

# Technical Support Services Contract

US AID Contract EEE-C-00-01-00020-00

3<sup>rd</sup> Quarterly Report FY2005  
April 1, 2005 - June 30, 2005



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## TABLE OF CONTENTS

PREFACE .....	3
EXECUTIVE SUMMARY .....	4
Regional Activities .....	4
Improved Air Quality.....	4
Improved Water Quality, Supply and Sanitation .....	4
Improved Waste Management .....	5
Improvements in Energy and Industry .....	5
Improved Environmental Governance.....	5
Regional Activities .....	7
Lessons Learned .....	7
Success Story Development.....	7
Parkson Equipment Donation.....	7
ASEAN Sustainable Cities Conference .....	8
India .....	9
Improving Water Quality .....	9
Improving Energy Efficiency.....	9
Administration .....	9
Indonesia .....	10
Improving Air Quality .....	10
Improving Water Quality .....	11
Improving Energy Efficiency.....	12
Administration .....	12
Philippines.....	13
Improving Air Quality.....	13
Improving Waste Management .....	14
Improving Environmental Governance .....	15
SRI LANKA .....	17
Improving Air Quality.....	17
Improving Environmental Governance .....	17
Administration.....	18
Thailand .....	19
Improving Environmental Governance .....	19
Improving Energy Efficiency.....	20
Vietnam.....	21
Improving Air Quality.....	21
Improving Waste Management .....	21
Improving Environmental Governance .....	22
Improving Industrial & Energy.....	22
Operational Support .....	23
Grants and Short Term Technical Assistance (STTA) .....	23
Communications.....	24
Regional Operations Support .....	26
Reporting and Program Results .....	26
Invoices & Budgeting .....	27

## PREFACE

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 (CPCs) as well as US-AEP / USAID 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.

## EXECUTIVE SUMMARY

TSSC activities in the third quarter centered around setting schedules to complete all outstanding activities in the FY 2005 work plans before the US-AEP program ends in September 2005. In tandem with this initiative, many of the country programs have been looking at their budget status and looking for the most effective ways to utilize grant mechanisms and other monetary vehicles to complete program initiatives and to also look for ways to create or sustain partnerships that will persist into the new USAID program, the Asia Regional Environmental Program (AREP), which will proceed upon the completion of the US-AEP program.

TSSC staff has been actively involved in providing coordination support, technical guidance, and many other levels of support to many of the country programs. Following are highlights of activities that have occurred this quarter.

### Regional Activities

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TSSC regional activities this quarter focused on the US-AEP Lessons Learned report to be produced as part of program close-out. While several activities related to capturing and reporting on lessons learned have been temporarily put on hold, it is expected that this work will start up again with vigor in the next quarter.

Several success stories were compiled and submitting to the USAID "Telling Our Story" initiative during the quarter and several stories were published on the "Telling Our Story" Web page.

TSSC also compiled information on progress in implementing country work plan activity, as well as information on budget status for inclusion in the Mid-Year Report, submitted to RDM/A in May.

### Improved Air Quality

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Activities in this quarter centered primarily around projects focused on improving air quality in the South East Asia region.

In Indonesia, TSSC participated in activities relating to the phase-out of leaded gasoline for better air quality and public health and the monitoring of exposure to particulate matter and carbon monoxide.

In the Philippines, TSSC worked intensively on a clean air program that involved the 2nd and 3rd Local Government Units and a program that focused on air quality improvements through the preventative maintenance of three-wheelers. In addition, public awareness regarding the health effects of air pollution was raised through TSSC assistance with several media campaigns.

In Sri Lanka, TSSC has been involved in a noise mapping project in Dehiwala-Mount Lavinia Municipal Council Area that serves to help monitor another form of air pollution - noise pollution.

In Vietnam, TSSC has been very active in helping to produce the Air Quality Management Compendium with CAI Asia and conducting workshops to investigate introduction of Euro standards for new vehicles and fuel and the monitoring of vehicular air pollution in Hanoi City.

### Improved Water Quality, Supply and Sanitation

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TSSC helped to implement many water activities in Indonesia in this quarter; however, other water-related activities are more properly discussed in terms of promoting environmental governance and will be mentioned under those sections of this document.

In India, TSSC assisted in the development of the Change Management Forum, which is committed to the promotion of institutional and organizational development of the urban water and sanitation

sector in India. It is hoped that this activity will create partnerships that will continue into the US-AEP follow-on program, Asia Regional Environmental Program (AREP), to begin in FY 2006.

In Indonesia, TSSC assisted in the establishment of the Lead Information Center (LIC), implementation of workshops that will assist in upgrading the skills required for effective and sustainable water utility operations, development of a self-instruction training package for wastewater treatment plant operators and development of a project to re-rate water treatment plant capacities, thereby increasing water output.

### **Improved Waste Management**

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TSSC staff in the Philippines and Vietnam were involved in projects that are focused on improving waste management practices.

In the Philippines, TSSC provided technical guidance on a project that seeks to establish guidelines on the use of wastes as alternative fuels and raw materials in cement manufacturing and helped to create the Chemical and Hazardous Wastes Emergency Response Program (CHWEMP).

In Vietnam, TSSC organized and implemented workshops to aid selected industries in the proper disposal of Polychlorinated Biphenyls and Persistent Organic Pollutants.

### **Improvements in Energy and Industry**

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In the area of energy efficiency, TSSC staff in India, Indonesia, Thailand, and Vietnam provided assistance to US-AEP country programs through a variety of activities.

In India, TSSC staff contributed to the development of The Green Business Center, which seeks to promote the auditing and marketing of green buildings, water conservation, and renewable energy among other goals.

In Indonesia, along with the Alliance to Save Energy, TSSC provided support to the Watergy program, which is helping urban water and sanitation facilities to improve delivery of services.

In Thailand, TSSC helped a team of experts from the State of Oregon to share their knowledge on residential energy efficiency and business tax credit systems with the government of Thailand.

In Vietnam, TSSC staff collaborated with the Chemical Society of Vietnam (CSV) and Bayer Thai Co., to continue to support Responsible Care initiatives through workshops.

### **Improved Environmental Governance**

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Many US-AEP activities supported improvement of environmental governance. TSSC has been heavily involved in providing coordination and technical expertise for many of these projects. Following are highlights of projects that have been supported through TSSC efforts.

In the Philippines, TSSC staff has been actively involved in the development of a regional water council for the Cebu area. In addition, TSSC provided technical guidance in drafting Implementing Rules and Regulations for the Clean Water Act, assisted the Philippine Judicial Academy (PHILJA) in the creation of interactive environmental training modules for judges and provided support for the Sustainable Financing Mechanism Roundtable Sharing Session with the Provincial Solid Waste Management Board of Negros Oriental.

In Sri Lanka, TSSC staff lent coordination support to the Environmental Alliance Project, a project organized by the US Embassy, USAID, the American Chamber of Commerce, the Federation of Chambers of Commerce and Industries of Sri Lanka and the Tourism Cluster to enhance environmental management practices in Sri Lanka through the transfer of best management practices and environmental technology. In addition, TSSC provided coordination and logistical support to the Western Province Waste Management Authority of Sri Lanka in the organization of workshops to strengthen the legal framework for waste management in the province.

In Thailand, TSSC staff was actively involved in a project to enhance community-based environmental management in the Thachin River Basin, including continuation of a water quality monitoring program and providing support for an important USAID-funded governance study tour to Washington, DC. Additionally, TSSC staff continued to help conclude the CityLinks Partnership, developed to enhance Municipal Environmental Management through public participation mechanisms.

In Vietnam, TSSC staff collaborated with the Department of Water Resources in the hosting of a workshop in Tam Dao on sustainable management of river flows and water extractions in Vietnam that focused on the need to balance the demands for water used by individuals, communities, and industries.

## REGIONAL ACTIVITIES

### Lessons Learned

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The Regional Lessons Learned Activity continued through April in accordance with the work plan developed in January 2005.

Interviews were conducted in Vietnam with local representatives of five partner organizations: Vietnam Register, Fauna and Flora International, Electricity of Vietnam, the Center for Environmental Engineering of Towns and Industrial Areas, and the Centre for Environmental and Chemical Engineering. At the same time, information and material were collected for potential use in development of success stories. A telephone interview with the Vietnam Country Program Manager provided additional information for the development of lessons learned.

In India, a questionnaire was used to facilitate interviews with local partners, primarily through the Southern Office.

The Regional Lessons Learned Activity was suspended in May at the request of the USAID CTO for US-AEP. This was due to concerns that the activity could be perceived as providing a competitive advantage to TSSC while the new USAID RDM/A Asia Regional Environmental Program (AREP) solicitation was being competed.

TSSC anticipates that the Regional Lessons Learned Activity will be resumed at a later date.

### Success Story Development

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During the second quarter, four success stories were approved and submitted to USAID's Telling Our Story initiative. These were:

- India: Indian City Finds Gold in Energy Efficiency Measures (submitted June 2005)
- Sri Lanka: Innovative Project Generates Biogas from Wastewater (submitted June 2005);
- 100 Days to Cleaner Air (submitted April 2005); Energy Efficiency Project Improves Water Supply to 480,000 (submitted May 2005)
- Thailand: Partnership with U.S. City Helps Thai Mayor "Change the Political Culture" (submitted June 2005)

Three stories were published on the USAID Telling Our Story Web page:

- Sri Lanka: 100 Days to Cleaner Air (published May 2005)
- Sri Lanka: Turning Waste into Profits and Jobs (published May 2005)
- Vietnam: Cleaner Vehicles, Cleaner Air (published May 2005)

As part of the development of the success stories, the US-AEP Regional Manager traveled to Khon Kaen, Thailand in April to interview the Mayor of the city, who has been a dynamic partner in the US-AEP CityLinks program. Also interviewed were local citizens and representatives of several hotels currently involved with the city in a participatory process to develop a new wastewater fee regulation. A combination Town Hall/Open House meeting the same day illustrated the ways in which the Mayor and his team have put into action the recommendations of city managers from Portland, Oregon, the sister city in the program. The information gathered was written up and submitted to USAID's Telling Our Story initiative as the story "Partnership with U.S. City Helps Thai Mayor 'Change the Political Culture'."

### Parkson Equipment Donation

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TSSC continued to provide logistics support for the donation of a water treatment unit to a tsunami affected community in Phang Nga Province. Efforts included finalizing arrangements for a Peace

Corps volunteer to assist with delivery and installation, as well as coordinating with NGO Heart to Heart and the Foreign Commercial Service to finalize shipping arrangements.

#### **ASEAN Sustainable Cities Conference**

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TSSC began work to mobilize US-AEP support for an ASEAN Sustainable Cities conference scheduled for July in Jakarta. Efforts included identifying potential US experts on sustainable cities indicators who could provide expert technical advice and facilitate workshop breakout sessions.

TSSC Country Coordinator Anand Palkar was on hiatus from the US-AEP program for several months. He has returned to the program and is continuing to work from Pune.

### Improving Water Quality

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#### *Change Management Forum*

TSSC, together with Joseph Ravikumar, the US-AEP Director of the Southern Region, met with the Area Chairman and senior faculty at the Administrative Staff College of India (ASCI) to explore a potential association to address full cost recovery for urban local bodies and collaboration with the State Level Task Force for Andhra Pradesh. Pilot studies could focus on the cities of Hyderabad and Vishakhapatnam. This work may form the basis of a future STTA contract.

ASCI has been instrumental in implementing the Change Management Forum, a partnership initiative between the Ministry of Urban Development and Poverty Alleviation, the Government of India, ASCI, the Department for International Development (UK) and other local partners from the United Kingdom committed to the promotion of institutional and organizational development of the urban water and sanitation sector in India.

### Improving Energy Efficiency

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#### *The Green Business Center (GBC)*

TSSC, together with Joseph Ravikumar, the US-AEP Director of the Southern Region, met with S. Raghupathy, the Senior Director and Head of the Green Business Center, K. S. Venkatgiri, Senior Counselor and S. Vinayagam, Counselor, to discuss development of a partnership among US-AEP/USAID, CII, Government of Andhra Pradesh, the Pirojsha Godrej Foundation and Andhra Pradesh Urban Services for Poor to focus on water conservation issues.

The Green Business Center promotes the auditing and marketing of green buildings, water conservation, renewable energy, incubation support to promising green technologies and ISO certification.

### Administration

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TSSC provided short-term technical assistance and guidance in the development of grant proposals, in particular:

- Grant proposal by Maharashtra Energy Development Agency (MEDA) for reducing the energy consumption of urban local bodies through adoption of energy efficiency as a tool;
- Grant proposal by the City Managers' Association Gujarat (CMAG) for the collation of model tender documents for procurement of solid waste management equipment and services.

## Improving Air Quality

### *Widening Leaded Gasoline Phase-Out for Better Air Quality and Public Health*

TSSC provided support and guidance to Dr. Darmadi Goenarso, recipient of the Quick Response Grant for blood level testing of school children in Bandung. Early in the quarter, TSSC and the US-AEP Country Manager met with Ahmad Safrudin, Director of the Joint Committee for Leaded Gasoline Phase-Out (KPBB) and the Lead Information Center (LIC), and Puji Lestari from the Institute of Technology Bandung (ITB) to discuss coordination of the separate but complementary studies being conducted by Puji Lestari and Dr. Goenarso. Puji Lestari agreed to provide a list of schools confirmed to participate in her study and expressed interest in collaborating with Dr. Goenarso to launch blood lead level/IQ testing activities for the Mayor of Bandung as part of public outreach. Puji Lestari will submit progress updates to the LIC who in turn will facilitate coordination of the work.

TSSC's Country Coordinator and KPBB Director Ahmad Safrudin subsequently met twice with Dr. Goenarso and Puji Lestari to review progress and facilitate coordination between the two during implementation of their respective activities, to provide guidance in the development of research plans, and to ensure that public laboratories used by Dr. Goenarso in his research have proper QA/QC procedures and certification. (Laboratories include the Department of Health Laboratory to analyze blood lead concentration and the Department of Public Works Laboratory to measure ambient air levels. In the event that certifications are not available, Dr. Goenarso was asked to provide a strict supervision protocol to ensure that proper QA/QC procedures are followed. In a follow-up meeting on June 20, attended by Ahmad Safrudin and the Goenarso team, TSSC provided additional guidance to Dr. Goenarso regarding development of a research plan, noting that the plan would be subject to review by the general public since it is a crucial element for study implementation.

TSSC also met with staff from the public laboratories and attended their presentation on analysis of blood and ambient air samples.

### *Health Risk Monitoring - Exposure to Particulate Matter and Carbon Monoxide*

TSSC provided support and guidance for the personal monitoring exposure (PEM) project. On April 1st, TSSC facilitated a wrap-up meeting attended by STTA consultants Dane Westerdahl, an air quality monitoring specialist from UCLA, and Julian Marshall, a vehicle emission/health impact expert from UC Berkeley; two representatives from the University of Indonesia (UI); and two representatives from Swisscontact. The meeting reviewed project activities over the previous two weeks, including training UI students in the use of air quality monitoring equipment and the grand launch of the project with the Governor of Jakarta, as well as upcoming activities such as development of a practical checklist and field user guide for equipment usage/maintenance and monitoring target subjects; the additional training and pilot activity needed to develop trainees' skills; and preparation of a documentary to record the training procedures.

Later in the quarter, TSSC coordinated with the University of Indonesia (UI) on ways the two STTA consultants under the PEM project could provide additional value to the ongoing UI study. TSSC provided logistical support for the US experts and arranged for additional study tasks with Swisscontact and the Ministry of Environment.

TSSC also designed meetings between the main partners in this activity to determine possible locations for analyzing particulate matter and carbon monoxide.

## Improving Water Quality

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### *Lead Information Center (LIC), operated by the Joint Committee for Lead Phase-Out (KPBB)*

TSSC and the US-AEP Country Manager attended a soft launch of the USAEP-sponsored LIC on April 20<sup>th</sup>, 2005. Approximately 40 people - environmental lawyers, researchers and NGO representatives - attended the event to meet LIC staff, survey the Center's resources and library, and watch a short documentary on the hazards of lead.

The formal launching of the Lead Information Center, involving high-ranking government officials and the media, took place on May 29<sup>th</sup>.

TSSC also participated in coordination meetings for World Environment Day activities on June 5, 2005, which celebrated the declaration of one year of lead-free gasoline in Indonesia and the official launching of the US-AEP supported Lead Information Center (LIC). Those participating in the planning included representatives from the Ministry of Environment, NGOs working on clean air issues, LIC staff and local government agencies (police, sanitation, traffic control, etc.).

In addition, TSSC worked closely with LIC staff to identify candidates and obtain the required visa documents for the "Mothers Against Lead" study tour to the US, scheduled for July 13-24, 2005. Participants in the study tour, which will focus on community outreach, will assist with the preparation and design of the National Women/Mothers' Forum against Lead in August 2005.

### *Upgrading Skills in Water Utility Operations*

TSSC provided guidance in the preparation of several TSSC and The Asia Foundation (TAF) grant proposals from:

- PERPAMSI (Indonesian Water Supply Enterprises) on the refinement and implementation of training modules on strengthening water enterprise relations with stakeholders (government, legislators and consumers);
- YPTD (Training and Education Foundation of PERPAMSI) on the certification and training for water treatment operators based on competency;
- IATPI (Indonesian Society of Sanitary and Environmental Engineers) on the self-/distance learning of wastewater treatment operators;
- FORKAMI (Indonesian Communication Forum on Drinking Water Quality Management) on public campaign activities involving schoolchildren and communities to test and monitor river water;

### *Competence-Based Certification Program for Operators of Water Enterprises):*

TSSC met with YPTD to review the program's progress and discuss its first deliverable, consisting of a revised work plan, a schedule of visits to six water enterprises (PDAM), and draft questionnaires for distribution and discussion with operators during visits.

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

TSSC received and reviewed the first deliverables from IATPI: an evaluation report of IATPI's existing training and certification program and a concept paper to develop a self-learning package for wastewater treatment plant operators. IATPI is working with the Ministry of Environment and the West Java provincial government to establish a mandatory competency-based certification program for all operators; training is required as part of the certification process. IATPI provides training services, but its capacity is limited and thus will benefit from the self-instruction training package by providing educational resources to operators located outside of training centers in Jakarta.

### ***Re-rating Water Treatment Plant Capacity to Increase Water Output***

STTA contracts for the re-rating team (Lead Trainer, Assistant Trainer and PERPAMSI Activity Coordinator) were agreed upon and signed. TSSC met with the team twice in Bandung in order to develop a work plan, finalize the contract terms and conditions, define clear roles and responsibilities, and develop a working schedule. At the same time, the Indonesia Country Program Coordinator (CPC) communicated with technical expert Terry Driscoll to coordinate his availability. The CPC and Activity Coordinator arranged to obtain data (design specifications and water quality measurements) from the two treatment plants designated for re-rating (PDAM Kota Padang and PDAM Kota Denpasar). According to preliminary data analysis, the team needed to acquire more information and thus additional days to collect data were incorporated to the schedule as follows:

- Additional data collection: Padang (June 29-July 1) and Denpasar (week of July 11)
- Preparation for TOT: July 11-15
- TOT in Bandung: July 19-22
- Preparation for re-rating analysis and training: Aug 22-Sept 10
- Re-rating analysis and training: Padang (Sept 12-17) and Denpasar (Sept 19-24)
- Final reporting: Sept 30

From June 29 to July 1, the CPC and the re-rating team visited Padang to meet with the new Director at PDAM Kota Padang, introduce the re-rating program, confirm demand, and obtain additional data (as-built drawings, pump specifications, piping systems, layout of treatment facility, and treated water production and distribution systems). The visit also provided an overall understanding of the existing treatment plant operation and helped to identify additional topics during the re-rating training in September, such as pump curve preparations.

### **Improving Energy Efficiency**

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#### ***Improved energy governance and efficiency***

TSSC facilitated a meeting between Felicia Ruiz from Alliance to Save Energy (ASE) and the recently launched USAID-Environmental Services Program (ESP). The intent was to link ASE's Watergy program with the ESP approach, which is helping urban water and sanitation facilities to provide better delivery of services. The Watergy program appears to be a good fit since it focuses on energy savings and thus cost savings in the supply side (water enterprises) and also works with the demand side to introduce energy/water conservation measures. ASE and ESP will follow-up on looking into alternative funding mechanisms to see whether the Watergy program can be integrated.

### **Administration**

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TSSC's CPC attended a National Seminar presented by the Partnership for Clean Emissions to commemorate Earth Day on April 28, 2005. The Seminar engaged discussions facilitated by the Jakarta Environmental Management Agency on the recently adopted Jakarta Clean Air Act and highlighted dissemination of information about the results of a US-AEP-sponsored study by the University of Indonesia on children's blood lead levels. In parallel with the Seminar, the Partnership also launched its public education campaign by involving youths and schoolchildren from Jakarta and five other cities across the country in writing and poster-making contests on clean air subjects. As part of the campaign, the first Youth Clean Air Club in Indonesia was established to gain further interest in and raise greater awareness of the need for improved air quality management among students and youths. Nearly 150 participants, including local and national government officials, celebrities, students, NGOs, academia and the media, attended the event.

TSSC also attended a multi-city urban sanitation workshop sponsored by USAID in Surabaya from June 21-23, 2005 to observe ESP's approach toward urban sanitation, meet sector practitioners, visit sites where community-based small-scale systems have been installed and are in operation, and look into the sanitation mapping initiative by the Bremen Overseas Research and Development Association (BORDA), a German NGO working in the sanitation sector in Indonesia.

## Improving Air Quality

### *Clean Air Program for 2nd and 3rd Local Government Units*

As a follow-on activity to the exchange tour organized in March 2005 for key officials of Mandaue and Calbayog Cities, Mandaue City launched its Clean Air Management Program (CAMP) on April 27-29, identifying the key elements of the program through a 2-day consultation with stakeholders. The TSSC CPC (CPC) invited San Fernando City Mayor Mary Jane Ortega, Puerto Princesa City Planning Officer Jovenee Sagun and Calbayog City Environment Officer Jose Raz to share insights on the development and implementation of their respective Clean Air Programs during the launch and the workshop proper. The TSSC CPC also acted as one of the workshop facilitators and presented on the Clean Air Act and health effects of hydrocarbon and carbon monoxide emissions.

The TSSC CPC met with Quezon City (QC) 3rd district Councilor Dante De Guzman and a QC Legal Officer to discuss the councilor's plan to develop a clean air program. Having addressed environmental issues on solid waste management, Quezon City has yet to develop a program addressing air pollution. The CPC briefed him on the assistance that US-AEP has provided in the development and implementation of the Puerto Princesa Clean Air Program and mentioned to Councilor De Guzman that USAID's Energy and Clean Air Program (ECAP) is scoping work in potential partner-cities to implement similar programs. The councilor is very interested in possible collaborative work with USAID, ECAP and US-AEP.

The TSSC also continued its coordination with Mandaue City and the League of Cities of the Philippines for updates on the establishment of the Mandaue City Clean Air Management Program (MC CAMP) Core Group. During the stakeholders consultation held the last week of April, participants suggested that a group be established to oversee development of each component of the program. In addition, TSSC has been communicating with Calbayog City about the conduct of a stakeholders' consultative workshop to identify the over-all objectives and strategic plan to develop the city's clean air program.

Several meetings were held with the city officials of Calbayog to plan for the launching activities of the city's Clean Air Program. TSSC also developed the design for the strategic planning workshop to craft the program's practical vision, formulate strategic direction, and plan the implementing activities to be undertaken by the city.

### *Clean Air Program for Tricycles*

With support from TSSC, the Motorcycle Developers Program Participants Association (MDPPA) conducted the 2nd module of the four-part workshop on tricycle preventive maintenance. As a continuation of the first module held in February 2005, the participants carried out maintenance activities while being observed by certified mechanics. Tricycle drivers and operators are now more familiar with the steps involved and schedule of maintenance to ensure minimal hydrocarbon and carbon monoxide emissions.

TSSC met with Tagbalay Foundation Executive Director Christine Dador to discuss project progress, upcoming activities and deliverables relating to the Foundation's US-AEP-funded project to develop a public awareness campaign to maximize the impact of Puerto Princesa's Clean Air Program. During the month of April, the Foundation was able to formulate a mechanism for the tricycle hotline system, conduct a speakers' bureau training program and select 6 youth leaders from the 26 trainees as advocates and campaigners. They were also able to outline the proposed contents of the module on "Clean Air and Better Health" that will be incorporated into the science curriculum at the elementary and high school levels.

TSSC staff represented US-AEP at the launching of the Puerto Princesa City Tricycle Hotline "Bantay Buga" (Guard the Emissions) established by the Tagbalay Foundation with US-AEP assistance. During the launch activity, more than 100 tricycle units with posters and banners showing the hotline

numbers joined the motorcade around the city. Guests from the Tricycle Operators and Drivers Associations, government officials, school teachers, and representatives from the business, local government and youth sectors joined the festivities afterwards. The hotline aims to encourage public participation in the city's Clean Air Program by providing a mechanism that can be used by the public to register their complaints about polluting tricycles and other motor vehicles. The hotline also entertains complaints related to cigarette smoking in unauthorized places.

### ***Public Awareness on the Health Effects of Air Pollution***

TSSC met with Beth Roxas of the Environmental Broadcasters Circle Association (EBCA) regarding the selection of the pilot site for their public awareness campaign activities and how to fast-track the work. The TSSC CPC conducted another meeting to discuss alternative sites for pilot testing the campaign materials, considering transportation costs, versioning costs and speed of mobilizing the local media network. After several deliberations it was decided that Lucena City would be the pilot test site for the information and education campaign (IEC) materials and public awareness campaign strategies.

TSSC discussed with Beth Roxas of the EBCA the results of EBCA's Palawan trip and the just-completed initial survey on Lucena City. Lucena City is the pilot area for the testing of their IEC materials and strategies on improving air quality. The EBCA has submitted a preliminary report entitled "A Background Report on Vehicle Emissions as a Major Source of Air Pollution" that contains a section documenting the Puerto Princesa experience in abating the pollution caused by tricycles.

The ABCA has completed its data gathering and baseline research, the pre-campaign survey and the set of tri-media campaign materials that it will place and test in the following weeks. TSSC is reviewing the progress report submitted by EBCA to facilitate the release of the next payment.

### ***Teachers' Module on Air Pollution - AIRTIME***

Tagbalay Foundation, Inc., as part of its activities under the TSSC grant, organized a Science Teachers' Seminar Workshop (AIR TIME - Alliance of Involved and Responsible Teachers' Integrating Module for Environmental Education) to facilitate the inclusion of air management issues into the science curriculum of elementary and high schools. The workshop served as a forum to discuss air pollution, its effects on health, air quality management, and the City's CAP activities (maintenance, ordinances, and so on). About 50-60 educators from all elementary and secondary schools in Puerto Princesa City actively participated in the event.

## **Improving Waste Management**

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### ***Cement Kiln Co-Processing Guidelines***

TSSC joined the 5-member delegation from the Philippines to attend the Vietnam Training on the Implementation of the Stockholm Convention and Best Management Practices vis-à-vis Cement Kiln Co-Processing. Upon return from the trip, a follow-on meeting was convened by TSSC to discuss succeeding activities and plan for the re-echoing of the lessons learned during the workshop. The delegates agreed to provide insights and recommendations to the Technical Working Group (TWG) established for the drafting of the guidelines on the use of wastes as alternative fuels and raw materials in cement manufacturing.

TSSC participated in the Cement Kiln Co-Processing Guidelines Regional Consultation and continued to coordinate with the Technical Consultant to assist the Department of Environment and Natural Resources - Environmental Management Bureau (DENR-EMB) in the development of guidelines and identification of implementation and capacity-building strategies. TSSC is currently providing technical assistance in the design of the technical workshop, which is being organized in collaboration with the University of the Philippines Chemical Engineering Alumni Foundation Inc. (ChEAFI), the German development organization GTZ, and US-AEP to build the capacity of DENR-EMB personnel with regard to cement kiln co-processing issues/concerns and best management practices that they can adopt in the development of the guidelines.

### ***Chemical and Hazardous Wastes Emergency Response Program (CHWEMP)***

TSSC continues to collaborate with the Bureau of Fire Protection (BFP), National Defense College of the Philippines and Environmental Management Bureau to develop the First Responders Awareness Level Training Program. TSSC has assisted and provided technical and logistical support in the development of the course, which is specifically geared toward firemen responding to all incidents relating to chemicals and hazardous materials. The course is designed to provide designated first responders with initial training on Chemical and Hazardous Wastes Incidents and Accidents. The BFP invited TSSC Hazardous Waste expert Ninette Rodriguez to be one of the resource speakers on hazardous materials recognition and identification. One hundred-eighty participants from the BFP and others from the Philippine National Police attended the training.

The TSSC has also introduced the technical consultant Dr. Rolando Cuano to TWG members and various government officials. TSSC has also coordinated and provided assistance to Dr. Cuano during the conduct of initial policy review and assessment to determine existing laws and mandates to establish the CHWEMP. As part of the activities, TSSC attended the briefing of the Department of Interior and Local Government (DILG) and its attached bureaus and agencies on Philippine Disaster Risk Management System to the United Nations Disaster Assessment and Coordination (UNDAC) team, a stand-by team of disaster management professionals who are nominated and funded by member governments, OCHA, UNDP and operational humanitarian United Nations agencies such as the World Food Programme (WFP), UNICEF, and the World Health Organization (WHO).

TSSC also attended a 5-day workshop on Chemical Incident and Chemical Disaster Preparedness for First Responders and Health Care Providers organized by the Department of Health with support from the Organization for the Prohibition of Chemical Weapons (OPCW) and the WHO. CHWEMP TWG members also participated in the workshop together with representatives from different government agencies, industry associations and non-governmental organizations. The workshop served as a venue to enhance the capacity of first responders from the fire, police, and medical sectors, and to promote networking among the different stakeholders and harmonization of activities in disaster risk management.

### **Improving Environmental Governance**

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#### ***Regional Water Council in Cebu***

During this period, TSSC met with Executive Director Dondi Alikpala of the National Water Resources Board (NWRB), former DENR Secretary Elisea Gozun and Dr. L. Liongson of the Philippine Water Partnership (PWP) to discuss the scope of work for an STTA assignment focused on creation of the Regional Water Council in Cebu and the preparation of the PWP grant proposal. Upon advice that her STTA contract had been approved, Secretary Gozun initiated preparatory activities for consultations in the region. Subsequently, TSSC met with Director Alikpala regarding the PWP grant proposal, and with Ms. E. Dominguez, to whom Director Alikpala had assigned the task of preparing the proposal. In early May, Ms. Dominguez presented the first draft of the proposal to NWRB, PWP, Secretary Gozun and TSSC.

TSSC worked with NWRB Executive Director Alikpala and his associate to complete the PWP grant proposal, which aims to assist the NWRB in setting up an NWRB Regional Council in Region 7. In the same period, STTA consultant Ms. Elisea Gozun met in Cebu City with local officials, both provincial and regional, to prepare for the conduct of provincial and regional consultations. These will to be synchronized with the conduct of Provincial Development Council (PDC) meetings so as to facilitate participation by PDC members.

On June 16-17, 2005, various stakeholders in the Province of Cebu came together for dialogue and consultation on the proposed Integrated Water Resources Management (IWRM) Council. There was consensus on the need for provincial, municipal and city IWRM Councils and the need to clarify, via the proposed Councils, certain legal issues regarding the regulatory role of the Local Water Utilities Administration and the National Water Resources Board.

On June 22-23, 2005, local government units and other stakeholders of the province of Siquijor met for a roundtable discussion on the proposed IWRM Council for the province. TSSC's Technical Advisor (and former DENR Secretary) Elisea Gozun and NWRB Executive Director Ramon Alikpala

facilitated the discussions. As in Cebu, there was consensus on the need for a provincial-level IWRM Council, with each municipality eventually setting up similar councils, down to the barangay level. Participants also underscored the need to address the lack of water in two of the sixteen municipalities of the province.

### ***Implementing Rules and Regulations for the Clean Water Act (CWA)***

Attorney Maria Paz Luna submitted a detailed outline of the CWA primer for comment. TSSC met with Ms. Luna and her associate to discuss the contents of the primer on the Clean Water Act and to review alternative formats and lay-outs. The first draft of the primer will be completed on June 8, 2005. TSSC scheduled a meeting with TAF on June 9, 2005 to discuss the first draft. Ms. Luna has requested an extension of her contract.

In addition, Ms. Luna gave a presentation to TSSC, TAF and the US-AEP Country Program Manager on communication materials she had developed regarding issues and challenges in the implementation of the CWA.

### ***Capacity Building for the League of Cities***

TSSC participated in a workshop on the technical assistance and exchange program between the Florida League of Cities (FLC) and the Leagues of Cities of the Philippines (LCP). TSSC maintained contact with the LCP and the International County/Cities Management Association (ICMA) to finalize the exchange program's specific objectives, as well as the travel itinerary and the list of LCP delegates who joined the exchange program to Florida on May 22-28, 2005.

### ***Greening the Judiciary***

After a series of meetings with the Philippine Judicial Academy (PHILJA), TSSC developed the scope of work for an STTA contract to create interactive environmental training modules for judges (including simulated negotiation exercises) that will complement the environmental law offerings of PHILJA. One of the initial activities of PHILJA was consultation on the modules during the regional judicial enhancement training for Region VII judges. The pilot testing of the training module, which had incorporated feedback from the consultation, was held in the last week of May during another regional training event in the Caraga Region.

STTA consultant Dr. Assunta Cuyegkeng developed the interactive training modules on environment, which will enhance the capacity of judges to render decisions on cases concerning the environment. The training module will be accompanied by simulated negotiation exercises to complement the environmental law offerings of PHILJA. Based on the revised schedule, the project will end sometime in mid-August.

### ***Sustainable Financing Mechanism Roundtable Sharing Session with the Provincial Solid Waste Management Board of Negros Oriental***

The Solid Waste Management Association of the Philippines (SWAPP) conducted the final activity of its project, the "Development and Implementation of Sustainable Financing Mechanisms for Local Government Solid Waste Management." SWAPP held the activity in Dumaguete City with 61 participants in attendance. The TSSC CPC delivered a brief message on behalf of US-AEP, citing the pivotal role US-AEP played in SWAPP's conception and development and calling for the development of more champions and advocates for solid waste management among local government units.

## Improving Air Quality

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### *Noise Mapping Project at Dehiwala-Mount Lavinia Municipal Council Area*

TSSC reviewed progress on implementation of the Noise Mapping Project at Dehiwala-Mount Lavinia Municipal Area, which began in January of this year. Under this project, a noise zoning map is being prepared based on background noise levels of areas with different land use patterns. Monitoring of short-term day, evening and night-time noise levels is continuing.

### *Air Quality Management Compendium 2005 - CAI Asia*

Via the TSSC program office in Bangkok, TSSC staff gathered information from various projects working on air quality management and forwarded that information to CAI-Asia for inclusion in a Compendium of Air Quality Programs and Projects in Asia, a document being developed by CAI-Asia with the aim of reducing existing overlap between projects and identifying areas where assistance and support is lacking.

## Improving Environmental Governance

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### *Midwest-Sri Lanka Environmental Alliance Project*

TSSC staff lent coordination support to the Environmental Alliance Project, a project organized by the US Embassy, USAID, the American Chamber of Commerce, the Federation of Chambers of Commerce and Industries of Sri Lanka and the Tourism Cluster to enhance environmental management practices in Sri Lanka through the transfer of best management practices and environmental technology.

A delegation from the US that included representatives from nine environmental engineering companies met with Sri Lankan business leaders, planners and potential partners to discuss environmental technologies, best practices and business opportunities.

The US delegation consisted of companies and experts specializing in complete waste-water treatment systems and products; environmental engineering for municipal, industrial and residential development; wetland engineering and waste-water management designs; consulting services in engineering, design, environmental management and infrastructure development; solid waste disposal systems; waste minimization and exchange.

In addition to contributing to long term sustainable development, interest in this area will engender business opportunities for US companies in Sri Lanka involved in environmental engineering and other environment-related activities.

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

With assistance from TSSC, the Western Province Waste Management Authority of Sri Lanka prepared and submitted a request for short-term technical assistance to enhance the legal framework of its waste management services.

Under the guidance of the US-AEP Country Manager, TSSC provided coordination and logistical support to the Western Province Waste Management Authority of Sri Lanka in the organization of workshops, to be conducted July 5-9, 2005 in Colombo that will strengthen the legal framework for waste management in the province by soliciting input from various stakeholders.

## Administration

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The following grants were implemented through US-AEP local partners and monitored by TSSC staff:

- “Erosion Control in Sri Lanka Using Coir Based Geo-textiles and Other Coir Products” , implemented by EcoProtect Engineering and the University of Moratuwa;
- “Verification of Environmental Technologies and Processes for Wastewater Treatment Technologies for the Vehicle Service Stations of Sri Lanka” , implemented by the Industrial Services Bureau;
- “Improving the Delivery of Urban Environmental Services” in the City of Kotte, implemented by Environment Management Lanka.

TSSC developed several grant proposals in collaboration with local partners and the US-AEP Country Program Manager:

- Development of awareness-raising materials linking health benefits of air quality management to economics, in collaboration with Clean Air Sri Lanka;
- Working with the Karapitiya Hospital in Galle to develop awareness raising materials and workshops to disseminate the outcome of their solid waste management program;
- Development and dissemination of guidelines and informational materials on local governance, in collaboration with the Sri Lanka Institute of Local Governance (SLILG);
- Funding the pilot testing of septic tank capacity enhancement and water treatment using equipment donated by US companies (AEROMIX and AEROSTREAM) for post-tsunami assistance;
- Reviewing environmental technologies and processes for better living in urban cities of Sri Lanka;
- Introducing electric three-wheelers to Sri Lanka;
- Determining the effects of air pollution on the respiratory health of children living in rural and urban areas in the District of Kandy.

## Improving Environmental Governance

### *Enhancing Community Based Environmental Management (CBEM) of the Thachin River Basin*

In the early part of the quarter, TSSC staff accompanied and supported a group of Thai delegates participating in the USAID-funded Governance Study Tour to Washington, DC. In addition to coordinating the visa application process, TSSC staff worked with US partner David Nemazie of University of Maryland Center for Environmental Studies (UMCES) to develop a program agenda and coordinate the logistical arrangements.

In addition, TSSC translated the program agenda into Thai, helped to facilitate discussions between Thai participants and their American hosts and provided language interpretation services for Thai participants throughout their 8-day stay in the U.S. that took place in late April to early May.

### *Water Quality Monitoring Program*

The TSSC CPC worked with Dave Nemazie of UMCES and Dr. Natdhera of Silpakorn University to develop a grant proposal for the Thachin Water Quality Monitoring Program.

### *The ThaChin CBEM Website*

TSSC identified prospective Web site designers and outlined the scope of work, budget and timeline required to complete the Thachin CBEM website by the end of September. The Web site will include a water quality monitoring database. Further, TSSC coordinated with the Regional Environmental Office 5 (REO 5), the Pollution Control Department (PCD) and the prospective designers to clearly define the details of the project.

### *The CityLinks Partnership to Enhance Municipal Environmental Management*

TSSC staff developed the agenda and provided technical input to the CityLinks "Lessons Learned" Planning Committee for their April 19th meeting to plan a conference that will capture US-AEP results and lessons learned. TSSC staff helped to facilitate the meeting, providing coordination and technical expertise to local partners regarding project management and conference planning, as well as insights on the public participation process. Additional tasks included preparation of meeting materials and information-gathering regarding on logistical arrangements for the conference.

### *Development of Public Participation Manual (May 2-6)*

Early in the quarter, TSSC staff coordinated with the City of Portland, Oregon to facilitate their May 2-6, 2005 trip to Khon Kaen and participate in a week-long meeting and training workshop to develop the Public Participation Manual. TSSC staff participation included providing technical assistance, translation of the manual and other conference materials, simultaneous translation at meetings, logistical planning and provision of training materials.

In preparation for the workshop, TSSC:

- Coordinated with the City of Khon Khaen, Chiang Mai, and Phuket regarding their participation in the meeting;
- Provide the first draft (in Thai) of the Public Participation Manual and requested that participants review the manual prior to their attendance at the May 2-6 meeting;
- Finalized the meeting agenda with the City of Khon Khaen and two US counterparts representing Portland, Oregon.

Later in the quarter, TSSC staff provided technical expertise to the City of Khon Kaen regarding development of an action plan for the production of presentation materials and a public participation tool kit. In coordination with the Vice Mayor, TSSC staff advised City of Khon Kaen staff on management techniques, wastewater management, and public meeting techniques.

As a concluding product of the CityLinks project, the three participating cities have decided to produce a promotional video that will be presented to the Municipal League of Thailand (MLT). The video will serve as an introduction to the CityLinks project as well as a promotional tool for the MLT's Best Practices Conference scheduled for September of 2005. TSSC staff participated in the production of this video by reviewing the draft script, providing technical and artistic input, and providing much of the photographic content. TSSC also met with the Municipal League of Thailand to discuss presenting this video at its annual conference in Hat Yai district, Song Kra province.

## Improving Energy Efficiency

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### *Energy Based Tax Incentives Program*

In the early part of the quarter, TSSC staff provided logistical support and local knowledge to a team of experts from the State of Oregon who traveled to Thailand to share their knowledge on residential energy efficiency and business tax credit systems under a Council of State Governments (CSG) State Environmental Initiative (SEI) grant. TSSC staff worked closely with the Oregon-based team and the Thai Department of Alternative Energy and Energy Efficiency (DEDE), facilitating meetings during the four-day training session and providing support for the one-day public seminar entitled "Taking on Energy Challenges: The Oregon Experience."

## Improving Air Quality

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

Early in the quarter, TSSC staff and a STTA consultant worked with the Vietnam Register and the Technical and Scientific Consultant and Service Centre to review the results of a survey administered to national and international vehicle manufacturers, fuel importers and sellers with regard to vehicle emission standards and to evaluate Vietnam's capacity and readiness to move toward stricter vehicle and fuel standards.

The resulting report examines the incremental costs of adopting EU standards for vehicles and fuel and provides recommendations for emissions control in Vietnam. One result of the survey was an enhanced level of awareness among the survey participants and other stakeholders regarding the need and the necessary steps required to tighten vehicle and fuel standards.

Following the survey work, TSSC assisted in drafting an agenda for the "Adoption of Euro Vehicle Emission Standards and Fuel Quality Specifications" launch to be held in Hanoi on July 19, 2005 and in Ho Chi Minh City on July 21, 2005. The agenda draws upon the experience of international and national experts, including the US-based Health Effects Institute (HEI) of Boston and experts from China and Thailand. TSSC coordinated with local partners to determine roles, responsibilities, agenda and budget.

### *Monitoring Vehicular Air Pollution in Hanoi City (FY2004)*

At the request of the East-West Center (EWC), TSSC facilitated a visit by Dr. Nancy Lewis, EWC Director of Research Programs by setting up meetings to establish relationships with relevant stakeholders concerned with exposure assessments. Dr. Lewis met with Prof. Dang from Hanoi University of Civil Engineering's (CEETIA) which resulted in an agreement among US-AEP, EWC and CEETIA to host a workshop in late July 2005 on air quality management and exposure assessment in Hanoi. The workshop will disseminate findings and key lessons learned and will provide possible solutions and recommendations.

### *Compendium of Air Quality Programs and Projects in Asia*

The CAI-Asia Secretariat is updating the first draft of the "Compendium of Air Quality Programs and Projects in Asia" which was presented at the First Coordination Meeting of Regional Air Quality Management Programs and Initiatives in Asia in Bangkok in June 2004.

In acknowledgement of its usefulness and relevance to the clean air community in Asia, the CAI-Asia Secretariat has decided to update the compendium and expand its coverage to also cover programs and projects undertaken by national and local organizations, which can directly or indirectly reduce local air pollution concentrations in Asian mega-cities. TSSC is assisting in identifying new programs and projects not included in the 2004 Compendium. The results will enable CAI-Asia to update the 2005 Compendium, to be presented in early July at the Second Regional Coordination Meeting of Air Quality Programs and Initiatives.

## Improving Waste Management

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### *Polychlorinated Biphenyls (PCBs)*

Early in the quarter, TSSC collaborated with the Electricity Corporation of Vietnam (EVN), Western Area Power Administration (WAPA), and Affinity Consultants, Inc. to convene a task force workshop for the purpose of developing a draft Management Plan for Polychlorinated Biphenyls (PCBs) for EVN. The audience for the PCBs management plan is workers in the power sector who come in daily contact with PCBs. The five-day workshop resulted in a draft PCB Management Plan, written in a consultative manner that enabled EVN and other stakeholders to have input into the plan.

TSSC worked with Affinity and the Vietnam Environmental Technology and Joint Stock Company (VENETCO) to prepare two training courses, one in Hanoi and one in Danang, conducted over two-days in June in each city. Each course trained 60 technical staff involved in handling, storage, transport, and maintenance of transformers and will review the PCB management Plan. The primary objective of the training course was to raise awareness and strengthen the capabilities of power sector employees for managing, storing, disposing and treating PCBs.

### *Persistent Organic Pollutants (POPs)*

In collaboration with the United Nations Development Program (UNDP), the Korean Ministry of Environment and USAID, TSSC organized a series of one-week training workshops in Hanoi and HCMC entitled "Persistent Organic Pollutants (POPs) - Stockholm Convention Implementation: International Practices." More than 160 participants from 32 southern provinces of Vietnam, as well as representatives from relevant agencies, universities, industries and NGOs participated in the back-to-back training workshops. The training helped facilities that generate wastes to gain a better understanding of their roles and responsibilities in the prevention and control of persistent organic pollutants.

## **Improving Environmental Governance**

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### *Improved Environmental Policies and Institutions*

In April, TSSC collaborated with the Department of Water Resources in the hosting of a workshop in Tam Dao on sustainable management of river flows and water extractions in Vietnam. Discussions focused on the need to balance the demands for water used by individuals, communities, industries, and energy producers. The allocation of water between these competing uses is complex. International and local experts provided information on the effects of dams and underground extraction of water on river flows and best international approaches to develop flow management rules that can mitigate potential impacts.

TSSC is taking the lead role in planning and leading a study exchange to South Africa scheduled for late June/early July. In acknowledgement of the usefulness and relevance of a study exchange on water resource management in Vietnam, the World Conservation Union (IUCN) will sponsor participants from Vietnam representing DANIDA. The study exchange to South Africa will consist of approximately 15 senior managers, both policy and technical. The study exchange will provide an overview of South Africa's policy framework and implementation, followed by field work. Participants will review a water services program designed to ensure service efficiency in meeting community needs, water use licensing and registration policies, and the process of implementing a licensing system. South Africa has nominated the Department of Water Affairs and Forestry (DWAF) Directorate of International Liaison to take the lead in the study exchange and provide assistance from the Water Research Commission.

## **Improving Industrial & Energy**

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TSSC, in collaboration with the Chemical Society of Vietnam (CSV) and Bayer Thai Co., held a Responsible Care Workshop in May 2005 to secure buy-in and commitment from key ministries to support Responsible Care in Vietnam. Following the workshop, Dr. Chris Van Lint, Asia Pacific/Bayer China Co. Ltd, General Manager of Safety, Health and Environment, worked with CSV on the application process to become a member of the Responsible Care Leadership Group (RCLG). CSV sees Responsible Care as a tool for the chemical industry to improve all aspects of health, safety and environmental performance in their processes and products.

## OPERATIONAL SUPPORT

### Grants and Short Term Technical Assistance (STTA)

The TSSC has awarded 19 grants and STTAs and has managed 65 ongoing grants and STTA activities during this period. The following list details the grants awarded and STTA contracts that were awarded in this quarter:

#### *India*

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

#### *Indonesia*

- GRANT: to Yayasan Pendidikan dan Latihan Tirta Dharma (YPTD) for preparing a Certification Program for Operators 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.
- STTA: to Eddy Akhirwan, Wawan Wahidiat, and Agus Pudjiarto for water re-rating activity. STTA Amount \$3,392.
- STTA: to Scott Fruin for Measuring Exposure to Particulate Matter and Carbon Monoxide. Amount \$2,025.
- STTA: to Assunta C. Cuyegkeng for greening the judiciary activity. Amount \$3,353.

#### *Philippines*

- 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 the 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, 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 a Pilot Regional Council. Amount \$3,500.
- GRANT: to the University of the Philippines Chemical Engineering Alumni Foundation, Inc. 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.
- STTA: to Lizette Cardenas to organize the US-AEP Lessons Learned conference. Amount \$2,580.
- STTA: to Manuel Camagay to develop a mathematical model for hydrocarbon and carbon monoxide emissions from motorcycles. Amount \$3,014.

#### *Sri Lanka*

STTA: to A.H. Gamage, Palitha Abewardena, W. D. Wimalratne, C. Paranagama, N. Sivahumaran, G.L.A.Nanayakkara to develop a Legal Framework on Waste Management in Sri Lanka. Amount \$2,590.

### *Vietnam*

- 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.
- STTA: to Tom Himes to assist Vietnam Electricity Corporation (EVN) to undertake two training courses to ensure the safe handling, transport and disposal of PCBs in the power sector. Amount \$5,400.

### *Communications*

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#### *US-AEP Website Updates*

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

- "Grants awarded to support environmental efforts in Asian cities: Three US states will lend expertise to ASEAN initiative" - Posted: May 16, 2005
- "US-AEP partners with Parkson Corporation to provide water purification system Thailand Tsunami Donation" - Posted: May 12, 2005
- "Sustainable Management of River Flows and Water Extractions in Vietnam" - Posted: May 10, 2005

#### *Day-to-Day Communication Supports*

Over the quarter, the TSSC continued to prepare and distribute "At A Glance," US-AEP's bi-weekly update on program activities, as well as prepare submissions for the "Bangkok Briefer," RDM/S's weekly summary of events that is provided to the US Ambassador to Thailand.

#### *Transition Communications*

In the beginning of this quarter, additions of content to the US-AEP Website Resources Page facilitated the communication of messages provided by USAID to stakeholders about the future of the program. A list of 300+ partners involved with US-AEP programs was compiled; however, current contacts for these partners are still outstanding from Thailand and the Philippines.

For a variety of reasons, contact with the CTO for US-AEP regarding the closure of US-AEP was limited during the month of May and consequently, no activities to communicate the transition to stakeholders were approved. As of May, the majority of stakeholders did not have a clear understanding that US-AEP will be concluded on September 30, 2005 and be replaced by a new regional program.

However, in June, a range of activities designed to communicate the closure of US-AEP and start-up of a new regional environmental program were identified. These will include an information sheet about the new program, form letters for country managers to send to stakeholders about the close-out, and activities to capture US-AEP accomplishments and recognize contributions to the program over the past decade.

#### *Media Releases*

The following media releases were made during this quarter:

- Draft release entitled "National Workshop Convened to Address Demands on Vietnam's Water." Released April 14, 2005.
- "Study Exchange Quenches Thirst for Solutions: Vietnam and South Africa Share Water Management Strategies." (June 25, 2005)

#### *Graphic & Web Design Services*

As a result of new USAID branding guidelines and graphic standards, professional design services are needed to ensure compliance. A lack of such services has delayed the production of basic materials

(business cards, office templates, etc.) and the design of reports for publishing on the US-AEP website.

Country programs are increasingly requesting design services to produce materials relating to closing-out programs and documenting best practices for future replication. Currently, TSSC is making efforts to obtain design services to meet the needs of its program operations.

### *Other General Communications*

TSSC staff also supported the day-to-day communications needs for the US-AEP Regional office, including ongoing preparation of the bi-weekly update, At-A-Glance and preparation of submissions for the RDM/A weekly submission to the US Ambassador to Thailand, the Bangkok Briefer.

### **Regional Operations Support**

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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**

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TSSC prepared the annual Mid- Year Report and submitted it to RDM/A on May 2, 2005. The Mid-Year report summarizes country progress on implementing work plan activities, as well as summarizing information on country budget expenditures as of March 31. The Mid-Year Report included information on work plan activity completed, status of ongoing activities, and updates on changes to planned work plan activity. For this year's Mid-Year Report, special emphasis was placed on collecting information on exchange expenditures and planned expenditure of exchange funds to identify planned exchanges that may not take place..