department of Environment and Natural Resources (DENR) in the development of guidelines on the use of wastes as alternative fuels/raw (AFR) materials in cement kiln co-processing. Amount \$4,920.
GRANT: to University of the Philippines, National Center for Transport Studies, Foundation, Inc. (UPNCTS) for gathering and analyzing data generated from clean air programs. Amount \$4,982.
GRANT: to Philippine Water Partnership (PWP) to assist the National Water Resources Board (NWRB) in the development of a work plan to set up the Pilot Regional Council. Amount \$3,500.
GRANT: to Motorcycle Development Program Participants Association, Inc. (MDPPA) for clean air program of Mandaue City and Calbayog City. Amount \$6,013.
GRANT: to Environmental Practitioners Association (EPA) for the establishment of Emergency Response Teams in support of the Philippine Chemical and Hazardous Wastes Emergency Management Program (CHWEMP). Amount \$15,505.
GRANT: to Tagbalay Foundation for developing a public awareness campaign to maximize the impact of Puerto Princesa's Clean Air Program. Amount \$5,124.
ORG GRANT: to Environmental Broadcast Circle Association (EBC) for public awareness campaign. Amount \$24,995.
STTA: to David L. Llorito to research and write a case study of the Puerto Princesa Clean Air Program. STTA \$2,400.
STTA: to Eden G. Gallardo STTA for preparation of a tool kit on clean air programs for tricycles. Amount \$1,488.
STTA: to 5 consultants for US-AEP Lessons Learned Conference STTA: Amount \$2,420.
STTA: to Rolando V. Cuaño to develop DENR Guidelines and Procedures for Chemical and Hazardous Wastes Management. Amount \$10,000.
STTA: to Elisea Gillera Gozun STTA for supporting NWRB's Regional Water Council in Cebu. Amount \$10,000.
STTA: to Lizette Cardenas to organize conference. Amount \$2,580.
STTA: to Tirso Jesus Parpan STTA to develop reference materials on the Clean Water Act. Amount \$3,528.
STTA: to Assunta C. Cuyegkeng STTA for greening the judiciary. Amount \$3,353.
STTA: to Manuel Camagay to develop a mathematical model for hydrocarbon and carbon monoxide emissions from motorcycles. Amount \$3,014.
STTA: to Manuel Camagay (2) for the clean air program in Calbayog City. Amount \$2,055.

Sri Lanka

GRANT: to Clean Air Sri Lanka for preparing awareness raising materials on vehicle emissions. Amount \$5,000.
GRANT: to Postgraduate Institute of Science, University of Peradeniya to determine the effects of ambient air pollution on the respiratory health of children. Amount \$4,136.

GRANT: to Human & Environment Links Progressive Organization Grant to develop CDs for hospital staff and the general public to explain the waste disposal program. Amount \$3,000.
GRANT: to EcoProtect Engineering (EPE) for erosion control. Amount \$6,878.
GRANT: to Wayamba Integration for Growth & Sustainability (WINGS) to establish at least one technology unit to treat the existing pond / lake water by introducing extended aeration. Amount \$5,000.
ORG GRANT: to Industrial Services Bureau (ISB) for Verification of Environmental Technologies and Processes of Wastewater Treatment for Vehicle Service Stations, Sri Lanka. Amount \$20,900.
GRANT: to Environment Management to Lanka for assistance to Kotte Municipality. Amount \$16,835.
STTAs: to Sumanapala, Palitha Abewardena, W. D. Wimalratne, C. Paranagama, N. Sivahumaran, G.L.A.Nanayakkara for Legal Framework on Waste Management in Sri Lanka. Amount \$2,590.

Thailand

GRANT: to Community Network for Environmental Conservation (CNEC) for promotion of organic farming. Amount \$8,085.
GRANT: to Department of Environmental Science, (DENS) Silpakorn University for Thachin River Water Quality Monitoring Program. Amount \$23,788.
GRANT: to AtKission Inc. for capacity building in the ThaChin Community based environmental management. Amount \$17,782.
ORG Grant: to ICMA for Capacity Building for Khon Kaen, Thailand. Amount \$25,000.
STTA: to Siriwon Janekarn to provide an initial assessment of the Rak Tha Chin Club's financial management capacity. Amount \$1,012.
STTA: to Robert Steele to coordinate community-based public awareness campaign. Amount \$7,500.
STTA: to Dave Nemazie (PO) for analyzing a survey on the current and recent monitoring of Thachin River Basin. STTA amount \$4,500.
PURCHASE ORDER: Adam Smith to develop Web site. Amount \$5,000.

Vietnam

GRANT: to Chemical Society of Vietnam (CSV) for Responsible Care (RC) Program. Amount \$6,000.
GRANT: to Center for Consultation on Environmental Technology (CCET) for developing environmental procedures to permit the incineration of hazardous waste in cement kilns. Amount \$7,500.
GRANT: to Ecology and Environment Institute Grant (EEI-2) for a study to identify and estimate the demand for water in different sectors. Amount \$8,750.
ORG GRANT: to Affinity Consultants for Supporting Vietnam Government and Electricity Corporation to develop Plan for Proper Management of PCBs. Amount \$25,000.
GRANT: to Vietnam Environmental Technology and Consulting Joint Stock Company (VENETCO) for support to PCB Management Plan. Amount \$25,000.
GRANT: to Ecology and Environment Institute (EEI) for supporting the development of a decision making process to determine allowable levels of water. Amount \$13,500. GRANT: to Technical and Scientific Consultant and Service Centre (TSC) for developing Euro Standards for Vehicles and Fuel. Amount \$25,000.
STTA: to Sandrine Dixson-Declève for Cleaner Vehicles and Fuels Project. Amount \$13,390.
STTA: to Bruce Fitzgerald for conducting national-level water demand analysis, assessing environmental requirements for rivers and groundwater systems, and undertaking risk analysis in water allocation decision-making. Amount \$24,675.

Communications

US-AEP Website Updates

The following updates were made to the US-AEP Website this Quarter:

- New USAID Regional Environmental Program to Build on US-AEP Accomplishments
- Asian Environmental Compliance and Enforcement Forum: Sharing International Experience in Compliance and Enforcement

- Regional Assessment Survey and Workshop on Full Cost Recovery for Water Utilities in Southeast Asia: Sharing International Experiences and Best Practices
- Fuel Quality Best Practice: Application to Vietnam's Fuel Quality Strategy
- Close-out Notice
- Removal of the contact names, phone numbers and email addressees from the "Contacts" page
- Deletion of contacts for the "Resources for Media" page

NOTE: Approval has been given to change all language on the US-AEP website to the past tense where appropriate from October 1 to December 15, 2005.

Program Communications

The TSSC develop the following issues of At a Glance to keep US-AEP program partners informed of US-AEP activities:

- At a Glance: Partner Program Updates - Issues 14 & 15. These issues reported on 34 events.
- At a Glance: Partner Program Updates - Issues 16 & 17. These issues reported on 34 events.
- At a Glance: Partner Program Updates - Issues 18 & 19. These issues reported on 30 events.

The TSSC also supplied weekly information on US-AEP activities for inclusion in RDM/A's Bangkok Briefer.

Transition Communications

An information sheet about the new program and format letters announcing US-AEP's closure were distributed to Country Managers for them to send to stakeholders. Thailand requested and received a stakeholder database to facilitate distribution of the above materials.

Environmental Leadership Award and Recognition certificates were designed and distributed for review by Country Managers; they have been requested to forward names of organizations or individuals meriting certificates. A current total of 178 Environmental Leadership Awards and Recognition Certificates were produced for distribution in India and Thailand - bringing the total distributed to 227. Sri Lanka and the Philippines are expected to request an addition 100.

USAID Telling Our Story Initiative

The following stories were developed and submitted to USAID's "Telling Our Story Initiative during the last quarter of 2005:

INDIA

[A City Finds a Windfall in Efficiency](#) (published October 2005)

INDONESIA

[Getting the Lead Out](#) (published September 2005)

THE PHILIPPINES

[Greater Savings, Cleaner Air](#) (published September 2005)

THAILAND

[Renewable Energy Boosts Economy](#) (published July 2005)

[Changing the Political Culture](#) (published July 2005)

VIETNAM

[Woman with No Time to Waste](#) (published July 2005)

[Eco-Tourism Reaps Benefits](#) (published October 2005)

SRI LANKA

[Generating Biogas from Wastewater](#) (published October 2005)

Graphic & Web Design Services and Print Production

The TSSC oversaw design and layout, as well as production, for the following products:

- Two hundred copies of the report "FUEL QUALITY BEST PRACTICE: APPLICATION TO VIETNAM'S FUEL QUALITY STRATEGY" were printed and delivered to Vietnam.
- 2500 copies of 10 fact sheets were printed, delivered and distributed to delegates attending a Lessons Learned conference in the Philippines.
- Forty copies of a report, entitled "Sustainable Management of River Flows," were produced for distribution in Vietnam, Thailand and Indonesia.
- An exhibit booth was produced for the Philippines.

Regional Operations Support

TSSC completed on-going tasks, including: assembling, editing and writing the TSSC monthly and quarterly reports; tracking TSSC-related travel; maintaining a trip report inventory; and developing an online TSSC Library. TSSC communications staff provided regular monitoring and maintenance of the US-AEP Thailand network infrastructure, assistance with computer issues of the other TSSC Country Offices, updating of the US-AEP Contact Directory and providing in-house technological support to STTA hires.

For other, regional oriented activities please refer to the section entitled "Regional Activities" found on page 6 of this document.

Reporting and Program Results

In the latter part of this Quarter, the TSSC initiated the compilation of data for the Performance Management Plan that will be used to complete the US-AEP/USAID Annual Report. Data collection was started in September to ensure that submissions from US-AEP Partners would be gathered before individual partner contracts would come to a close. Extensions were provided to various Country Managers and US-AEP Partners depending on their availability after September 30, 2005.