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QUARTERLY REPORT NO. 3

OCTOBER - DECEMBER 2005



DECEMBER 2005

This publication was produced by Development Alternatives, Inc. for the United States Agency for International Development under Contract No. 497-M-00-05-00005-00

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ESP BANDA ACEH/NANGGROE ACEH DARUSSALAM

During his visit to Tsunami-affected area in NAD, the Assistant Administrator for Asia and Near East of USAID, Jim Kunder (third from left), visited Water treatment plant Siron 2 in Lambaro Sub district, Aceh Besar District. For more about this, please read the Cover Story on page 1.

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Title:	Quarterly Report No. 3, October-December 2005.
Program, activity, or project number:	Environmental Services Program, DAI Project Number: 5300201.
Strategic objective number:	SO No. 2, Higher Quality Basic Human Services Utilized (BHS).
Sponsoring USAID office and contract number:	USAID/Indonesia, Contract number: 497-M-00-05-00005-00.
Contractor name:	DAI.
Date of publication:	December 2005.

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COVER STORY

A VIP IN SIRON II BANDA ACEH

One year has passed since the great wave almost wiped out the majority of Nanggroe Aceh Darussalam's (NAD) west coast and clean water is still a major problem for the disaster-affected population, who rely heavily on clean water supplied by humanitarian actors present in the area.

Water treatment plant Siron 2 is located in Lambaro Sub district, Aceh Besar District, on the suburbs of heavily-affected Banda Aceh, the capital of NAD. Since mid 2005, Siron 2 has a very prominent role of supplying potable water to almost all water tank vehicles that distribute water to Banda Aceh and its vicinities.

Build by the Department of Public Works in 2003, the plant with 60 liters per second capacity of treating water has been a controversy. It has never been operated ever since it was built and was even rejected by the Aceh Besar District. Post tsunami Aceh saw an enormous need of clean water, which has driven ESP to conduct a feasibility study of operating Siron 2. UNICEF welcomed this initiative by providing support in repair cost and operational cost of Siron 2. As a result, since mid 2005 Siron 2 water treatment plant has been fully operational to cater the needs of clean water to around 26,000 disaster-affected people. In addition, ESP contributed by building the capacity of the staff members of Tirta Montala PDAM through various trainings such as dosing system training and water quality monitoring.

During his visit to Tsunami-affected area in NAD, the Assistant Administrator for Asia and Near East of USAID, Jim Kunder, visited Siron 2 and had a talk with staff members of Tirta Montala PDAM of Aceh Besar District as the manager of the plant. Kunder was very impressed with the skills of Siron 2 operators and drank a glass of water fresh out of the water treatment plant.



RONNY SUTRISNO, ESP BANDA ACEH/ NANGGROE ACEH DARUSSALAM

James Kunder drinks a glass of water fresh out of the water treatment plant Siron 2 in Lambaro Sub district, Aceh Besar district during his visit to the disaster-affected area.

SECTION I

INTRODUCTION AND SUMMARY

INTRODUCTION

USAID's Environmental Services Program (ESP) promotes better health through improved water resources management and expanded access to clean water and sanitation services.

This Progress Report for ESP is submitted by Development Alternatives, Inc. to the United States Agency for International Development in accordance with Article II, Section G, Reports (as modified) of Contract No. 497-M-00-05-00005-00, originally executed January 11, 2005. This document represents Quarterly Progress Report No. 3 of the Environmental Services Program, for the period October 1, through December 31, 2005. This report provides information on the initiation and execution of program activities in the regions covered by ESP. Copies of this report are also being provided to Government of Indonesia steering committee members, other relevant programs of USAID, as well as subcontractors and partners of the ESP Program per the distribution list attached to the transmittal letter.

Section I of this report provides the reader with an executive-style summary of the program and its achievements from October 1 through December 31, 2005. Section 2 describes program activities in each region in greater detail. Sections 3 and 4 provide an update on program management and program

BAB I

PENGANTAR DAN RINGKASAN

PENGANTAR

Program Jasan Lingkungan USAID (Environmental Services Program-ESP) mendorong tercapainya kesehatan yang lebih baik melalui perbaikan pengelolaan sumber daya air dan perluasan akses untuk memperoleh layanan sanitasi dan air bersih.

Laporan Kemajuan untuk ESP ini disampaikan oleh Development Alternatives, Inc. kepada Badan Pembangunan Internasional Amerika Serikat (United States Agency for International Development – USAID) sehubungan dengan Pasal II, Bab G, Laporan (sesuai revisi) Kontrak No. 497-M-00-05-00005-00 tertanggal 11 Januari 2005. Dokumen ini merupakan Laporan Kemajuan Triwulan No. 3 dari Program Jasa Lingkungan, untuk periode 1 Oktober sampai 31 Desember 2005. Laporan ini berisi informasi peluncuran dan pelaksanaan program-program di berbagai daerah kerja ESP. Salinan-salinan dari laporan ini juga disediakan bagi para anggota komite pengarah dari Pemerintah Indonesia, program-program USAID lain yang terkait, dan juga bagi para subkontraktor dan mitra dari Program ESP sesuai dengan daftar distribusi yang dilampirkan pada surat pengiriman.

Bab I dari laporan ini menyediakan ringkasan eksekutif mengenai program dan berbagai keberhasilannya dari 1 Oktober sampai 31 Desember 2005. Bagian 2 menjelaskan aktivitas-aktivitas program di masing-masing

monitoring and evaluation, respectively.

Regarding the structure of Quarterly Report No. 3, please note that ESP has made an important change in the presentation of quarterly activities and accomplishments. While previous quarterly reports presented ESP activities by technical component, Quarterly Report No. 3 presents activities according to region. The purpose of this change is present the work of ESP in format which better reflects the integrated nature of the Program. Importantly, the program outcomes addressed in Section 4 remain presented by technical component per the organization of the ESP Work-Plan.

wilayah dengan lebih terperinci. Bagian 3 dan 4 masing-masing memberikan informasi terbaru mengenai pengelolaan program dan pemantauan serta evaluasi program.

Menyangkut struktur Laporan Triwulan No. 3, bisa dilihat bahwa ESP membuat sebuah perubahan mendasar dalam pola pemaparan kegiatan dan keberhasilan. Laporan-laporan sebelumnya memaparkan kegiatan ESP berdasarkan komponen teknis, sedangkan Laporan Triwulan No. 3 memaparkan kegiatan berdasarkan wilayah. Tujuan perubahan ini adalah memaparkan pekerjaan ESP dengan susunan yang bisa lebih mencerminkan keterpaduan antar Program. Suatu hal yang penting, hasil-hasil program yang dibahas dalam Bab 4 tetap dipaparkan berdasarkan komponen teknis sesuai dengan susunan Rencana Kerja ESP.

SECTION I.I.

ESP OVERVIEW

THE ENVIRONMENTAL SERVICES PROGRAM

ESP works with government, private sector, NGOs, community groups and other stakeholders to improve the management of water resources and broaden the distribution of safe water to urban dwellers by strengthening watershed management and delivery of key environmental services, including clean water supply, wastewater collection and treatment and solid waste management in Indonesia. The period of the project is from December 2004 through September 2009 including an initial transition from previous programs.

ESP is a five-year project which was developed by USAID/Indonesia to improve sustainable management of water resources. ESP activities are focused on nine High Priority Integrated Provinces: Nanggroe Aceh Darussalam, North Sumatra, West Sumatra, East Java, Central Java/Yogyakarta, West Java/Banten and DKI Jakarta. ESP also supports a limited set of activities in four Special Imperative Areas: Balikpapan, Manado, Manokwari and Jayapura. This initiative supports activities in the following three key areas:

- Improving health by increasing access to clean water and sanitation services;
- Improved watershed management;
- Increasing the productivity of water.

The ESP program provides technical assistance and related services to impact USAID's **Strategic Objective No. 2, Higher Quality Basic Human Services Utilized (BHS)**. BHS focuses on the interdependence of health and the environment and their impact on health outcomes. To achieve this, USAID will

BAB I.I

SEKILAS ESP

PROGRAM JASA LINGKUNGAN

ESP bekerja dengan pemerintah, sektor swasta, LSM, kelompok masyarakat dan pemangku kepentingan (stakeholders) untuk meningkatkan pengelolaan sumber daya air dan memperluas distribusi air yang aman untuk penduduk perkotaan melalui perbaikan pengelolaan daerah aliran air sungai dan penyediaan jasa lingkungan, termasuk pasokan air bersih, penampungan serta pengelolaan air limbah dan pengelolaan limbah padat di Indonesia. Periode proyek ini adalah sejak Desember 2004 sampai September 2009 termasuk masa transisi awal dari program sebelumnya.

ESP adalah proyek lima tahun yang dikembangkan USAID/Indonesia untuk meningkatkan pengelolaan sumber daya air yang berkelanjutan. Kegiatan ESP difokuskan pada sembilan provinsi yang menjadi prioritas: Nanggroe Aceh Darussalam, Sumatra Utara, Sumatra Barat, Jawa Timur, Jawa Tengah/Yogyakarta, Jawa Barat/Banten dan DKI Jakarta. ESP juga mendukung beberapa kegiatan di empat wilayah khusus: Balikpapan, Manado, Manokwari dan Jayapura. Dukungan tersebut meliputi tiga hal utama:

- Memperbaiki kesehatan dengan memperluas jangkauan layanan sanitasi dan air bersih;
- Memperbaiki pengelolaan daerah aliran sungai;
- Meningkatkan produktivitas air.

Program ESP menyediakan bantuan teknis dan pelayanan terkait guna memenuhi **Tujuan Strategis No. 2 dari Pelayanan Kebutuhan Dasar Manusia dengan Kualitas yang Lebih Tinggi (Higher Quality Basic Human Services Utilized - BHS)** dari USAID. BHS memusatkan perhatian pada keterkaitan antara lingkungan dan

increase access and utilization of key health and environmental services, particularly to users currently underserved or not served at all.

OBJECTIVES OF THE ESP PROGRAM

In accordance with Section C of the Contract, ESP will work with the Government of Indonesia, the private sector, NGOs, community groups and other stakeholders to strengthen watershed management and the key environmental services through four interrelated project objectives:

1. Strengthen the capacity of communities, governments, the private sector, local institutions, and NGOs to advocate for expanded delivery of key environmental services through improved water resources and protected areas management;
2. To expand opportunities for communities, NGOs, private sector and universities to participate more effectively in local management of water resources and delivery of key environmental services;
3. To strengthen biodiversity conservation through improving understanding and appreciation for the linkage between protected and forested areas and the delivery of key environmental services; and
4. To improve health and livelihoods of Indonesians through improved and expanded access to key environmental services (water, sanitation, solid waste) through the use of appropriate technologies, innovative financing, environmentally sustainable best practices, and sustainable market oriented activities.

Central to the above-described program will be a coordinated, collaborative and integrated approach involving all of the programs of the Basic Human Services Offices of USAID. In order to more effectively impact the success

kehatan serta dampak keduanya pada kesehatan.. Untuk mencapai hal ini, USAID akan menambah akses dan pemanfaatan layanan lingkungan dan kesehatan, khususnya bagi masyarakat yang belum merasakan pelayanan tersebut.

TUJUAN PROGRAM ESP

Merujuk pada Bab C dalam kontrak, ESP akan membina kerja sama dengan Pemerintah Indonesia, sektor swasta, LSM, kelompok masyarakat dan para pemangku kepentingan untuk meningkatkan pengelolaan daerah aliran sungai dan pelayanan lingkungan melalui empat tujuan proyek yang saling terkait:

1. *Memperkuat kapasitas masyarakat, pemerintah, sektor swasta, institusi lokal, dan LSM dalam mendukung perluasan layanan jasa lingkungan melalui peningkatan pengelolaan sumber daya air dan kawasan yang dilindungi;*
2. *Memperluas kesempatan bagi masyarakat, LSM, sektor swasta dan universitas untuk berpartisipasi secara lebih efektif dalam pengelolaan lokal sumber daya-sumber daya air dan pemenuhan layanan jasa lingkungan;*
3. *Memperkokoh pelestarian keanekaragaman hayati melalui peningkatan pemahaman dan penghargaan terhadap keterkaitan antara kawasan lindung dan kawasan hutan serta pemenuhan layanan jasa lingkungan;*
4. *Meningkatkan kesehatan dan mata pencaharian penduduk Indonesia melalui perbaikan serta perluasan akses terhadap layanan lingkungan (air, sanitasi, dan limbah padat) dengan memanfaatkan teknologi tepat guna, pendanaan yang inovatif, praktik-praktik yang berwawasan lingkungan dan pelaksanaan kegiatan yang berorientasi pasar yang berkelanjutan.*

Suatu yang mengintegrasikan program-program di atas adalah pendekatan terkoordinasi, kolaboratif dan terpadu dengan melibatkan semua program yang termasuk dalam program pelayanan Kebutuhan Dasar Manusia (BHS)

rate of BHS programs, strong efforts are being made to assure as much synergy within the program as possible. ESP is committed to work closely with and in parallel to other relevant BHS programs such as, but not limited to:

- The Health Services Project (Maternal, Neonatal and Child Health)
- The Development Assistance Programs (food assistance)
- The Safe Water Systems (SWS) Project

In addition, the ESP program is collaborating very closely with other relevant programs of related USAID Strategic Objectives, such as the Local Governance Support Program (LGSP), the Decentralized Basic Education Programs (DBE1, 2 & 3), and the Aceh Technical Assistance Recovery Program (ATARP).

dari USAID. Agar dapat memberi dampak yang lebih efektif atas keberhasilan program BHS, maka banyak usaha yang dilakukan untuk bisa mencapai sebanyak mungkin sinergi di dalam program ini. ESP memiliki komitmen untuk bekerja sama dengan program BHS lain yang terkait, tidak terbatas pada program tersebut di bawah ini:

- Proyek Layanan Jasa Kesehatan (Kesehatan Ibu, Bayi dan Anak)
- Proyek Bantuan Pembangunan (bantuan pangan)
- Proyek Sistem Air yang Aman (SWS)

Di samping itu, program ESP juga membina kerja sama amat erat dengan program-program terkait dalam Tujuan Strategis USAID, seperti Program Dukungan Pemerintah Daerah (Local Government Support Program – LGSP), Program Pendidikan Dasar Terdesentralisasi (Decentralized Basic Education Program – DBE 1, 2, dan 3) serta Program Bantuan Teknis Pemulihan Aceh (Aceh Technical Assistance Recovery Program – ATARP).

SECTION 1.2.

SUMMARY OF QUARTERLY ACHIEVEMENTS

INTRODUCTION

Section 1.2 provides a summary of quarterly activities and achievements in each of the High Priority Provinces. Notable activities are also presented for the Special Concern Imperative Areas, Program Management, and National Initiatives.

Before delving into this quarter's highlights, it is particularly exciting to note the extent to which upstream – downstream linkages are falling into place program-wide. Across the provinces natural connections continue to emerge between upper watersheds and low-lying areas, villages and urban centers, rural livelihoods and water utilities. Notable examples include the following:

- In North Sumatra, PDAM Tirtanadi incorporated into its draft Corporate Plan a scheme that would set aside Rp.10 of the charge for each cubic meter of water sold for funding upstream water conservation programs;
- In West Sumatra, a Watershed Management Multi-stakeholder Forum was held with the theme “*dari hulu air mengalir, selamat kita di hilir,*” or, “The water flows from upstream areas to provide for our downstream welfare”;
- In West Java, PDAMs in Subung and Cianjur are assisting in the purchase/provision of seedlings to help rehabilitate degraded areas that are vital to the PDAMs intake of raw water;
- In East Java, ESP supported two public consultation workshops on a draft provincial regulation (Perda) concerned with linking, through financial institutions, the responsibility of water users to upper watershed land management;

BAB 1.2

RINGKASAN KEBERHASILAN TRIWULAN

PENGANTAR

Bab 1.2 memberikan ringkasan dari kegiatan dan keberhasilan triwulan pada masing-masing provinsi yang menjadi prioritas. Kegiatan-kegiatan yang patut diangkat juga dipaparkan untuk Wilayah Perhatian Khusus, Pengelolaan Program, dan Inisiatif Nasional.

Sebelum masuk ke dalam Pencapaian hasil-hasil triwulan ini, terdapat perkembangan menarik yakni semakin lancarnya keterkaitan hulu - hilir di keseluruhan program. Di semua provinsi terus berkembang hubungan-hubungan alamiah antara wilayah-wilayah hulu aliran sungai dengan daerah dataran rendah, desa-desa dengan pusat-pusat perkotaan, kehidupan pedesaan dengan perusahaan air minum. Contohnya antara lain:

- *Di Sumatra Utara, Rancangan Pengembangan Usaha PDAM Tirtanadi memasukkan skema menyisihkan Rp 10 dari tagihan tiap meter kubik air yang terjual untuk mendanai program konservasi hulu sungai;*
- *Di Sumatra Barat, Forum Multipihak Pengelolaan Aliran Sungai telah dijalankan dengan tema "dari hulu air mengalir, selamat kita di hilir";*
- *Di Jawa Barat, PDAM di Subang dan Cianjur membantu penyediaan bibit-bibit untuk membantu merehabilitasi kerusakan di wilayah-wilayah yang vital sebagai sumber air bahan baku PDAM;*
- *Di Jawa Timur, ESP mendukung dua lokakarya konsultasi masyarakat mengenai rancangan Perda menyangkut tanggung jawab pengguna air terhadap pengelolaan tanah daerah hulu aliran sungai melalui lembaga-lembaga keuangan;*

At the center of these important geographic and institutional linkages is the provision of clean, potable water. Connecting people, communities, organizations, and governments based upon the universal need of clean water and improved health is the hallmark of the Environmental Services Program.

REGIONAL HIGHLIGHTS

Nanggroe Aceh Darussalam. During this quarter ESP Aceh rapidly expanded its community-based activities. At the leading edge of this expansion were the cooperative efforts of ESP and the Health Services Program (HSP) in the renovation of four health facilities. Additionally, the Watershed Management team completed preliminary surveys of villages in the DAS Krueng Aceh and DAS Sabe-Gepu. These surveys established a list of potential villages for watershed management (WSM) and service delivery (SD) community-based activities. A combined SD-WSM team also conducted a fully integrated Sustainable Livelihoods Assessment of Blang Lambaro in the village of Saree Aceh in Aceh Besar. This community was identified as the site for the first “mini-ESP” program in Aceh, with activities that will include renovation of a community clean water distribution system and an agro-forestry education program.

Additional highlights in Aceh included the following:

- In Lamkruet, where ESP is working with NGO’s Atalas Logistique, Habitat for Humanity, and Dompét Dhuafa, ESP completed the designs for a waste-water garden communal sanitation pilot;
- In Aceh Besar, ESP played an important role in the activation of the water treatment plant, Siron II. The newly activated plant replaces the energy expensive General Electric reverse osmosis mobile plant as the main provider of water for temporary living centers (TLCs) in the Banda Aceh-Aceh Besar area;

Suatu hal inti dari kaitan geografis kelembagaan ini adalah penyediaan air yang bersih dan layak minum. Menghubungkan orang, masyarakat, organisasi, dan pemerintah berdasarkan kebutuhan universal untuk mendapatkan air bersih dan kesehatan yang lebih baik adalah ciri khas dari Program Jasa Lingkungan.

PENCAPAIAN WILAYAH

Nanggroe Aceh Darussalam. Sepanjang triwulan ini ESP Aceh dengan cepat memperluas kegiatan berbasis masyarakat. Kegiatan terbaru dari perluasan ini adalah upaya kerja sama antara ESP dan Program Layanan Kesehatan (Health Services Program – HSP) dalam perbaikan empat fasilitas kesehatan. Sebagai tambahan, tim Pengelolaan Daerah Aliran Sungai menyelesaikan survai awal desa-desa di DAS Krueng Aceh dan DAS Sabe-Gepue. Survai-survai ini menyusun daftar desa-desa potensial untuk kegiatan pengelolaan daerah aliran sungai (watershed management – WSM) dan layanan jasa lingkungan (services delivery — SD) berbasis masyarakat. Tim gabungan SD-WSM juga menjalankan survai Penilaian Kehidupan Berkelanjutan untuk Blang Lambaro di desa Saree Aceh di Aceh Besar. Masyarakat di tempat itu diidentifikasi sebagai lokasi untuk program “mini-ESP” pertama di Aceh. dengan kegiatan meliputi perbaikan sistem distribusi air bersih masyarakat dan program pendidikan pertanian-kehutanan.

Pencapaian lain untuk Aceh meliputi:

- Di Lamkruet, di mana ESP bekerja sama dengan LSM Atalas Logistique, Habitat for Humanity, dan Dompét Dhuafa, ESP menyelesaikan rancangan taman yang memanfaatkan air limbah untuk percontohan sanitasi masyarakat;
- Di Aceh Besar, ESP memainkan peran penting dalam mengaktifkan fasilitas pengolahan air, Siron II. Fasilitas pengolahan yang baru diaktifkan menggantikan fasilitas pengolahan osmosis terbalik General Electric yang haus energi sebagai penyedia air utama bagi pusat penampungan sementara (PPS) di wilayah Banda Aceh – Aceh Besar;

- A budgeting, investment analysis and customer relations training was delivered to 46 staff of the PDAMs in Banda Aceh, Meulaboh and Aceh Barat (34 men and 12 women). Water quality training was also provided to the six people (4 men and 2 women) seconded to the three PDAMs in Aceh;
- In response to a BRR and UNICEF request, ESP conducted an extensive assessment of water and sanitation infrastructure in Aceh Besar and Aceh Jaya.

North Sumatra. An integrated package of activities also continued to expand in North Sumatra. The ESP North Sumatra team, led by the Municipal Finance Team and the Service Delivery Team, assisted PDAM Tirtanadi over the last quarter to complete a draft of their 5 year corporate plan. The corporate planning process also included inputs from the WSM team addressing raw water conservation and the Public Outreach team regarding publicizing potential tariff increases.

In Deli Serdang the Farmer Field School for Ecological, Water-Saving Rice Production held its Field Day and began expanded activities. The Ecological Rice Production program is now being spread by Farmer Trainers to 4 sub-districts in Deli Serdang and to upper watershed areas, while agricultural officials from West Sumatra have committed to implement the approach to reap the water, health, environmental, and economic benefits. Besides contributing to farmers' livelihoods, this activity will also lead to significantly reduced fertilizer and pesticides run-off into important streams and rivers.

Additional highlights in North Sumatra included the following:

- An integrated ESP team including GIS, Health and Hygiene, WSM, Agro-forestry, and Communications specialists worked with social documentary film maker Rob Nugent to make a series of short films

- Pelatihan anggaran, analisis investasi dan hubungan pelanggan telah diberikan kepada 46 staf dari PDAM Meulaboh dan Aceh Barat (34 pria dan 12 wanita). Pelatihan kualitas air juga diberikan kepada enam orang (4 pria dan 2 wanita) yang memberikan bantuan bagi tiga PDAM di Aceh;
- Sesuai permintaan BRR dan UNICEF, ESP menjalankan survai menyeluruh terhadap infrastruktur air dan sanitasi di Aceh Besar dan Aceh Jaya.

Sumatra Utara. Paket kegiatan terpadu juga meluas di Sumatra Utara. Tim ESP Sumatra Utara, dipimpin oleh Tim Keuangan Kota dan Tim Layanan Jasa Lingkungan, membantu PDAM Tirtanadi pada triwulan terakhir untuk menyelesaikan rancangan rencana pengembangan usaha 5 tahun. Proses perencanaan pengembangan usaha juga mengikutsertakan masukan dari tim WSM menyangkut pemeliharaan air bahan baku dan tim Jangkauan Masyarakat menyangkut publikasi kemungkinan kenaikan tarif.

Di Deli Serdang, Sekolah Lapangan Pertanian untuk Produksi Padi Berwawasan Lingkungan dan Hemat Air melakukan Hari Lapangan dan mulai memperluas aktivitas. Program Produksi Padi Berwawasan Lingkungan sekarang sedang disebarkan oleh Penyuluh Pertanian ke 4 kecamatan di Deli Serdang dan ke wilayah hulu aliran sungai, sementara pejabat pertanian dari Sumatra Barat telah berkomitmen untuk menerapkan pendekatan tersebut agar mendapatkan keuntungan dari segi air, kesehatan, lingkungan dan ekonomi. Di samping membantu mata pencarian petani, kegiatan ini juga akan mengurangi secara signifikan pupuk dan pestisida yang terlarut ke sungai dan anak sungai penting..

Pencapaian lain untuk Sumatra Utara meliputi:

- Tim ESP terpadu termasuk GIS, Kesehatan dan Kebersihan, WSM, Agro-kehutanan, dan spesialis Komunikasi bekerja bersama pembuat film dokumenter sosial Rob Nugent

encapsulating the 'Ridge to Reef' concept of ESP;

- As a follow-up to the Sustainable Livelihoods Assessment in Karo and Deli Serdang, local ESP network *KERINA* continued to expand the tree *Banda Aceh*, nursery program, carrying out community nursery and community sanitation activities in 6 villages;
- Development cooperation between Japan (JBIC) and USAID-ESP on solid waste management moved forward, as ESP completed a household survey in the community on the Percut River where JBIC-ESP collaboration will take place.

West Sumatra. The ESP/West Sumatra team was actively engaged in both upstream and downstream activities this quarter. In the upper watershed areas, ESP facilitated community participatory livelihoods assessments in ten villages to date. Importantly, the communities involved subsequently launched the forum "PEDAS Kota Padang" (Water Catchment Community Forum). In down stream areas, ESP facilitated the strengthening of the PDAM through a variety of activities, including a customer satisfaction survey (CSS), PDAM corporate planning, and direct GIS/GPS training. Additionally, ESP also carried out a survey on sanitation issues and conditions in Padang. This survey will serve as the basis for community-based sanitation planning.

Meanwhile, ESP West Sumatra also endeavored to establish a multi-stakeholder forum for watershed management encompassing all three river basins in the municipality of Padang. Intense issues-based dialog and communication was also conducted involving the Padang municipality government, Andalas University, local urban communities, schools, and West Sumatra NGOs. Dialogue culminated this quarter in a multi-stakeholder workshop entitled "Dari hulu air mengalir, selamat kita di hilir" (*The water comes from upstream, providing for the welfare of those downstream*).

untuk membuat serangkaian film pendek yang menangkap konsep ESP yakni "Hulu keHilir";

- Sebagai tindak lanjut Penilaian Mata Pencarian Berkelanjutan di Karo dan Deli Serdang, jaringan ESP lokal *KERINA* terus memperluas program pembibitan pohon, menjalankan pembibitan berbasis masyarakat dan kegiatan sanitasi masyarakat di 6 desa;
- Kerja sama pembangunan antara Jepang (JBIC) dan USAID-ESP untuk pengelolaan sampah padat bergerak maju, dengan selesainya ESP melakukan survai rumah tangga pada masyarakat di Sungai Percut tempat akan dilakukannya kerja sama JBIC-ESP.

Sumatra Barat. Tim ESP/Sumatra Barat secara aktif melaksanakan kegiatan hulu dan hilir kuartal ini. Di wilayah hulu aliran sungai, ESP sampai saat ini membantu pelaksanaan livelihood assessments partisipatoris masyarakat di sepuluh desa. Yang juga penting, masyarakat yang dilibatkan selanjutnya meluncurkan forum "PEDAS Kota Padang" (Forum Masyarakat Daerah Tangkapan Air). Di wilayah-wilayah hilir, ESP membantu penguatan PDAM melalui berbagai kegiatan, termasuk survai kepuasan pelanggan, perencanaan pengembangan usaha PDAM, dan pelatihan GIS/GPS. Sebagai tambahan, ESP juga menjalankan survai mengenai masalah-masalah sanitasi di Padang. Survai ini akan dipakai sebagai dasar perencanaan sanitasi berbasis masyarakat.

Sementara itu ESP Sumatra Barat juga berupaya membentuk forum multipihak untuk manajemen daerah aliran sungai meliputi ketiga wilayah aliran sungai di kota Padang. Dialog intens berdasar masalah dan komunikasi juga dijalankan melibatkan pemerintah kota Padang, Universitas Andalas, masyarakat perkotaan lokal, sekolah, dan LSM Sumatra Barat. Dialog ini berpuncak pada triwulan ini dengan dilakukannya loka karya dengan tema "dari hulu air mengalir, selamat kita di hilir."

Additional highlights in West Sumatra included:

- The implementation of Multi-Media Campaign #2, with the theme of, "Lingkungan Bersih, Bebas Banjir," or, "Clean Environment, Freedom from Floods";
- Working to build community awareness in Padang regarding environmental health, sanitation, and water, the "Padang Clean and Green" city campaign was held from August until December 2005.

West Java. Activities in the uplands of West Java continued to expand as ESP sought to protect critical sources of raw water for the region's burgeoning population centers. In Subang and Cianjur, for example, ESP completed an examination of land cover vegetation of the areas surrounding PDAM water intakes. Community rehabilitation activities for these critical watersheds are also well under way, including the establishment of community tree nurseries. Additionally, the hydrology and critical land surveys of the upstream areas of Subang and Cianjur were commenced, and a strategic watershed management plan is being developed with stakeholders from both districts.

PDAM assessments in the six districts and three municipalities in the catchment areas of Burangrang-Tangkuban Perahu and Gede Pangrango were also completed during this quarter. Currently a household survey is being conducted for several PDAMs located in the two catchment areas to obtain information regarding the needs of the community and the priority customer service issues. The household survey also represents an important step towards understanding the potential customer base and increasing PDAM revenue.

Regarding environmental finance activities, ESP is assisting with potential investments, tariff adjustments, and/or debt restructuring for PDAMs in Kota and Kabupaten Bogor. Similar discussions have also been conducted with the PDAMs of Kabupaten Bandung and Kota Cirebon. Importantly, ESP will have 5 candidate projects for DCA guarantees in West Java.

Pencapaian lain untuk Sumatra Barat antara lain:

- Pelaksanaan Kampanye Multi Media #2, dengan tema "Lingkungan Bersih, Bebas Banjir,";
- Bekerja membangun kesadaran masyarakat di Padang menyangkut kesehatan lingkungan, sanitasi dan air, kampanye kota "Padang Bersih dan Hijau" dijalankan mulai Agustus sampai Desember 2005.

Jawa Barat. *Aktivitas ESP di dataran tinggi Jawa Barat terus meluas untuk melindungi sumber-sumber air bahan baku yang kritis untuk pusat-pusat populasi di wilayah ini yang terus tumbuh. Contohnya, di Subang dan Cianjur, ESP menyelesaikan pemeriksaan vegetasi penutup tanah di wilayah-wilayah sekitar pipa air masuk PDAM. Kegiatan masyarakat untuk merehabilitasi daerah aliran sungai yang kritis ini juga sedang dijalankan, termasuk pembentukan pembibitan pohon oleh masyarakat. Sebagai tambahan, juga dilakukan survei hidrologi dan tanah kritis di wilayah hulu untuk Subang dan Cianjur, dan rencana strategis pengelolaan daerah aliran sungai sedang dikembangkan dengan para pemangku kepentingan di kedua Kabupaten tersebut.*

Penilaian PDAM di enam kabupaten dan tiga kota di wilayah tangkapan Burangrang-Tangkuban Perahu dan Gede Pangrango juga diselesaikan dalam triwulan ini. Saat ini sebuah survei rumah tangga sedang dijalankan untuk beberapa PDAM berlokasi di kedua wilayah tangkapan untuk mendapatkan informasi menyangkut kebutuhan masyarakat dan prioritas masalah layanan pelanggan. Survei rumah tangga ini juga mewakili langkah penting menuju pemahaman basis pelanggan potensial dan meningkatkan pendapatan PDAM.

Menyangkut kegiatan pembiayaan lingkungan, ESP membantu dengan investasi potensial, penyesuaian tarif, dan/atau restrukturisasi hutang untuk PDAM di Kota dan Kabupaten Bogor. Pembicaraan yang serupa juga telah dilangsungkan dengan PDAM Kabupaten Bandung dan Kota Cirebon. Yang lebih penting, ESP akan memiliki 5 kandidat proyek untuk jaminan DCA di Jawa Barat.

Additional Highlights in West Java/DKI Jakarta included:

- In Jakarta, ESP provided assistance to Mercy Corps in the development of a concept paper submitted to IDRC;
- Pending approval of the final proposal, Mercy Corps will receive a \$1 million grant from IDRC to address domestic waste water systems;
- The "Hand Washing with Soap" campaign was conducted by local community organizers with ESP support in Tamansari (District of Bandung) and Padalarang (Kota Bandung).

Central Java. ESP initiated start-up activities in the new High Priority Province of Central Java during the reporting period, including office identification, staff recruitment, field site selection, and collaboration with other USAID programs. The search for office space and the recruitment process for thirteen administrative and technical positions in Central Java are well underway, with six of these positions to be filled by current ESP staff from other provinces.

One of the most important activities undertaken in Central Java this quarter was the development of an integrated site selection process to identify the Integrated Priority Watershed for the first year of work. The Central Java Regional Advisor led a sixteen member multi-disciplinary team to develop and implement an approach for gathering information, reviewing literature, developing maps, conducting interviews, and making site visits to select an integrated watershed site. The Progo watershed, which cuts across the provinces of Central Java and Daerah Istimewa Yogyakarta, ranked the highest by all members of the site selection team for the first year of work.

Pencapaian lain untuk Jawa Barat/DKI Jakarta antara lain:

- *Di Jakarta, ESP memberikan bantuan bagi Mercy Corps dalam pengembangan proposal konsep untuk diajukan kepada IDRC;*
- *Sebelum persetujuan proposal akhir, Mercy Corps akan menerima hibah \$1 juta dari IDRC untuk menangani sistem air limbah rumah tangga;*
- *Kampanye "Cuci Tangan Dengan Sabun" dilakukan oleh penyelenggara dari masyarakat lokal dengan dukungan ESP di Taman Sari (Kabupaten Bandung) dan Padalarang (Kota Bandung).*

Jawa Tengah. ESP meluncurkan aktivitas awal dalam periode pelaporan ini di Jawa Tengah yang baru menjadi provinsi prioritas, termasuk mencari kantor, penerimaan staf, pemilihan lokasi lapang, dan kerja sama dengan program USAID lainnya. Pencarian kantor dan proses merekrut tiga belas posisi administratif dan teknis di Jawa Tengah telah berjalan, enam dari posisi ini diisi oleh staf ESP dari provinsi yang lain.

Satu aktivitas terpenting yang dijalankan di Jawa Tengah triwulan ini adalah pengembangan proses terpadu pemilihan lokasi untuk menentukan Daerah Aliran Sungai Prioritas Terpadu untuk tahun pertama pekerjaan. Penasihat Wilayah Jawa Tengah memimpin tim multi disiplin beranggota enam belas orang untuk mengembangkan dan mengimplementasikan pendekatan untuk mengumpulkan informasi, melakukan tinjauan pustaka, mengembangkan peta, melakukan wawancara, dan membuat kunjungan lokasi untuk memilih lokasi daerah aliran sungai terpadu. Daerah aliran sungai Progo, yang melintas provinsi Jawa Tengah dan Daerah Istimewa Yogyakarta, mendapat peringkat tertinggi dari semua anggota tim pemilihan lokasi untuk pekerjaan tahun pertama.

East Java. The ESP East Java team initiated a myriad of activities this quarter throughout the region. Watershed management highlights included community development in the priority Sumber Brantas sub-watershed area in Batu, the design and establishment of Batu community based nursery enterprises, and landscape reconstruction (as a means of combating human health issues) in Kel. Temas, Kota Batu. Additionally, ESP/East Java also held public consultations regarding the draft Perda on the issue of "Ridges to Reefs" Financial Transactions for Sustaining Environmental Services."

Regarding water utility assistance, a comprehensive system evaluation for PDAM Kabupaten Malang was undertaken. Also, in December, ESP sponsored a Muda (mid – management) Level training for PDAM managers in the region. The training involved 27 participants, including 4 women, from 17 PDAMs across the province. Finally, between 12 and 17 December ESP hosted a study tour for 6 participants from the PDAM in Kota Malang, Kabupaten Malang and Surabaya to four PDAMs in West Java to demonstrate how GIS can be used to improve the efficiency of water utility planning and management.

Additional highlights in East Java included:

- A 7 day study tour of sewerage treatment facilities in Malaysia for 10 senior local government officials in conjunction with our Malaysian partner IWK.
- Since September ESP has sponsored a community-based solid waste management project in Wonokromo. Progress in the last quarter has involved training of 59 community volunteers representing women's groups, housewives, the youth club and local garbage collectors.
- The "Handwashing with Soap" campaign commenced province-wide at the beginning of the fasting month in October in partnership with the East

Jawa Timur. ESP Jawa Timur meluncurkan banyak kegiatan pada triwulan ini di seluruh wilayah. Di bidang pengelolaan daerah aliran sungai meliputi pengembangan masyarakat di daerah aliran anak sungai Sumber Brantas di Batu, perancangan dan pembentukan perusahaan pembibitan berbasis masyarakat di Batu, dan rekonstruksi lanskap (sebagai cara untuk melawan masalah kesehatan masyarakat) di Kelurahan Temas, Kota Batu. Sebagai tambahan, ESP/Jawa Timur juga mengadakan konsultasi masyarakat menyangkut rancangan Perda tentang "Transaksi Keuangan Hilir-Hulu" untuk Jasa Lingkungan Yang Berkelanjutan."

Menyangkut bantuan bagi perusahaan air bersih, dilakukan evaluasi sistem menyeluruh bagi PDAM Kabupaten Malang. Selain itu, di bulan Desember, ESP mensponsori pelatihan Tingkat Muda (manajemen menengah) untuk manajer PDAM di wilayah ini. Pelatihan ini mengikutkan 27 peserta, termasuk 4 wanita, dari 17 PDAM di seluruh provinsi. Akhirnya, antara 12 dan 17 Desember, ESP mengadakan kunjungan studi 6 peserta dari PDAM di Kota Malang, Kabupaten Malang dan Surabaya bagi empat PDAM di Jawa Barat untuk menunjukkan bagaimana GIW dapat dipergunakan untuk memperbaiki efisiensi perencanaan dan pengelolaan perusahaan air.

Pencapaian lain untuk Jawa Barat antara lain:

- Kunjungan studi 7 hari fasilitas pengolahan air limbah rumah tangga di Malaysia bagi 10 pejabat senior pemerintah lokal bekerja sama dengan mitra kami di Malaysia, IWK.
- Sejak September ESP mensponsori proyek pengelolaan sampah padat berbasis masyarakat di Wonokromo. Kemajuan di triwulan terakhir antara lain pelatihan bagi 59 sukarelawan yang mewakili kelompok wanita, ibu rumah tangga, remaja dan pengumpul sampah.
- Kampanye "Mencuci Tangan Dengan Sabun" ke seluruh provinsi pada awal bulan puasa yakni Oktober, bekerja sama dengan Majelis Ulama Indonesia (MUI) cabang Jawa Timur.

Java Chapter of the Indonesian Ulama Institute (MUI).

- On November 15 ESP (in association with HSP, DAP, and the Mayor of Surabaya) hosted a visit by Mr. Jim Kunder, USAID Assistant Administrator for Asia and the Near East, William Frej Head of USAID Mission Jakarta, and other senior staff to the project site in Wonokromo.

Special Concern Imperative Areas

Notable highlights in Manado included the signing of an MoU with PDAM Manado, as well as the commencement of a household survey in support of the PDAM. Also, in Manokwari, ESP completed a water resource analysis for PDAM Manokwari. Main topics for the study cover current water sources, water use, sources of pollution, land issues and/or potential conflict and future potential.

PROGRAM MANAGEMENT & NATIONAL UPDATES

Program Management. The first quarter of Program Year 2 saw continued expansion of ESP into new locations, refinement of ESP management systems, and rollout of the ESP small grants program. Notable program management advances included the identification of a Bandung Office, additional customization of the ESP TAMIS, the development of an ESP Financial Guidelines and Controls Manual, an ESP GIS assessment, and the finalization of the ESP Performance Monitoring Plan.

Regarding public outreach and communications, ESP's second major multi-media campaign entitled, "Clean Environment, Flood Free Environment," was conducted in four High Priority Province (East Java, West Java, West Sumatra and North Sumatra) from November - December 2005. Together with Aman Tirta, ESP also began planning for Multi Media Campaign 3 – "Safe Water Point of Use" – to be implemented in East Java, West

- Pada 15 November, ESP (bekerja sama dengan HSP, DAP, dan Walikota Surabaya) menerima kunjungan Mr. Jim Kunder, Assistant Administrator USAID untuk Asia dan Timur Dekat, William Frej, Kepala Misi USAID di Jakarta, dan staf senior lainnya ke Wonokromo.

Kawasan Penting Lain

Catatan penting di Manado meliputi penandatanganan Nota Kesepahaman dengan PDAM Manado dan pelaksanaan survai rumah tangga untuk mendukung PDAM. Demikian juga di Manokwari, ESP menyelesaikan analisis sumber daya air bagi PDAM Manokwari. Topik utama studi meliputi sumber air saat ini, penggunaan air, sumber polusi, masalah tanah dan/atau potensi konflik dan potensi masa depan.

PENGELOLAAN PROGRAM & INFORMASI NASIONAL

Pengelolaan Program. Triwulan pertama dari Program Tahun ke-2 memperlihatkan kelanjutan perluasan ESP ke lokasi-lokasi baru, penyesuaian kecil dalam sistem manajemen ESP, dan peluncuran program hibah kecil ESP. Kemajuan pengelolaan program yang patut dicatat antara lain pencarian Kantor Bandung, penyesuaian tambahan pada ESP TAMIS, penyusunan Pedoman dan Manual Kontrol Keuangan ESP, survai GIS ESP, dan penyelesaian Rencana Pemantauan Kinerja ESP.

Dalam hal jangkauan masyarakat dan komunikasi, kampanye besar multi media kedua ESP berjudul, "Lingkungan Bersih, Lingkungan Bebas Banjir," dijalankan di empat Provinsi Prioritas (Jawa Timur, Jawa Barat, Sumatra Barat dan Sumatra Utara) dari November – Desember 2005. Bersama dengan Aman Tirta, ESP juga mulai merencanakan Kampanye Multi Media 3 – "Titik Pemakaian Air yang Aman" – yang akan dijalankan di Jawa Timur, Jawa Barat/DKI Jakarta/Banten, Sumatra Barat, dan Sumatra Utara untuk periode Januari – Februari 2006.

Java/DKI Jakarta/Banten, West Sumatra, and North Sumatra for period January - February 2006.

ESP also focused on long-term capacity building and team building. A three-day Watershed Management Workshop brought together WSM, GIS and Agroforestry staff to assess progress to date; develop plans to deepen and expand work in biodiversity conservation, reforestation and raw water resource conservation; and strengthen integration with ESP's Service Delivery and Municipal Finance teams as well as USAID partners. A similar workshop for the Service Delivery Team is scheduled for February 2006. ESP also provided training to staff on administrative and financial management procedures in order to ensure efficient program implementation.

National Highlights. During the third quarter, a concept paper was commissioned by Municipal Finance Team to determine whether the Government of Indonesia (GOI) would actively support the creation of an Indonesia Water Revolving Fund (IWRF). The basic purpose of the IWRF, as conceived by this study, is to improve access to long-term financing to regional providers of water, sanitation and other environment-related services. Since the concept paper is almost finished, a series of discussions will be held with GOI officials during the first two months of 2006 to determine interest.

Also during the third quarter, the Municipal Finance Team initiated an analysis of the micro-financing of consumer water connections in Tanah Datar pursuant to a cooperation agreement entered into between the municipal water supply company of Tanah Datar district in West Sumatra (PDAM Tanah Datar), and a commercial bank, PT. Bank Rakyat Indonesia (Persero) Tbk (BRI). The aim of the report is to understand how the program is faring and to assess BRI's interest in expanding the program to all of Sumatra and Java under a cooperation agreement with ESP.

ESP juga berfokus pada pembangunan kapasitas jangka panjang dan pembangunan tim. Loka karya tiga hari Pengelolaan Daerah Aliran Sungai menyatukan staf WSM, GIS dan Agroforestry untuk menilai kemajuan sampai saat ini; mengembangkan rencana untuk memperdalam dan memperluas pekerjaan dalam pelestarian keanekaragaman hayati, penghutanan kembali dan pelestarian sumber daya air bahan baku; dan memperkuat keterpaduan dengan tim Pemenuhan Layanan dan Keuangan Pemerintah dalam ESP, juga dengan berbagai mitra USAID. Lokakarya serupa untuk Tim Pemenuhan Layanan dijadwalkan pada Februari 2006. ESP juga memberikan pelatihan untuk prosedur manajemen administratif dan keuangan untuk menjamin pelaksanaan program secara efisien.

Pencapaian Nasional. Pada triwulan ketiga, proposal konsep Tim Keuangan Pemerintah Kota diminta untuk menentukan apakah pemerintah Indonesia perlu mendukung secara aktif pembentukan Dana Bergulir Air Indonesia (Indonesia Water Revolving Fund – IWRF). Tujuan Dasar IWRF, seperti dihasilkan penelitian ini, adalah memperbaiki akses bagi pembiayaan jangka panjang untuk penyedia air regional, sanitasi dan layanan lain yang berkaitan dengan lingkungan. Karena proposal konsep ini hampir selesai, sejumlah pembicaraan akan dilakukan dengan pejabat pemerintah sepanjang dua bulan pertama 2006 untuk menentukan minat.

Selain itu sepanjang triwulan ketiga, Tim Keuangan Pemerintah Kota meluncurkan analisis pembiayaan mikro bagi pelanggan sambungan air di Tanah Datar berdasarkan perjanjian kerja sama yang diadakan antara Perusahaan Daerah Air Minum Kabupaten Tanah Datar di Sumatra Barat (PDAM Tanah Datar), dan bank komersial, PT. Bank Rakyat Indonesia (Persero) Tbk (BRI). Tujuan dari laporan ini adalah untuk memahami bagaimana kemajuan program ini dan menilai minat BRI dalam memperluas program tersebut ke seluruh Sumatra dan Jawa melalui perjanjian kerja sama dengan ESP.

SECTION 2

ESP REGIONAL UPDATES

INTRODUCTION

In this Section, we present a more detailed account of the Program's activities and achievements during this quarter. This Section is divided into the following Subsections:

- Section 2.1 Nanggroe Aceh Darussalam**
- Section 2.2 North Sumatra**
- Section 2.3 West Sumatra**
- Section 2.5 Central Java**
- Section 2.6 East Java**
- Section 2.7 Special Concern Imperative Are**

SECTION 2.1.

NANGGROE ACEH DARUSSALAM

INTRODUCTION

Aceh rolled out a full and integrated program during the months of October through December 2005. The program was able to scale up activities in an unprecedented manner because, as one technical expert remarked, “We now have all of our tools”. By this he meant that ESP/Aceh now possesses a fully functioning office (with an improved internet connection integrating the office into the program management system) and a fully mobilized technical team. In addition, ESP/Aceh has been able to maximize inputs from short-term technical assistance to support activity development and implementation, and has mobilized a GIS unit. ESP/Aceh also identified a communications team which should be mobilized by mid-January.

During this quarter ESP Aceh moved from an almost exclusively PDAM-based program to a more balanced program that includes community-based activities. The leading edge of this expansion of community activities was the cooperative efforts of ESP and the Health Services Program (HSP). This cooperation resulted in the renovation of four health facilities in as many villages and in-depth participatory village assessments in support of community service delivery (SD) and environmentally sustainable design (ESD) activities.

The Watershed Management (WSM) team completed preliminary surveys of villages in the DAS Krueng Aceh and DAS Sabe-Gepu. (Several west coast watersheds stretching from Calang in the south to Leupung in the north are grouped under this DAS.) These surveys established a list of potential villages for WSM and SD community based activities. A combined SD-WSM team conducted a fully integrated Sustainable Livelihoods Assessment of Blang Lambaro in the village of Saree Aceh in Aceh Besar. This community was identified as the site for the first “mini-ESP” program in Aceh, with activities that include renovation of a community clean water distribution system and an agro-forestry education program.

ESD activities took place in Meuraxa in combination with LGSP and in Lamkruet where ESP is working with three other NGOs: Atalas Logistique, Habitat for Humanity, and Dompét Dhuafa. Meuraxa activities included working with a combination of NGOs who are trying to develop spatial planning for villages in the sub-district. In Lamkruet, a waste-water garden communal sanitation pilot was designed for the village.

While the above community activities were rolling out, ESP Aceh deepened its support of the PDAMs in Banda Aceh, Aceh Besar and Aceh Barat (Meulaboh). The work in Aceh Besar resulted in one of its water treatment plants, Siron II, replacing the energy expensive General Electric reverse osmosis mobile plant as the main provider of water for temporary living centers (TLCs) in the Banda Aceh-Aceh Besar area. The GE plant has been closed by UNICEF.

REGIONAL ACTIVITIES

From Health Facilities to Community Action. The ESP-HSP cooperative renovation and rehabilitation of 11 health facilities in coastal Aceh Besar and the city of Banda Aceh cemented a close working relationship between the two programs. By common agreement,

ESP and HSP decided to renovate the facilities in two stages. During the first stage, four facilities in the villages of Nusa, Lam Ateuk, and Lamgaboh, Aceh Besar, and Mibo, Banda Aceh, were selected for renovation. By November ESP technical staff completed detailed designs and drawings including budgets for the sites. ESP renovated water, sanitation, and on site drainage systems as well as provided new solid waste facilities. The first stage of works was completed prior to the anniversary of the tsunami at a cost of around US \$8300. The second stage will begin in early January.

While physical works were in progress, the SD community team swung into action. Six recent university graduates were recruited and trained in participatory research (PRA) techniques. The six, led by an ESP community specialist, conducted participatory assessments of the villages in which health facilities were being renovated as well as in Lamkruet village. Over 30 people from each village participated in the assessment.



ESP BANDA ACEH/NANGGROE ACEH DARUSSALAM

ESP and HSP are currently working together to rehabilitate 11 community health facilities in Aceh, such as the facility pictured above.

The assessments were a bit trickier than a normal PRA activity. First, four of the villages were either completely or partially inundated by the tsunami. Second, in the tsunami stricken villages, significant numbers of residents are living in TLCs. Third, these villages are in the throes of trying to re-establish a community and the assessment had to help this process. Fourth, the assessment had to result in a ranking of the villages to allow for ESP to determine its overall allocation of resources and assistance.

Assessment activities began in late November in Lamkruet where over 30 people gathered in a renovated mosque to assess their village and determine how ESP could help them. For three days in each of the five villages people mapped their village, analyzed strengths and problems, and developed an inventory of issues that need solutions. Each village group prepared presentations for a workshop that was held on the 24th of December. Presentations compared the pre- and post-tsunami situation in each village. The goal of the workshop was to establish a ranking of the condition of the respective villages, and each of the villages face some desperate conditions. In the case of Mibo, a village untouched by the tsunami, those conditions were brought on by years of institutional neglect and conflict. In the case of Nusa, the conditions were a direct result of the tsunami. In the end, the people participating in the workshop, five people from each of the five villages plus village leaders and sub-district leaders established the ranking. Lamkruet led in desperation followed by Nusa, Lam Ateuk, Lamgaboh, and Mibo.

The ranking will allow ESP to allocate its resources in these villages. Lamkruet and Nusa will have more intensive programs while the next two will be less intensive. Mibo, untouched by the tsunami, will receive the least amount of direct assistance. Amongst the activities that ESP will conduct in these villages is the development of proposals to be funded by donor

agencies or NGOs. UNICEF, for example, has a funding program dedicated to assist community-based organizations (CBOs) related to water and sanitation issues.

Setting the Process: A Training of Trainers in Sustainable Livelihoods Assessments.

A combined Watershed Management/Service Delivery/Environmentally Sound Design training of trainers (ToT) in Sustainable Livelihoods Assessment was conducted in Blang Lambaro, part of Saree Aceh village, Lembah Seulawah Sub-district, Aceh Besar District. Saree Aceh is near the north coast of Aceh on the slopes of Mt. Seulawah, an extinct volcano. Most of the forests were cut long ago and alang-alang took hold. In many areas one feels like one is in the savannahs of Africa. The soil is very dark, and appears fertile. There are 120 households in Blang Lambaro and none of them have access to water except those located near a single irrigation ditch. Only 19 houses have septic systems. Water comes from a spring that is located in a protected forest area. The people of Blang Lambaro grow at least 12 types of tree crops plus corn, chilies, cassava and several different types of tubers. Houses are located in the fields that families farm, not in a central area with fields surrounding them. The area has been the site of intense conflict over the years. In the early part of the 20th century the Dutch poisoned the spring killing hundreds of families. Resettlement was gradual, and by the 1990s the population was almost 90 % Javanese in origin. With the conflict that began in 2000, houses were abandoned as people moved to safer locations. Those people that re-located nearby continued to work their fields while other people left the area completely. Over the last six months, people have moved back to the community. Today the population is evenly split between Javanese and Acehnese.

The goal of the ToT was to set up an assessment process that would discover more than the above short account. Sustainable Livelihoods Assessments (SLA) are a holistic assessment of five asset complexes: human capital, financial capital, social capital, physical capital, and natural capital. The goal of the SLA is to assess these assets in a participatory manner with a community and with that community begin the process of planning actions that build on the strengths of a community to enhance the weaknesses of the community. Many of the methods used in and SLA are based in PRA and not unlike the processes employed in the ESP-HSP villages. Community members made maps of their natural and physical assets. Other activities uncovered information about other assets. Participatory analysis of the results of the activities produces a holist analysis that not only helps in activity planning but helps bring to light paths that can be followed to build on strengths to solve problems in the community.

Besides establishing a common understanding of SLA amongst members of the WSM and SD team the ToT was conducted with at least three other goals in mind:

1. To build a single team out of separate technical teams, WSM, SD, and ESD;
2. To develop a shared strategy for selection, assessment and community activities in Aceh;
3. To work in a “live” situation and, with the help of a community, develop a plan for integrated ESP activities in the village.

These goals were achieved. The various ESP teams discovered that they share a common vision and common concerns; that they can work together. In many ways the Environmentally Sound Design (ESD) perspective pulled together the Service Delivery (SD) and Watershed Management (WSM) perspectives. The people of Blang Lambaro have a problem with water. The SD folks worked on that and the WSM folks looked at the issue from a water resource perspective. The ESD perspective brought the two together in a workable and sustainable design that will be further elaborated with the people of Blang

Lambaro. The SD component helped participants to examine their agricultural potential and the WSM component deepened this analysis which will serve as the basis for an eventual agro-forestry field school. These two activities will serve as the foundation for ESP Aceh's "mini ESP" Blang Lambaro.

OTHER HIGHLIGHTS

The following are additional highlights from ESP activities in Aceh during the reporting period. Some of the stories have been told elsewhere in Bi-weekly Updates and ESP News. Some have been the sites of continuing visitation by USAID friends, US Government auditors, and other partners.

- **Lamkruet.** Work continued in Lamkruet. Short-term technical assistance (STTA) provided a detailed design for a communal sanitation system and worked with the SD team and community to lay out a plan for drainage and rehabilitation of the village habitat. ESP signed an MOU with SAB-SAS (a collective of Dutch water companies) for the use of a self-contained water treatment unit that will provide cheaper clean drinking water for the people of Lamkruet. This will resolve a long standing conflict among community members related to access to clean water. Three other NGOs continue to cooperate with ESP in this work to help the 274 households of Lamkruet transition from TLCs to new houses.
- **Hydrology/Water Resource Protection.** A hydrology STTA completed a literature survey concerning the hydrology and geology of the region; conducted a two-day field parameter survey of the Krueng Aceh watershed with ESP staff and NGO personnel; analyzed a pollution study conducted by two NGOs (MAPAYAH and PeNA); prepared a "sampling and analysis plan" for water quality study of the Krueng Aceh; and prepared a "Field Sampling Manual" to ensure that samples for the water quality study are taken consistently with analytical procedures.
- **Cooperative Agreements.** Intense negotiations to find a way to work together took place with at least three other groups: American Red Cross, Community, Habitat, Finance (CHF is a USAID partner) and CARE. In principle, ESP has agreed to work with each of these groups. The modalities of cooperation will be worked out as we actually cooperate together.
- **Surveys.** By the end of the year, villages along the west coast and in the Krueng Aceh watershed had been surveyed by both WMS and SD teams. This assessment ranks potential sites for SLAs and intensified support from ESP.
- **More on ESP-HSP.** The MOU with SAB-SAS gives ESP the right to use two self-contained water treatment units. The second will be placed at the PUSKESMAS in Lhoong Village in Lhoong Sub-district, Aceh Besar. This PUSKESMAS is one of the facilities to be renovated by ESP-HSP. The well at this site is next to the septic tank and is contaminated by ecoli bacteria, a problem that the treatment unit will address.
- **The Watsan Assessment.** ESP, in response to a BRR and UNICEF request, has been assessing the status of the water and sanitation infrastructure in Aceh Besar and Aceh Jaya. To date the assessment has come up with not only with needs, but also clear proposals regarding infrastructure issues. (For example, a sub-district based solid waste collection program with decentralized landfills.) The ESP assessment team has helped

IRD organize and implement its assessment in Aceh Barat and Nagan Raya.

- **Water Quality.** Laboratory equipment was delivered to the PDAMs in Aceh Besar and Banda Aceh. The cost of the equipment was about US \$10,000 per lab. Training was conducted on use of the equipment for PDAM staff and seconded staff (12 men and 2 women). A condition for provision of this equipment was a permanent site in which to put the equipment. The Lambaro water treatment plant (WTP) in Banda Aceh had a lab and equipment was installed there. The PDAM of Aceh Besar constructed a lab with their funds to accommodate the equipment at Siron II WTP. The PDAM in Meulaboh will complete construction of a lab (funded by the local government) in mid-January.
- **PDAM Crisis.** Tirta Meurebo in Meulaboh was faced with a crisis when the PLN decided to call due unpaid electric bills for the last six months. The PDAM was faced with shutting down its services or finding a way to pay for the electricity. ESP assisted the PDAM in presenting its analysis of the situation and suggested actions to the District Head, Oxfam, UNICEF and BRR. The crisis was settled with the decision that UNICEF would pay the bills.
- **SPD Lessons.** SPD hosted an afternoon workshop for WSM staff on lessons learned of community work in Aceh. The focus of the activity was to provide insight into what works and does not work. The following day ESP went to the field with SPD staff to observe village assessment workshop.
- **PDAM Training:** Budgeting, investment analysis and customer relations training was delivered to 46 staff of the PDAMs in Banda Aceh, Meulaboh and Aceh Barat (34 men and 12 women). Water quality training was provided to the six people (4 men and 2 women) seconded to the three PDAMs in Aceh.

SECTION 2.2.

NORTH SUMATRA

INTRODUCTION

By the first quarter of Program Year 2, the ESP Program in North Sumatra began to build up, out, and across the foundations established during the first program year. Whereas the first part of the year had been spent getting components established, staffed, and operational; the last months of 2005 saw a great increase in organizational, individual, and issue-based integration of components within specific activities. This quarter also witnessed the scaling-up of certain activities via ESP networks such as ecological agriculture in Deli Serdang and community tree nurseries via KERINA, and the scaling-out of activities to new areas such as Service Delivery technical support to PDAMs in Karo and Langkat.

This evolution fits with the general strategy for ESP North Sumatra in calendar year 2006: internally consolidate and integrate program components while deepening and expanding (scaling-up and scaling-out) the activity base.

REGIONAL ACTIVITIES

A Joint Effort for PDAM Tirtanadi Corporate Planning. The ESP North Sumatra team, led by the Municipal Finance group and the Service Delivery Team, assisted Tirtanadi over the last quarter to complete a draft of their 5 year corporate plan. The process bought into play most components of ESP:

- The Watershed Management team worked with Tirtanadi to develop sections on raw water conservation for the corporate plan. Further, Tirtanadi became involved with the Multistakeholder Watershed Forum, and hosted a meeting for 75 participants from both upstream and downstream.
- Since the Corporate Plan also includes plans for a tariff increase, a special team at Tirtanadi requested the assistance of the ESP Public Outreach and Communications team to assist in creating public dialogue on the issue. Tirtanadi staff and the ESP generated “Environmental Journalists Network” held a forum on drinking water related issues. More issue-based public forums on the drinking water issue are planned for early 2006.

Using Tariffs to finance upstream water conservation – Tirtanadi incorporated in its draft Corporate plan a scheme that would set aside Rp.10 of the charge for each cubic meter of water sold for funding upstream water conservation programs. These funds, estimated at up to Rp. 1 billion annually, would be channeled into various initiatives, including funding programs of the Multistakeholder forum of which Tirtanadi is a member.

Harvesting a Range of Benefits: *Save Water, Guard Human and Environmental Health, Increase Farmer profits.* In Deli Serdang the Farmer Field School for Ecological, Water-Saving Rice Production held its Field Day and began expansion activities. In attendance, besides a large number of local farmers and NGO representatives, were Officials from Provincial BAPPEDALDA and representatives from Public Works (Water Resources), Agriculture, Forestry, and Health. Additionally, the KERINA network was in full force with

representatives from urban health and water groups such as Sunggal Women's Union of Medan and Sibolangit's Community Forum for River Preservation (FMPS).

The Ecological Rice Production approach was proven to:

- Eliminate chemical fertilizers and pesticides, and hence reduced to zero the risk of acute human poisoning as well as chemical pollution of the watershed. Soil fertility and stability is also improved through increased organic matter.
- Reduce the water requirements for irrigated rice by 30%, an important efficiency because irrigated rice is the largest user of fresh water resource;
- Reduce the amount of seed required by 80%;
- Increase production by 25%;
- Reduce overall costs by 20%.

The benefits of Ecological Rice Production – The Ministry of Public Works has declared a National Movement to Protect Water Resources, and within this the Ecological Rice Production Approach (often termed SRI = System of Rice Intensification) is posited as one method to improve water efficiency. This approach also has health benefits as well as returning the ecological filter function of rice fields within watersheds. Instead of increasing chemical loads on the environment, rice fields can serve as purifiers of water resources. ESP has on its staff several of the pioneers of this approach in Indonesia.

Additionally, the Farmer Field School approach builds community capacities in group organization, facilitation, and experimentation. Already, facilitators from this group are helping others such as *KERINA* in the Deli upper watershed and also urban groups in the organization of waste management.

The Ecological Rice Production program is now being spread by Farmer Trainers to 4 sub-districts in Deli Serdang and to upper watershed areas, while agricultural officials from West Sumatra have made a commitment to implement the approach to reap the water, health, environmental, and economic benefits.

OTHER HIGHLIGHTS

The range and number activities this quarter increased significantly from previous periods, and this expansion will hallmark 2006 as the North Sumatra program moves entirely from the establishment phase to scaling-up. A few of the more integrated activities undertaken during the last quarter are highlighted below.

- **Ridge to Reef with Women.** Plans were made with stakeholder groups from *Kerina* in the Karo Highlands to *Forum Perempuan Sunggal* in urban Medan to launch a joint workshop on shared issues in early January 2006. Issues addressed will include family health and hygiene, environmental sanitation/trash problems, and practical solutions such as composting and community gardening/community nursery development.
- **Journalists Listen and Learn in Villages.** The Environmental Journalists network visited both upstream villages as well as urban river bank communities to see how ESP linked upper and lower watershed issues. Journalists overnights in villages and held discussions with villagers and with local ESP network *KERINA*.

- **Social Documentary from Hulu to Hilir.** An integrated ESP team including GIS, Health and Hygiene, WSM, Agro-forestry, and Communications specialists worked with social documentary film maker Rob Nugent to make a series of short films encapsulating the 'Ridge to Reef' concept of ESP, starting from the headwaters of the Deli River in the Karo District mountains, through dense urban riverbank communities, and finally to coastal communities dependent upon



Rob Nugent, a Social Documentary film maker, was shooting activities of ESP's health and hygiene at one of its project site.

- mangrove forests for their livelihoods. These films will contribute to a longer-term ESP plan of longitudinal studies, or films that will track ESP partners over the life of the project to monitor and evaluate impact and change.
- **Tree Nursery Program Expands.** As a follow-up to the Sustainable Livelihoods Assessment in Karo and Deli Serdang, *KERINA* has carried out integrated community nursery and community sanitation activities in 6 villages. This program has involved a number of NGO partners and involves health and hygiene as well as agro-forestry issues.
- **Efforts begin to address the TAHURA Bukit Barisan.** A number of linked efforts have begun to address the 51,000 ha Bukit Barisan Grand Forest Park. Meetings and workshops have been held with the Forest Service and the DPRD at the top, while (to promote grassroots participation) ESP supported Yayasan Leuser Lestari (YLL) to undertake a community attitudes survey and Yayasan PALAPA to conduct a training for facilitators from 5 TAHURA villages for community based conservation. Conservation International and YLL have also submitted a proposal to address bio-diversity and collaborative management issues for TAHURA Bukit Barisan.
- **Four Initial Small Grants cover the range of ESP activities.** The first four small grant programs—which also represent ESP's 'Hilir-Hulu' approach—became operational this quarter. One grant is for bio-diversity and community forest nurseries in the upper watershed, two grants deal with urban water supply and health and hygiene, and a final grant addresses coastal protected areas and community mangrove forestry.

- **Japan (JBIC) – American (USAID-ESP) Development Cooperation on Solid Waste Management Moves Forward.** ESP completed a household survey in the community on the Percut River where JBIC-ESP collaboration will take place. The survey included focus groups discussions as well as a household survey, and transect walks with local leaders. Local community facilitators have been identified and are working with ESP to begin organization of solid waste management activities. A one year plan for organizing and training in 2006 has been established based upon the survey. ESP also began collaboration with NGO 'Bis Peduli' that specializes in urban plastic recycling. Women from the neighborhood will take part in a 'hulu-hilir' gender issues training in January that will bring together female participants from a range of local communities to work on common issues. During the quarter two high level delegations have visited the site and held discussions at ESP, the latest being a team dispatched by JBIC Japan. This team included Professor Masuru Tanaka, Mr.Susumu Shimura, and Mr. Yoichi Yamamoto who met with the ESP team and local facilitators and visited the site.
- **Boundary Villages near TAHURA Bukit Barisan in Karo undertake Environmental Training.** ESP and the Karo District Forestry Service supported a training organized and implemented by local NGO PALAPA for a 30-person village cadre from 5 TAHURA Bukit Barisan. The training covered a range of topics including forest park conservation, identification of forest problems, understanding of local fauna and flora, management of solid waste, and follow-up planning for activities in each community. This is part of ESP's ongoing work with border/boundary communities surrounding the Bukit Barisan Great Park.
- **ESP Reaches Agreement for Community-Bases Sanitation in Medan City and Deli Serdang.** After a series of presentations and joint discussions between ESP, BORDA, and local governments Medan and Deli Serdang, agreement has been reached and candidate sites selected for the implementation of community-based sanitation pilot programs in each area. Importantly, in each area the agreement also includes a pledge from each respective government to include 50% of the physical building costs of the facility in the 2006 budget. Technical agreements between ESP and each local government are now under preparation.

SECTION 2.3

WEST SUMATRA

INTRODUCTION

ESP West Sumatra has three main goals; (1) expand access for the urban poor to an improved water supply, (2) improve management and conservation of water resources, and (3) improve sanitation. In order to move forward toward these goals, ESP West Sumatra has focused upon Padang Municipality in order to achieve the depth and concentration of resources requisite for a solid impact. The ESP West Sumatra program addresses the three watersheds in which the Padang municipality is situated: Batang Kuranji, Batang Air Dingin and Batang Arau. This comprises a compact, yet complete, working tableau for ESP.

In the upper watershed areas, ESP has facilitated community participatory livelihoods assessments in ten villages to date. The communities involved subsequently launched the Forum PEDAS Kota Padang (Water Catchment Community Forum).

In down stream areas, ESP facilitated the strengthening of the PDAM through a variety of activities, such as a customer satisfaction survey (CSS) and the development of the technical corporate plan team. The results of the CSS showed that, in the eye of the public, the PDAM's services require serious improvement. Additionally, ESP also carried out a survey on sanitation issues and conditions in Padang municipality. This survey will serve as the basis for community-based sanitation planning.

Meanwhile, ESP West Sumatra also worked hard to establish a multi-stakeholder forum for watershed management encompassing all three river basins in the municipality of Padang. Intense issues-based dialog and communication was conducted with the Padang municipality government, Andalas University, local urban communities, schools, and West Sumatra NGOs. An integrated series of discussions was bundled into a multi-stakeholder workshop entitled "Dari hulu air mengalir, selamat kita di hilir" (*The water comes from upstream, providing for the welfare of those downstream*). The participants of the workshop determined the necessity for a multi-stakeholder forum on watershed management in Padang municipality. They are also exerting pressure for improved municipal water services.

REGIONAL ACTIVITIES

Improving PDAM Corporate Planning with GIS technology. Provision of assistance to the corporate planning process is currently the main focus of activity with PDAM Padang. Additionally, technical and motivational training for PDAM staff is planned. The corporate planning processes will also be assisted in a more limited manner in Bukittinggi and Solok districts. Customer Satisfaction Surveys have been supported in Padang, Bukittinggi, and Solok. Survey results were exposed to public dialogue through multi-stakeholder workshops. Throughout the process, ESP West Sumatra worked in collaboration with the Environmental Science Faculty of the Andalas University, the Association of Environmental Engineers (IAPTI), the Social Service Bureau of Andalas University, and the Institute for Industrial technology.

ESP also supported the PDAM in improving their analysis of survey results with GIS spatial planning methods to provide a clearer presentation of data to the public within the 14 areas

serviced by the PDAM. GIS can be used to pinpoint problems via geographic displays of information from the customer satisfaction survey. Information technology can also be useful to improve the efficiency of management by helping to identify problem areas in terms of water loss, metering problems, payment issues, etc.

Finally, application of GIS technology can be used as an advocacy tool in urging PDAM Padang to increase access to water for the poor through increased provision of 'social connections' and public taps. With GIS, the current 531 social connections in poor communities can be visually plotted to help in targeting these communities for further assistance so that more of the poor gain access to adequate clean water. Furthermore, this identification of water access issues can help focus community-based sanitation activities in order to maximize impact.

During the final quarter of 2005 ESP provided GIS and GPS training to the Padang PDAM, and training will continue through January 2006. Through this assistance the PDAM hopes to develop its own GIS system for an array of planning, management, and monitoring purposes.

Coming Together for Watershed Management and Conservation. The Padang Municipal area presents a uniquely appropriate setting for ESP Watershed Management activities. The city boundaries encompass the mountainous Bung Hatta Great Park and the Barisan I Nature reserve, as well as agro-forestry and agricultural areas directly feeding the three main rivers that flow through Padang to the sea. These rivers are also the primary sources for drinking water for the entire population of Padang. From the top of the mountains to the coast the distance is only 12-15 kilometers. This proximity makes '*hulu-hilir*' linkages much more immediate and tangible.

Rural Communities take the lead. As in other ESP provinces, a concerted effort was made to ensure that local communities would have full 'voice' in any planning processes for watershed management. ESP conducted a participatory sustainable livelihoods assessment with ten villages from across the three Padang area watersheds. After training, villagers themselves conducted livelihoods assessments in their respective villages and then came together to compare their analyses and their experiences. In all, over 300 community members took place in the assessment over a six week period. The results of this assessment, including tentative activity plans for local watershed management, formed the basis for discussion at the multi-stakeholder watershed management forum.

The PEDAS forum is now up and running and making plans for work in each of the 10 villages across 3 river watersheds. The PEDAS forum has presented the results of its assessment to the Padang Municipal government, to related technical agencies, to the private sector including PDAM and major industry Semen Padang, and to various NGO's in West Sumatra. One of the first activities carried out by the PEDAS Forum was the release of fish fingerlings in the '*lubuk larangan*' (traditional protected river area/no catch zone) of Balai Gadang village in Lubuk Minutun sub-district.

All the major players get involved. Building upon the momentum generated at the community level, NGO's, Government Agencies, schools, and representatives from all the villages of the participatory assessment gathered together for the Watershed Management Multi-stakeholder Forum. Held in late December, this forum was facilitated by ESP with the theme "*Dari hulu air mengalir, Selamat kita di hilir,*" or, "The water flows from upstream areas to provide for our downstream welfare." The workshop was attended by 95 participants, and laid the foundation for participatory environmental management.

OTHER HIGHLIGHTS

- **Conservation Area Scoring.** In Padang municipality, conservation area scoring was carried out by ESP West Sumatra in collaboration with BKSDA SUMBAR. Satellite data series and LANSAT photos were collected to check the latest conditions within the water catchment area. Three main water catchment areas have been mapped. In terms of protected areas in Padang Municipality, Barisan I Nature Reserve and Bung Hatta Grand Forest Park are important to water resources, biodiversity, and life support system. The total area of protected forest in Padang municipality is 12,850 hectares and 1,285 hectares (10%) is classified as critical lands.
- **Community based sanitation partnership gets approval.** The community-based sanitation program in Padang municipality is an integrated activity between ESP, BORDA, Andalas University, and the Padang municipal government. A sanitation survey was conducted in October. The result of the survey was the generation of basic data concerning Padang municipality's sanitation system condition. This data base will be presented through map- based GIS technology. These maps can help to pinpoint appropriate locations for pilot projects in community based sanitation systems while underpinning the strategic planning for Padang's municipal sanitation system development.

Letters of Interest received from Bukittinggi and Padang – ESP West Sumatra received two letters of interest (Lol) from Bukittinggi and Padang municipality governments regarding participation in ESP's sanitation program. A Lol represents the first step towards cooperation between the respective municipalities and ESP to carry out a municipal sanitation program. Bappeda Padang municipality head Mr. Emzalmi stated that Padang municipal government has prepared supporting funds for facility construction. The Padang municipality has prepared IDR 200 million for construction, IDR 100 million for coordination, and IDR 50 million for sanitation mapping and pilot projects of community based sanitation systems.
- **Clean Environment, Freedom from Floods: Multi Media Campaign (MMC) #2.** Implemented from October through December, the theme of the second multimedia campaign was, "Lingkungan Bersih ,Bebas Banjir," or, "Clean Environment, Freedom from Floods." The multimedia campaign was carried out to highlight the issues of garbage and city drainage management in Padang. Local media were strategic partners in the implementation of the campaign. The selection of the campaign theme complemented the 'Padang Clean and Green' campaign, a simultaneous effort to support Padang's bid to be named as one of the cleanest municipalities in South East Asia. The campaign activities comprised:
 - Routine communication with journalist and media;
 - Banner campaign in high risk flooding sub district;
 - Public seminar of "Padang municipality flood control;"
 - Recycling creativity parade involving Senior High Schools in Padang;
 - Radio talk show, (6) Radio jingle advertisement: Lingkungan bersih bebas banjir (one dialog in Minang language and five monolog in Bahasa);
 - Press conferences; and
 - Journalist field/site visits.

This campaign generated 18 published news articles, 23 photographs, 3 caricatures in printed media (Padang Ekspres, Singgalang, Posmetro, Haluan, The Jakarta Post) 450

advertisement spots, and 11 radio news spots on two stations (Kuranji FM and ProNews FM).

- **Padang clean and green city campaign.**

Working to build community awareness in Padang regarding environmental health, sanitation, and water, the Padang clean and green city campaign was held from August until December 2005. The campaign included the following activities:

- Trees planting movement by Padang students, Dinas Kebersihan dan Pertamanan Kota Padang, communities, FKKM West Sumatra, etc;
- Environmental photo competition in association with Aji Padang. 147 photos were submitted to the review committee;
- “Letter to the Mayor” composition contest wherein 196 students entered letters (See news clipping at right from the Jakarta Post);
- Healthy school competition involving 10 Senior High Schools in Padang;
- Public dialogue and Expo held on 20 – 22 December 2005 in Taman Budaya West Sumatra. The expo and public dialogue was held in collaboration with Studio 42C, Aji Padang, ProNews FM and Padang Municipality Government. The expo was attended by 5,000 people.



SECTION 2.4

WEST JAVA & DKI JAKARTA

INTRODUCTION

Working with stakeholders, NGOs, local governments, universities, and the private sector, ESP's watershed management, biodiversity conservation, and water supply and sanitation activities are progressing at a rapid pace across West Java and DKI Jakarta.

In an effort to protect critical sources of raw water, important watershed areas have been identified in two initial districts of Subang and Cianjur, and a series of maps to target watershed priority areas have been prepared. Surveys and identification of land cover of the areas surrounding PDAM water intakes for Subang and Cianjur were also completed this quarter, and community rehabilitation activities for these critical watersheds are well under way. Additionally, the hydrology and critical land surveys of the upstream areas of Subang and Cianjur were completed and a strategic watershed management plan was developed for both kabupatens.

PDAM assessments in the six kabupatens and three municipalities in the catchment areas of Burangrang-Tangkuban Perahu and Gede Pangrango were also completed during this quarter. Currently a 'household survey' activity is being conducted for several PDAMs located in the two catchment areas to obtain information regarding the needs of the community and the priority customer service issues. The household survey also represents an important step towards understanding the potential customer base and increasing PDAM revenue.

Regarding environmental finance activities, DCA application and tariff adjustment and/or debt restructuring with the PDAMs of Kota and Kabupaten Bogor are in process. Similar discussions have also been conducted with the PDAMs of Kabupaten Bandung and Kota Cirebon. Importantly, ESP will have 5 candidate projects for DCA guarantees in West Java. Potential candidate projects will be reviewed over the next 6 months with a DCA specialist scheduled to arrive in the USAID/Indonesia early in 2006.

REGIONAL ACTIVITIES

Restoring Degraded Lands in Subang and Cianjur. A major focus of activities in West Java during the reporting period was the rehabilitation of degraded lands in Subang and Cianjur. Indeed, an emerging priority of PDAMs Kabupaten Subang and Cianjur is to increase their raw water intake capacity through the rehabilitation of degraded and critical lands. In this regard, ESP is working with local governments, communities, PDAMs, and NGOs to restore the integrity to these important watersheds.

Kabupaten Subang. With the completion of the participatory sustainable livelihood assessment in the upper watershed areas of Subang (a process that included approximately 350 people from 7 villages), local communities are moving boldly forward with their watershed management programs. A community nursery center, for example, was established to supply tree seedlings to be planted in degraded lands, including those in the village of Cijambe. Importantly, the spring in Cijambe is the water source for the PDAM Kabupaten Subang. Of the 125 Ha of critical land in Cijambe, 63 Ha have already been

planted with mahogany seedlings by the community. Additionally, an agreement will soon be issued (through a PERDA) to allow the community and the PDAM to replant the “protection zone” surrounding the Cijambe spring with trees that provide an economic benefit to the community. The PERDA will be drafted after the upcoming hydrological and geo-hydrological surveys have been completed by FORKAMI. PDAM Subang has already committed to provide funds to purchase seedlings from the community nursery center to plant in the PDAM intake protection zone of 7 Ha.

The sustainable livelihood assessment in Kabupaten Subang was also followed by a field day and the establishment of MAPAS (Masyarakat Peduli Alam Subang). MAPAS consists of representatives from 17 upstream, middle, and downstream villages in Subang, and has actively participated in the rehabilitation of critical lands in these 17 villages by planting fruit trees (avocado and mangosteen). Such fruit trees provide supplementary income to communities and, at the same time, protect the land from adverse environmental impacts such as erosion and sedimentation into nearby rivers.

Kabupaten Cianjur. Critical watersheds for Jakarta lie in Bogor and Cianjur on the slopes of Mt Gede and Pangrango. This area is vital for Jakarta’s health as a source of both clean water and of the floods that periodically strike Jakarta, damaging property and adversely impacting public health.

In an effort to help restore these important catchment areas, ESP is working in 13 villages in the upstream area of Cianjur. In the two villages of Sukaresmi and Cikanyere (located in the Cikundul watershed area), for example, ESP is implementing a participatory forest rehabilitation program. The water catchment area in Cikundul feeds the Cirata Dam which supplies raw water to PDAMs in Jakarta and irrigated rice fields in the northern part of West Java. The Rehabilitation Program is a collaborative effort of IPB, Department of Forestry, the Local Government of Cianjur, the private sector, and the respective communities of the two villages. The initial effort consists of forest rehabilitation activities on 200 Ha of critical land. Approximately 70,000 farmers are expected to participate in the tree-planting effort.

ESP is also working with the communities from 11 additional villages, many of whom possess fresh water springs that feed into the PDAM Cianjur facility. Specifically, ESP is facilitating a rehabilitation program to plant fruit and non-fruit trees in critical areas in and around the protected zone of the PDAM’s intake area. Up to this quarter, 1000 seedlings have been planted, including such species as gamelina arborea, sorea, and kanari. PDAM Cianjur is



ESP JAKARTA/WEST JAVA

Tree planting campaign by the Bupati of Subang. The Bupati of Subang supports the community participatory rehabilitation activity and has demonstrated enthusiasm to assist the community in implementing the rehabilitation program.

actively participating in the rehabilitation program by providing seedlings to be planted in the protection zones. The participatory rehabilitation program in Cianjur will likely become a model program that ESP will seek to replicate elsewhere.

ESP's approach to degraded land rehabilitation in Cianjur and elsewhere also involves raising public understanding of the importance of a healthy watershed. As such, prior to actual field work, a rehabilitation awareness campaign was conducted and facilitated by RARE and ESP. Entitled "Plant as a Child and Harvest as an Adult," the target audiences of the campaign were farmers and school children. In addition, RARE is also working with the Bogor Institute of Agriculture to develop a standardized method for obtaining more in-depth information on each watershed, including threats to biodiversity, types of locally managed natural resources, a conservation management index, a social management index, and health and hygiene issues in the sub-watershed/protected areas. The module will be used before conducting the rehabilitation campaign and will ultimately be replicated in other areas as well.

A final noteworthy development in land rehabilitation activities this quarter was the leveraging of funds from the national government. Facilitated by ESP and the Bogor Institute of Agriculture (IPB), the local government of Cianjur received Rp.3.4 billion from the Department of Forestry to implement the GNRHL program in Cianjur. Rp.365 million is allocated for the participatory forest and land rehabilitation activity in the 250 Ha ESP livelihood sites of Sukaresmi, Cikanyere and Sukatani.

Financing PDAM Expansion. The ESP Municipal Finance Team continued to provide assistance to West Java utilities this quarter in the expansion of their services. ESP will assist PDAM Kota Cirebon, for example, to leverage funds from the private sector and commercial loans. The PDAM is planning to increase their raw water supply as well as the number of connections, the latter by approximately 50%. Plans are also under way to increase the water treatment plant capacity and the distribution system.

PDAM Kota Bogor will also expand their distribution system by an estimated 6000 connections, and ESP is providing assistance in obtaining a commercial loan for this significant project. Similarly, PDAM Kabupaten Bogor also plans to implement a system expansion project utilizing funds from a variety of sources, including commercial loans, the Asian Development Bank, and a contribution from the PDAM itself. ESP played an important role in advancing the project by conducting an analysis of the financial condition of PDAM Tirta Kahuripan (PDAM Kabupaten Bogor) as well as a preliminary financial feasibility analysis of the investment. This analysis will serve as a basis for mobilizing commercial-loan financing for the investment program for East Bogor. ESP is also assisting in the determination of the most appropriate tariff petition strategy for the Kabupaten.

ESP will also assist with the public private partnership initiatives in Bandung. Kabupaten Subang presently has a surplus of raw water and plans are underway to do an interregional trade of bulk water to PDAM Kabupaten Bandung and to supply bulk water to Pamanukan. Also included are plans to develop the Pamanukan water treatment facility.

Based on these investment opportunities, ESP anticipates having 5 candidate projects for DCA guarantees in West Java: PDAM Kota Cirebon, PDAM Kabupaten Bogor, PDAM Kabupaten Subang, PDAM Kabupaten Bandung and PDAM Kota Bogor.

OTHER HIGHLIGHTS

- **PDAM Household Survey.** An integral part of increasing PDAM revenues and performance is understanding the customer base. Toward this end, ESP has been conducting a survey of 30,000 households in Kabupaten Purwakarta. Ultimately, the information gathered will be used to improve level of services to customers, data collection and anticipated plans to reduce NRW and illegal connections, to understand the overall condition of sanitation and water sources for non-PDAM customers, and tariff reclassification to improve PDAM income. ESP is funding 50% of the total cost for the survey. A household survey will also be conducted soon in the next quarter in Kota Bandung and 130,000 households will be surveyed. An agreement has been done and the PDAM will fund for the survey of 80,000 households while the remaining will be funded by ESP.
- In Jakarta, ESP provided assistance to Mercy Corps in the development of a concept paper submitted to IDRC. Pending approval of the final proposal, Mercy Corps will receive a \$1 million grant from IDRC to address domestic waste water systems, including home industry waste issues in the North Jakarta slum area of Penjaringan. The North Jakarta area of Penjaringan is also a candidate site for the “Safe Water Point of Use” campaign (MMC-3) that will be conducted collaboratively with SWS, HSP and local journalists.

Furthermore, ESP assessed the management of PDPAL, a large metropolitan sanitation facility in Jakarta, as part of a comparison study activity conducted in 10 cities. The results and recommendations of this comparative study will be used as an input in subsequent policy discussions with the respected stakeholders both at the local level (local government & operators) and national level (national government, donor institutions), to ultimately improve the operation of these facilities and to guide decision makers responsible for potential new locations.

- **Health and Hygiene.** The “Hand Washing with Soap” campaign was conducted by local community organizers with ESP support in Tamansari (District of Bandung) and Padalarang (Kota Bandung). The campaign included a variety of stake-holders, including posyandu cadres, kindergarten and elementary school teachers, religious leaders, and “Koalisi untuk Jawa Barat Sehat (JuJBS). Beneficiaries of the campaign are: 5400 school children (from kindergarten to elementary schools), 2980 mothers of children under five, 50 cadres posyandus, 47 elementary school teachers, and 40 religious leaders. To help promote its message, the campaign utilized friendly competitions (such as painting competitions and providing hand washing facilities) and other games related to hand washing with soap. Final awards will be presented on Village Health Day on January 19, 2006.
- **Multi-Media Campaigns Continue.** The Water for Life Campaign (Multi Media Campaign No.1 or MMC-1) was completed in Bandung. MMC-2, “Clean Environment, Free Flood Environment,” is presently ongoing. MMC-3, “Safe Water Point of Use,” is in preparation and will commence next quarter.
- **Communal Sanitation Program in Bandung.** TARKIM, the Provincial Department of Spatial Planning and Housing of West Java, and local NGO Warga Peduli Lingkungan (WPL) are implementing a communal septic tank program along the Citarum River in Kabupaten Bandung to serve 2000 people who do not have

access to adequate sanitation facilities. TARKIM is heading the actual construction while WPL (supported by ESP) is working to mobilize the community. The construction of two communal septic tanks—each of which serves approximately 200 households—has almost been completed, and a technical report prepared by WPL was submitted to ESP for review.

SECTION 2.5

CENTRAL JAVA

INTRODUCTION

This quarter, ESP initiated start-up activities in its Central Java regional office, including field site selection, office identification, staff recruitment, and collaboration with other USAID programs in the two provinces of Central Java and Special District Yogyakarta (Daerah Istimewa Yogyakarta or DIY). The Central Java Regional Advisor, Sharon Lumbantobing, was mobilized in Jakarta on November 9, 2005, where she will be based for the first three months of her assignment with frequent travel to Central Java to oversee start-up activities. This has provided her a unique opportunity to spend time with ESP staff in four other provinces, make several visits to field sites, and get an overview of the ESP program, approaches, and administrative processes. The search for office space and the recruitment process for thirteen administrative and technical positions in Central Java is well underway, with six of these positions to be filled by current ESP staff from other provinces. The site selection process to choose the Integrated Priority Watershed for the first year of work in Central Java (ESP Year 2) was designed and implemented by a sixteen-member, cross-cutting ESP Team. All of these activities are described in greater detail below.

REGIONAL ACTIVITIES

One of the first and most crucial activities undertaken in Central Java this quarter was the development of a structured, integrated, and rapid (three-week) site selection process to identify the Integrated Priority Watershed for the first year of work. The Central Java Regional Advisor led a sixteen member multi-disciplinary team, drawing on ESP staff from West Sumatra and West Java and national and short-term advisors, to develop and implement an approach for gathering information, reviewing literature, developing maps, conducting interviews, and making site visits to select an integrated watershed site.

ESP's watershed management, agroforestry, geographic information system, RARE, service delivery, and finance teams, together with a short-term biodiversity conservation advisor, Darrell Kitchener, collaborated on the development of selection criteria and conducted interviews and site visits to evaluate five Central Java watersheds (namely, Progo, Sengkarang, Bodri, Garang, and Opak Oyo), fifteen government agencies, and ten PDAMs that lie within these watersheds over a three-week period in December.

Central Java Site Selection

The site selection process for Central Java was designed to identify an integrated priority watershed that would be an excellent entry point for all ESP teams in the province and one that would lead to demonstrable indicators of success one year after program start-up. The site selection process was also designed for broader application to other ESP high priority areas to assist with their site selection process for activities in the following years.

The four overarching factors that were used in the selection of the Central Java Priority Watershed were areas that have:

1. Existing Basic Health Services (BHS) programs and/or USAID Strategic Objectives;
2. High human populations, including high levels of poverty;

3. A high incidence of water borne diseases, such as diarrhea and skin diseases;
4. River basins that flow from 'ridges' to 'reefs'.

In addition to these factors, a matrix of site selection criteria was designed by ESP's Watershed Management, Service Delivery, and Finance Teams.

The Watershed Management team assessed each of the five watersheds based on the following three indicators:

1. Biological and natural resource values in the upper watershed (18 indices);
2. Society, productive activities & uses of water (e.g., conflicts, threats, population density, and disease) (20 indices);
3. Watershed management & allocation for watersheds (e.g., water quality and solid waste management) (15 indices).

The ESP Services Delivery and Finance teams assessed the PDAMs based on the following seven factors:

1. Extent of existing service coverage (e.g., potential for expansion to new customers and increased production);
2. At or near full cost recovery;
3. High interest/commitment for technical assistance;
4. Acceptable non-revenue water losses;
5. Operating ratio;
6. Reasonable levels of long-term debt and an acceptable debt service cover ratio; and
7. Presence of existing municipal sewerage systems in urban areas that are receptive to upgrading and expansion.

The site selection criteria matrix was structured as a simple list of questions that were posed to local government officials in a conversational setting. The matrix was an extremely useful tool designed to quickly gather their perceptions and impressions of existing conditions, activities, and threats in the watershed that were subsequently verified with secondary sources of information.

At the end of the three-week data gathering and analysis period, the sixteen member Central Java site selection team met to review the findings. The five Central Java watersheds ranked in order of priority for ESP Year Two activities are as follows: Progo, Sengkarang, Bodri, Garang/Opak Oyo (same rank).

The Progo watershed was ranked the highest by all members of the site selection team for start up because it best met the four overarching factors stated above as well as represents an area where all ESP technical teams can work together to meet their program outcomes. The following additional factors also presented a compelling case to select Progo as ESP's Integrated Watershed:

1. Deep wells in Merapi National Park and numerous springs in the watershed provide water to major population areas in the two provinces (Central Java and DIY),

Progo Watershed Identified as Priority Watershed – The Progo watershed that cuts across the provinces of Central Java and Daerah Istimewa Yogyakarta ranked the highest by all members of the site selection team for the first year of work. It best meets the selection criteria and represents an area where all ESP technical teams can work together to meet their program outcomes.

2. Merapi and Merbabu National Parks contain high biodiversity values, two endangered species (e.g., Javan Eagle and macan tutul), and are in great need of improved management practices to mitigate against conflicting land uses and environmental degradation,
3. The presence of 8 PDAMs in the Progo watershed (ESP's Service Delivery team must ideally work in 6-7 PDAM during the first year) (all other watersheds that were assessed have only 1-2 PDAM),
4. 2 PDAMs in the watershed (plus one in Solo (one hour outside the watershed) are at full-cost recovery, which is a requirement for ESP's Finance Team to begin looking at corporate finance mechanisms with them.
5. High receptivity of local government agencies, including PDAM, to work with ESP;
6. The presence of an existing, newly formed, multi-stakeholder watershed management forum, but one that lacks funding and a motor to propel the forum into action;
7. The presence of a wide range of local government institutions, universities, non-governmental organizations, religious organizations, and other ongoing and/or recently completed donor funded programs that are active in sectors related to water and governance issues (e.g., USAID, DFID, GTZ, Swiss Development Agency); and
8. The presence of an existing municipal sewerage system in the province of DIY that is receptive to upgrading and expansion.

The Finance team has prioritized the following 3 PDAMs in the Progo Watershed: Kabupaten Magelang, Kota Yogyakarta, and Kabupaten Sleman. In addition, they will also work with one PDAM in Kota Solo, which lies one hour outside the Progo watershed. The Service Delivery team will work with the four above-mentioned PDAM plus Kota Magelang and possibly 1-2 other PDAMs (such as Kabupaten Bantul or Kabupaten Kulon Progo) in the Progo Watershed.

OTHER HIGHLIGHTS

- **Office identification.** Field sites for the first year (in the upper and middle Progo watershed and the 7 PDAMs that lie within the watershed) are within a one hour, drive to a central location in Yogyakarta where the ESP office will be located. Placing the ESP office in Semarang would require up to a three hour drive to field sites in the Progo watershed. Access to provincial government agencies located in Semarang is still feasible from a base in Yogyakarta, as the drive will take 2-3 hours one way. Provincial level meetings are anticipated to take place 2-3 times per month, whereas field visits are likely to take place on a daily basis. A suitable house for an office has been located and a contract signed. The house is on a quiet street in a strategic location, less than a 10-15 minute drive to local government offices, banks and other ESP partners and service providers in Yogyakarta, and within one hour drive to initial field sites.
- **Staff recruitment.** Six of the thirteen vacant positions in Central Java will be filled by existing ESP staff from other provinces, where ESP activities are being reduced (namely, West Sumatera). All of these staff will form a strong team with their knowledge of the ESP program combined with their well established networks in Central Java through previous work experiences.

The staff recruitment process for the remaining administrative and technical positions began in early November. To date, interviews have been conducted and

candidates have been selected for the three administrative openings (e.g., office manager, administrative assistant, and office aide). Employment agreements are being negotiated and all three positions will be filled two to three weeks in advance of the office opening in mid - February. This will enable the administrative team to participate in a 3-day training in Jakarta in mid-January to learn about ESP's administrative policies and procedures. The recruitment process for the last four vacant positions is still ongoing.

- **Collaboration with USAID Partners.** To date, the Central Java Regional office staff has initiated discussions with the following USAID programs about their ongoing or planned activities in Central Java: LGSP, SWS, HSP, and STAR-H. ESP attended a coordination meeting with LGSP to discuss potential areas of collaboration. The Central Java Regional Advisor previously worked on LGSP for an eight-month period and is very familiar with its program design and staff, which will assist with future program integration and coordination. STAR-H has a well developed network of trained birth attendants in Central Java, who already serve as primary points of contact for disseminating health-related information to rural communities that ESP will follow up with, primarily with regard to ESP's health and hygiene and behavior change campaigns. SWS plans to initiate start up activities in Central Java in March/April and will coordinate closely with ESP. At this time, HSP is not planning any activities in Central Java. Next quarter, ESP will initiate discussions with the HIV/AIDs program, MBE, and DBE I, II, and III about potential areas of collaboration.

SECTION 2.6

EAST JAVA

INTRODUCTION

East Java ESP has continued to expand its activities in the upper and lower tracts of the Brantas River, encompassing locations in the Malang Raya and the Coastal Urban Clusters, identified as the priority locations for the 2005-2006 Work Plan.

The Brantas River is geographically and historically the *heart* of East Java, flowing 328 kilometres from its source on Mt Ardjuna and emptying water that has drained from a watershed of 12 000 square kilometers (a quarter of the area of the Province) into a broad delta that extends from Mojokerto and Pasaruan in the south through Sidoardjo and into the city of Surabaya. A little under a third of the population of the Province lives within these two Brantas clusters. The largest of the deltaic rivers, the Kali Porong, the Kali Wonokromo and the Kali Mas deposit such sediment loads from erosion in the upper slopes (as well as organic and inorganic pollution from the cities) into the Madura Strait that the health of the river basin reverberates over an even larger region.

Water supply for the population, and for irrigation and industrial use, is drawn from deep spring sources in the uplands and surface waters in the lowlands. The poor quality of the water and the intense demand are serious factors in the cost structures of the water utilities in the lowlands, contributing to their difficulties in expanding reliable and well treated water to urban users. These costs, and an imminent debit in available surface water (especially in the dry season) are the driving force behind plans to develop the Umbulan Spring Project and to open spring sources in Pasaruan for domestic consumption in Sidoardjo. As water becomes increasingly recognized as a limiting resource, conflict is appearing among water managers as equitable solutions are sought for domestic, farm irrigation and industrial needs.

In the past quarter, ESP has been able, through its practical activities, to more clearly delineate its niche within the broad range of traditional government and civil society stakeholders in the Brantas Region and to gain greater recognition of the value of its work. A growing number of requests for technical assistance, especially from local governments, from within and outside the priority focus areas underline, not only the impact that the program is achieving; but also its timeliness in the minds of local government and community groups.

REGIONAL ACTIVITIES

The East Java team has applied a strategic and systematic approach to the identification of locations for its activities. Taking into account ecological, cultural, socio-economic and water supply parameters, sites have been defined which highlight issues representative of the region so as to assist in the identification of lessons learnt and the up-scaling of impacts throughout the Province via policy and legislative means and through education, extension and training.

Involving local communities in watershed management and biodiversity conservation. During the quarter the WSM team focused on (a) analysis of priority locations within the watershed; (b) community development in the priority Sumber Brantas

sub-watershed area in Batu; (c) design and establishment of Batu community based nursery enterprises; (d) landscape reconstruction as a means of combating human health issues in Kel. Temas, Kota Batu, and (e) public consultation on draft Perda on the issue of *Hilir-Hulu* Financial Transactions for Sustaining Environmental Services.

- For the identification of priority locations within the watershed, collaboration with BPKH XI Yogyakarta has resulted in access to 1:25 000 base line data, “peta rupabumi Indonesia” (RBI) skala 25000, soil map scale 250 000; geology map scale 1:100.000, hydrogeology scale 1:250.000, subsurface water storage map scale 250.000, Land Position Map; Original file of LANDSAT ETM7+ cover whole Jateng-DIY acquisition 2002 & 2003 (mixed); PERHUTANI areas for East Java priority areas.

- Community needs assessments were conducted in 15 community groups from 14 villages of 3 sub districts in Kota Batu. The activity has led to the involvement of 404 people who are combined under the new grass roots land care group termed FOKAL Mesra. Community development activities implemented through this vehicle has resulted in an agreed work plan between the community, local government and related stakeholders, including Perum Jasa Tirta, Perum Perhutani, Tahura, and private business.



ESP EAST JAVA

ESP seeks to address deforestation in the Brantas Watershed. Pictured above is an example of an illegal cultivation of the Perum Perhutani-managed Production Forest in Batu.

- The needs assessment process identified a demand for more plant nurseries. ESP facilitation through round table discussions involving 61 participants has resulted in a design and proposal for establishment of community based nursery enterprises which will be implemented in the first quarter of 2006.
- In Temas Village in Batu, 26 people have been working with ESP on participatory planning of options to combat human health issues resulting from small scale food industries and domestic waste. Solutions will be progressively implemented linking soft engineering including wetland construction to landscape ecology approaches to improved management of the flows of water.
- ESP supported two public consultation workshops on a draft Provincial Perda concerned with linking, through financial institutions, the responsibility of water users to upper watershed land management. These workshops have involved collaboration between Dinas Kehutanan Jawa Timur, Lembaga Paramitra (NGO), the

Multi Stakeholder Forestry Program (MFP) and ESP-East Java. The public consultations were conducted in Gresik for Bakorwil Surabaya and Madura; and in Malang for Bakorwil Malang Raya. The public consultation in Gresik was attended by 43 participants (40 male and 3 female) and the consultation in Malang by 85 participants (70 male and 15 female).

In the coming quarter, the MSF in Malang Raya will expand its role to incorporate three new land care groups which have expressed interest in Kabupaten Malang and a further group in Malang City. The formation of these groups will be facilitated by the original trainees from Batu.

A number of the community development projects identified through land care groups cannot be put into place without further professional guidance and new data. In the past quarter ESP has been preparing community stakeholders to undertake 4 watershed management plans through community facilitation led by young local men and women, chosen by the *Fokal Mesra* Land Care Group, as potential for future community leadership. 15 of these facilitators are being trained over the coming quarter in the collection and use of a range of bio-physical, social and economic data to strengthen their communities' capacities to undertake their own scientific analyses as part of participatory planning.

At the same time the ESP team is supporting, through technical advice and training, the local government planning board (BAPEKOT). Through the continuing cultivation of trust and the transfer of knowledge to the PEMDA and the Batu community, ESP is facilitating the linkage of the bottom-up watershed planning process through the land care group and the more top-down approach being undertaken by the local government of Batu.

The *Fokal Mesra* Land Care Group

– The decision by volunteer trainees involved in the community needs appraisal workshops in Batu to form a grassroots Land Care Group to bring together the interests of the farming, forest village and PKK in determining a sustainable future was a breakthrough for the ESP East Java Team, who recognized from past experience the social difficulties of working in the Sumber Brantas sub-catchment. When this Land Care Group, The *Fokal Mesra* was then endorsed by the Mayor of Batu and provided financial support it was possible to feel that the ESP program was succeeding in generating a self sustaining social movement. This was reinforced when the Mayor also decided to draft a decree to protect all remaining forest within the city, increasing the area of protected forest by 32%. Although there remain legal and administrative difficulties in enforcing this ambition, there is clearly a focus for ESP to follow to achieve some of its main objectives.

Improving PDAM efficiency and effectiveness. During the quarter, engagement with the PDAM in the two clusters gathered momentum after a necessary period of discussion and negotiation of the ESP program and its intentions essential to develop understanding and trust among the local government agencies and the PDAM. The issue of trust is a significant one in Malang Raya because of a history of rapid change driven by the clearing and alienation of land in the watersheds and the rapid increase in population. The PDAM in Kota Batu has been a concern from this point of view because of particular local political issues which have been influencing its management. It is now expected that ESP will be able to further consolidate its relationship to produce positive collaboration. The importance of working with the three PDAM in Malang Raya is highlighted by the history of their relationships and cross boundary interdependencies which must be enhanced in order to rationalize water allocation and conservation in the immediate future.

Enthusiasm is now high among most PDAM in the priority areas for further collaboration with ESP. The results of ESP engagement with Kota and Kabupaten Malang are starting to be felt in a new interest in change and growth opportunities. For example:

- System evaluation for PDAM Kab. Malang which commenced at the end of October has now examined 90% of the system – a total 23 units and 44 water sources have been surveyed and specific technical, environmental and organizational problems have been identified which are now the subject for an expanded working relationship.
- One problem which has rapidly emerged in the past quarter as a seminal issue is the future use of Krabayakan Spring. The spring is situated in Kabupaten Malang but is being pursued by PDAM Sidoarjo as a new water source to meet their rapidly emerging crisis of supply. ESP has been asked by PEMDA Kab. Malang and PDAM Sidorarjo to assist in the negotiation of an agreement across these administrative boundaries. In the process of these negotiations it has become clear that a combined water allocation and water conservation management plan is required and that ESP will be playing a key role in the resolution of an example of a nationally generic problem.
- In the PDAM Kota Malang a non-rateable water investigation has been underway since the end of October. During the current investigation 3 areas have been identified for zoning: Pondok Belimbing Indah (PBI), Tidar, and Dinoyo Lama-I (DL-1) and as of the end of December water balance data is 80% complete. A second phase of activities is expected to commence in January.
- An expression of the strong regard that the PDAM community place on the opportunity provided by the ESP is that the East Java DPD sought assistance with ESP to mount Muda (mid –management) Level training. This was held between 12-23 December in Surabaya and involved 27 participants including 4 women, from 17 PDAMs across the province. During the program ESP contributed a special additional session on the importance of watershed management emphasizing the need for integration of upstream and downstream issues within a system approach.
- Between 12 and 17 December ESP hosted a study tour for 6 participants from the PDAM in Kota Malang, Kabupaten Malang and Surabaya to four PDAM in West Java to demonstrate how GIS can be used to improve the efficiency of water utility planning and management. The opportunity has been well received by each of the participating PDAM and discussion is continuing about how best to develop this capacity.

Expanding community understanding of good sanitation and solid waste disposal.

Improving the quality of domestic effluent and the sanitary disposal of solid waste not only directly influences the incidence of water borne diseases but also reduces operational cost in the water utilities, enhancing their capacity to invest in broader distribution.

During the quarter, preparation for the implementation of CBS systems commenced in Surabaya, Malang and Malang District. This action followed LOI's received from the 3 local governments after the June Multi City Seminar. Preparation consisted of:

- Three Roadshow presentations by the ESP Partner BORDA to a total of 56 government officials from all stakeholder agencies;
- Follow up data collecting workshops for sanitation mapping; and
- A 7 day study tour of sewerage treatment facilities in Malaysia for 10 senior local government officials in conjunction with our Malaysian partner IWK.

Completion of sanitation mapping is expected in early 2006 with construction under a cost-sharing agreement to occur in 2006.

In addition ESP is assisting in an expanded provision of further CBS sanitation units elsewhere in the province by BORDA working in conjunction with a national sanitation program under the Department of Public Works.

Since September ESP has sponsored a community-based solid waste management project in Wonokromo in collaboration with the Surabaya local government, Surabaya University (UNESA) and the NGO consortium KOMPOS. The challenge of Wonokromo, an urban village of 46 000 people, is that it represents a range of local areas (RVV) that vary from middle class to very poor and the present provision of basic human services reflects this demographic. How the activities of ESP and its partners in the poorer areas of the community are translated into a more equitable provision of services by the local government will provide valuable lessons to the ESP program as to how to scale up its work to the level of the whole city.

Grassroots solid waste management –The Wonokromo community have embraced the importance of change through grassroots action. Working through the volunteers organized through the village PKK there has already been a high level of adoption of household – based waste separation and composting and in conjunction with the PEMDA, who have modified the collections system, a dramatic reduction in the amount of solid waste being disposed of directly into the local canals.

Progress in the last quarter has involved training of 59 community volunteers representing women's groups, housewives, the youth club and local garbage collectors. Topics have included social skills, household and city scale solid waste management, participatory analysis of local area waste and sanitation problems and composting.

At the level of personal behaviour change for improved sanitation ESP conducted an intensive campaign directed at promoting *handwashing with soap*. The campaign commenced province-wide at the beginning of the fasting month in October in partnership with the East Java Chapter of the Indonesian Ulama Institute (MUI). A training workshop conducted by MUI with ESP support involved 80 participants from branches throughout East Java and considered religious endorsement of improved personal hygiene. The messages derived from the workshop were professed throughout the Province during October through the religious leaders.

Indonesian Ulama Institute supports handwashing campaign. From the outset of discussions with the MUI it was clear that they recognized the importance of improved hygiene in improving the quality of life of people. Their decision to work with ESP to develop the idea and to actively profess the message throughout their congregations during the fasting month was a significant lesson in the importance of spiritual teaching to the promulgation of human behavior.

At the same time a more geographically focused program on hand washing with soap was conducted which targeted 2 villages in Malang, involving 4500 households and one in Surabaya involving 1500 households. The program involved TOT principles, and the promotion of teachers, women's volunteers and village youth organizations, as vehicles through which messages and demonstrations of hand washing have been spread through neighborhood meetings and schools. Running for a three month period, the program is expected to complete its first stage within the coming quarter.

Getting the messages out: Public Outreach and Communication. Throughout the last quarter, the Public Outreach and Communication capacity of the East Java team has continued to play a strong role in extending ESP messages through the mass electronic and print media and has succeeded in implementing two very successful multi-media campaigns as well as providing essential project support for the health and hygiene and watershed management activities.

In the first of the Multi Media Campaigns on the integrating themes of *water for life*, 30 news items, 3 radio talk shows, 4 TV talk show and 20 articles in local newspapers were produced. A special 2-day program aimed at junior high school children brought about 75 teachers and children together at the Pring Woeleong environmental studies centre at Purwodadi, contributing to ideas for curriculum development and an exchange of experiences between students from schools along the length of the Brantas River.

The second campaign, which focuses on reducing the frequency and impact of urban flooding through better management of solid waste, involved a similar range of activities working with journalist, womens' group and local government throughout the priority regions. A particularly interesting aspect was the launching of the Surabaya "River Watch" campaign by the Mayor with ESP support, as well as the launching of the "One person One tree" campaign by the Minister for Environment and the Mayor, for which ESP was a major sponsor for 31 Kecamatan throughout the city. Wherever appropriate the ESP campaign has been delivered in the three local languages : Javanese, Madurese and Bahasa Indonesia and has gone out in 2 magazine articles and 5 newspaper stories, as well as 9 news and interactive program on TV and radio reaching estimated audiences of 3,500,000.

ADDITIONAL HIGHLIGHTS

- **Collaboration across USAID Programs.** During the past quarter, ESP, HSP, DAP and the DBE have recognized the synergy that is possible through closer collaboration. Initiatives are being developed to seek closer integration through the sharing of common sites and technical expertise in Surabaya and in the upper watershed areas of the Brantas.
- **Expanding ESP influences through the Faith-Based Groups.** Following approaches from Muhayamdiyah, ESP is exploring avenues for influencing curriculum and providing technical assistance to selected pesantren as a means of extending the messages of ESP through religious schools. This initiative has strong support from the East Java Province Health Department and has affinities with the East Java Pesantren educational exchange program run through the US Consul-General in Surabaya.
- **Women talking about environment.** On 26 December ESP supported this event in conjunction with RRI in Surabaya. The event drew 50 participants, including a number of prominent women opinion formers.
- **Friendly environmental behavior starts at home.** This workshop involving teachers and high school students in Malang was held on 26 December in Malang in collaboration with the NGO Paramitra.
- **Visit by senior USAID delegation to Surabaya.** On November 15 ESP with its BHS partners, HSP and DAP and the Mayor of Surabaya hosted a visit by Mr. Jim Kunder, USAID Assistant Administrator for Asia and the Near East, William Frej

Head of USAID Mission Jakarta, and other senior staff to the project site in Wonokromo. This visit coincided with both the *handwashing with soap* campaign and the launching of community based solid waste management projects and provided added momentum and profile to these activities. As a direct response to Mr. Kunder's visit and his subsequent press conference, there were 7 electronic media news items and 4 newspaper articles focusing on USAID and ESP and BHS activities in East Java.

SECTION 2.7

SPECIAL CONCERN IMPERATIVE AREAS

INTRODUCTION

Beyond the High Priority Provinces, work also progressed in the Special Concern Imperatives Areas (SCIA) of Balikpapan, Manado, Manokwari, and Jayapura. Notable highlights included and MoU signing with PDAM Manado, the commencement of a household survey in Manado, and the completion of a water resource analysis for PDAM Manokwari.

SCIA ACTIVITIES

Balikpapan. Two meetings have been held with the BAPPEDA in Balikpapan to discuss the possibility of ESP providing technical assistance to the PEMDA for the purpose of issuing a municipal bond in early 2007. Key issues include the extent to which the offering would have to cover ESP-related expenses (i.e., water, sanitation, environment), a factor discussed with the Head of BAPPEDA on both visits, including the second one involving a USAID presence. The issue has also been taken up directly with USAID, itself. Two scope of work drafts have been prepared with the next meeting scheduled for late January 2006 in order to reach final agreement

Manado. ESP is working together with its partner, WMD (Dutch Water utility) to improve management and services of PDAM Manado. To support this partnership a MoU between both parties was signed on 26th October, outlining the main areas of collaboration: Water Resource Protection, Capacity Building/Training, Awareness raising, Alternative Financing and specific studies. During this Quarter a household census for the whole Municipality has started with a tender to five local universities, to be funded by ESP and WMD. Actual field work will start in January and will be completed in five months. In addition to this WMD director has met with ESP Municipal Finance Advisor to discuss possibilities for DCA support, resulting in a concept note to be submitted to DCA. Finally, ESP continues to work with Jaringan Kampung and other stakeholders toward on-going collaborative management of the Todano Watershed.

Papua. ESP has prepared a concise report on Water Resource situation for PDAM Manokwari, as input for further study with WMD, our partner for Eastern-Indonesia. Main topics for the study cover current water sources, water use, sources of pollution, land issues and/or potential conflict and future potential. Results of study will be used for future planning of raw water potential for PDAM, as part of their expansion program. With regard PDAM Jayapura, the major institutional issue with regard the splitting up of the PDAM in a Municipal and district PDAM, following the administrative boundaries, needs to be resolved first by respective local governments. After this has become clear and directors are in place WMD will start to work in Jayapura and ESP will identify key activities to support. WMD and ESP will share office space in Jayapura. Additionally, in Jayapura, ESP continues to work with Cyclops watershed stakeholders on collaborative management and water resource conservation of this important area.

SECTION 3

NATIONAL & PROGRAM MANAGEMENT UPDATES

INTRODUCTION

In this Section, we present a more detailed account of the Program's activities at the national level as well as significant achievements related to Program Management. This Section is divided into the following Subsections:

Section 3.1 National Updates

Section 3.2 Program Management Updates

SECTION 3.1

NATIONAL UPDATES

INTRODUCTION

Section 3.1 provides an update on initiatives that are occurring at the national level and which are therefore not associated with a defined geographic region.

NATIONAL ACTIVITIES

Water Revolving Fund. During the third quarter, a concept paper was commissioned by the Municipal Finance Team to determine whether the Government of Indonesia (GOI) would actively support the creation of an Indonesia Water Revolving Fund (IWRF). The basic purpose of the IWRF, as conceived by this study, is to improve access to long-term financing to regional providers of water, sanitation and other environment-related services. Since the concept paper is almost finished, a series of discussions will be held with GOI officials during the first two months of 2006 to determine interest.

There is no single definition of a revolving fund, but the general idea involves the creation of a financial intermediary whose specific purpose is to co-finance infrastructure projects for participating regional governments, usually in the water, sanitation or environment-related sub-sectors.

In the United States, revolving funds are organized under state-statutes, with their core capital derived from matching Federal and State grants. This base capital together with a variety of co-financing arrangements entered into with credit and capital market institutions enable the water revolving fund to assist local municipalities to finance and implement public service undertakings. Apart from facilitating access to credit, a secondary goal of a revolving fund is to lower the cost of funds and improve credit terms. As their use has spread, revolving funds have evolved to serve as a point from which various forms of credit enhancement (such as credit risk guarantees, liquidity guarantees and revenue intercept mechanisms) have been developed and applied, delivering value to constituents by improving access to tax exempt Municipal Bond markets, thereby decreasing the cost of funds. Today, revolving funds are active in a few countries other than Canada and the United States, including South Africa and India. Several revolving funds are on the drawing boards, in Philippines, Jamaica and Ukraine to name a few.

In Indonesia, the IWRF is designed to assist the Government of Indonesia in achieving its Millennium Development Goal, Target 10, to (a) halve, by 2015, the proportion of people without sustainable access to safe drinking water and basic sanitation; this requires an annual increase in investments in the water and sanitation sector from US\$ 50 million to US\$ 450 million; and (ii) assist GOI with achieving its goal to ensure that all piped water providers supply potable water by 2008, in conformance with PPI 6/2005.

Micro-Credit Analysis. Also during the third quarter, the Municipal Finance Team assigned a consultant to prepare a report on the micro-financing of consumer water connections in Tanah Datar pursuant to a cooperation agreement entered into between the municipal water supply company of Tanah Datar district in West Sumatra (PDAM Tanah Datar), and a commercial bank, PT. Bank Rakyat Indonesia (Persero) Tbk (BRI). The two parties have

entered into a cooperation agreement aimed at providing micro-credit to new PDAM Tanah Datar customers for financing of water connections to the utility's water pipe network. The aim of the report was to understand precisely how the program was faring and to understand BRI's appetite for expanding the program to all of Sumatra and Java under a cooperation agreement with ESP.

The report will not be ready until late January, 2006, however, it is expected to conclude that:

- An expanded umbrella *Standardized Cooperation Agreement* between ESP and BRI is possible, perhaps encompassing BRI bank branches in all ESP High Priority Provinces. Preliminarily, it appears that the Micro Business Division staff at BRI Head office is willing to support and promote cooperation between BRI branches and water utilities in Kotas and Kabupatens other than Tanah Datar. The BRI Head office appears willing to collaborate with ESP and could prepare promotion materials and issue special operational procedures to its branches, if required;
- Within the BRI management structure, however, decisions to participate under central umbrella agreements are delegated to individual BRI branch managers;
- ESP can play a key role in promoting cooperation between financier and water utility by arranging meetings between BRI managers and PDAM managers in selected cases to discuss willingness to arrive at *Memoranda of Understanding (MOU)* between BRI branch and local PDAM, governed by the umbrella agreement; that would identify the terms under which BRI Branch would finance consumer water connections in each respective area; and
- Once the commissioned report which is still in process is finalized, ESP and BRI initially might take the first step toward the objectives stated above by working together to create an umbrella, *Standardized Cooperation Agreement*, the overarching umbrella agreement, governing all local arrangements.

SECTION 3.2

PROGRAM MANAGEMENT UPDATES

INTRODUCTION

The first quarter of Program Year 2 saw continued expansion of ESP into new locations, refinement of ESP management systems, rollout of the ESP small grants program. Notable events included the identification of a Bandung Office, additional customization of the ESP TAMIS, the development of an ESP Financial Guidelines and Controls Manual, an ESP GIS assessment, and the finalization of the ESP Performance Monitoring Plan.

PROGRAM MOBILIZATION

While the majority of startup and mobilization activities were complete during Program Year 1, a limited number of mobilization tasks continued in the reporting period as ESP sought to increase its presence into West Java, Central Java, and Aceh.

- **Bandung Office.** To facilitate a greater presence in West Java, ESP began initial steps to open a provincial office in Bandung. Importantly, ESP is worked with the Health Services Program to identify an office out of which both programs can operate.
- **Central Java/Yoyakarta.** With the inclusion of Central Java/Yoyakarta as an ESP High Priority Province in the September 30 contract modification, ESP commenced the mobilization of the Central Java team and the establishment of the Central Java Office. Several trips were made over the reporting period to Central Java to assess office space options and begin recruitment. As stated in Section 2.5, the newest ESP HPP office will be located in Yoyakarta. ESP is presently in final negotiations and hopes to finalize a lease agreement by mid-January.
- **Information Technology.** In an effort to improve the communications systems of the Banda Aceh Office, ESP upgraded the internet connection in December to a satellite connection. The new connection promises to be both faster and more reliable than the previous connection.

PROGRAM IMPLEMENTATION & REPORTING

- **TAMIS Customization.** DAI TAMIS specialist Tami Fries provided short-term technical assistance in October to improve the ESP TAMIS. Particular attention was paid to customization and training in the Aceh Office, as well as the addition of new activities and reporting requirements from the ESP Contract modification.
- **ESP Finance Manual.** In December Senior Business Manager Robert Ryan-Silva provided assistance in the improvement of ESP's financial controls. Mr. Ryan-Silva's visit included visits to field offices in Banda Aceh and Medan. The primary result of the consultancy – the ESP Financial Guidelines and Controls Manual – will be finalized in January.

- **USAID Project Coordination Meeting.** In November ESP participated in the regular inter-project coordination meeting, a practice which ESP initiated in August of 2005. The November meeting addressed, among other topics, the standardization of per diem payments to government officials participating in project activities.

SMALL GRANTS PROGRAM

The Small Grants Program progressed in all high priority provinces during this quarter. Grant Awards have been given to four grantees with a total funding of \$65,000, three in North Sumatera and one in West Java. The ESP Public Private Partnership Coordinator negotiated with several private firms to leverage funds to Wahana Informasi Pariwisata Alam (West Java grant) to create a map of the existing trekking paths surrounding the Gunung Gede Pangrango National Park that can be used as a basis for park zoning and succeeded to obtain Rp.24 million from PT. Newmont. Kompas the leading national news paper based in Jakarta will also contribute funds to WIPA for the development of the ecotourism maps.

Another proposal from West Java on Bodogol Conservation Education and Awareness Program in the Gunung Gede-Pangrango National Park: "Increase Community Awareness toward Conservation and Sustainable use of Biodiversity, Forest and Watershed through Education" submitted by Yayasan Cipta Citra Lestari for a grant of \$24,000. Matching funds will come from other donors, including Conservation International, totaling \$9,500. A reviewing committee is being formed to review the proposal.

ESP is awaiting other proposals from NGOs in Kabupaten Subang and Cianjur in the area of community-based solid waste management and currently is assisting with the identification of solid waste issues and analysis of the areas to develop a model community based solid waste management for both Subang and Cianjur.

ESP Aceh is currently socializing the ESP program and small grants mechanism to local NGOs and is anticipating good proposals that can be funded in the next quarter.

Similar to Aceh, East Java and West Sumatera are ready with the small grants program and progress is being made with local NGOs for the submission of the small grants. The Grants Manager plans to conduct a trip to East Java very soon to help expedite the small grant program.

It is planned to have at least 12 more small grants of a total of at least \$200,000 approved in the next program year.

PUBLIC OUTREACH & COMMUNICATIONS

Public Outreach and Communications consists of activities devoted to influencing behavioral change to meet program objectives as well as communicating program results, best practices, and lessons learned. Highlights of this quarters activities are as follows:

- **Implementation of Multi Media Campaign 2.** ESP's second major multi-media campaign entitled, "Clean Environment, Flood Free Environment," was conducted in four High Priority Province (East Java, West Java, West Sumatra and North Sumatra) from November - December 2005. The campaign, which was organized by ESP in association with its local implementing partners, included activities such as media

gatherings, media visits, community activities, and media campaigns to convey the campaign theme to a target audience.

- **Planning for Multi-Media Campaign 3.** Together with Aman Tirta, ESP also began planning for Multi Media Campaign 3 – “Safe Water Point of Use” – to be implemented in East Java, West Java/DKI Jakarta/Banten, West Sumatra, and North Sumatra for period January - February 2006. The objective of this campaign is to raise knowledge on safe drinking water needs in Indonesia and technology/initiatives to provide safe drinking water for communities along with proper water treatment, storage, and handling. As in previous campaigns, a secondary objective is to build relations with journalists and media in the respective locations.
- **KAP Survey in Cianjur.** To help prepare for the upcoming Cianjur Rehabilitation Campaign at the villages of Sukaresmi and Cikanyere (Cianjur District), ESP conducted a Community Survey to collect baseline data on the “knowledge-attitude-practice” (KAP) of communities towards degraded land rehabilitation. About 300 individuals for 9 villages (dusun) were interviewed.
- **Rare-IPB Training Center.** ESP partner RARE has been progressing with preparation of the joint RARE- IPB Training Center. Rare has been working closely with the IPB team to develop course modules, while, at the same time, developing a strategy for the selection of a campaign manager.

GEOGRAPHIC INFORMATION SYSTEMS

In October Ms. Jennifer Fly (of DAI’s corporate office) provided important inputs regarding the utilization and overall role of GIS in ESP. More specifically, Ms Fly (a) evaluated the current GIS capacity in terms of personnel, equipment, software, availability of data, and standard operating procedures; (b) provided guidance and direction to GIS specialists and engineers in the Banda Aceh Office of ESP; and (c) provide training and seminars to ESP staff on how to improve the program’s current GIS utilization to meet the short, medium and long-term goals of the ESP program. In addition, Ms. Fly also standardized and provided instruction to GIS staff in the use of the most recent versions of GIS software and hardware. Overall, Ms Fly’s inputs assisted the GIS team in developing a more systematic approach to the use of geographic information systems to support the work of ESP.

PROGRAM MONITORING & EVALUATION

ESP continued to refine its Performance Monitoring Plan (PMP) throughout the reporting period based on comments from USAID, the completed Basic Human Services Performance Monitoring Plan, and revised outcomes in the September 30 Contract Modification. In December ESP submitted its finalized PMP to USAID.

In addition to finalizing its PMP, ESP also continued to assist in the implementation of the BHS baseline survey in six provinces, including Aceh, North Sumatra, Banten, DKI Jakarta, West Java, and East Java. Specific activities related to the baseline survey included finalizing the survey questionnaire, signing of the contract with the University of Indonesia (UI) to implement the survey, the training of trainers for provincial and district coordinators, the training of interviewers for the baseline survey, and the commencement of data collection of the UI team in all six provinces.

PROGRAM QUALITY ASSURANCE

ESP recognizes the importance of putting into place robust quality controls to ensure and assure that Program resources are utilized responsibly to achieve tangible results. Examples of programmatic quality controls implemented to date include the following:

- **Human Resources.** The foundation of ESP's quality assurance is the highly qualified staff that the Program has recruited to both manage and implement activities. ESP strives to seek out the most appropriate candidates for each position, and each potential employee (as well as their scope of work) is reviewed and approved by multiple individuals prior to hiring. ESP also performs regular performance reviews of all long-term staff.
- **TAMIS.** The ESP Technical and Administrative Management Information System is an important tool for monitoring program outputs. Accessible from all program offices, the TAMIS brings a level of transparency to the work performed across the regions.
- **Multi-Step Approval Processes.** ESP's standard operating procedures frequently require multi-step approvals, thereby ensuring that several different people have an opportunity to review and improve documentation. Multi-step approvals and reviews occur in such processes as procurement, hiring, and report finalization.
- **Policies and Procedures Manuals.** ESP has a number of written guidelines that help to ensure uniform policies and procedures across the program. Current guidelines include the Operations Manual, Personnel Manual, Small Grants Manual, and Finance Manual.
- **Regular Auditing.** Over the coming quarter ESP is planning to implement a financial audit process where by documentation and practices are regularly reviewed by an auditor. ESP intends to contract the services of an external firm to undertake this initiative.

SECTION 4

PROJECT MONITORING & EVALUATION

INTRODUCTION

This section contains a chart listing the major components of the Environmental Services Program, along with progress to date against the indicators and second year targets for those indicators, as per the ESP *Performance Monitoring Plan*. The finalized ESP PMP, which was submitted in December 2005, contains the following components:

- **Cross-Cutting Themes Program Management;**
- **Watershed Management and Biodiversity Conservation (WS);**
- **Environmental Service Delivery (SD);**
- **Environmental Services Finance (FN); and**
- **Environmentally Sound Design in Aceh (ESD)**

ESP PROGRESS BASED ON PMP

PERIOD: OCTOBER – DECEMBER 2005

ESP Progress based on PMP

Period: October – December 2005

Component: Cross Cutting Theme/Integration			
Outcome	Indicator	Second Year Target (Cumulative)	Progress
I. Leveraging other financial support for Environmental Services Program	Level of funding to support ESP activities	\$ 500,000 (\$ 2,000,000 over project life)	<p>By the end of the second year ESP expects to achieve almost the target over the project life. ESP estimates to leverage the total \$ 1,520,000 in the end of the second year. The possible leveraging is described in the points below:</p> <ul style="list-style-type: none"> • Leveraging from the Ministry of Forestry for rehabilitation program in Cianjur District is \$ 355,000 (Rp. 3.4 Billion) or equivalent to 71% of the target that need to be achieved this year. • Subang District is also expected to leverage \$ 355,000 for rehabilitation program in next quarter. • Cost sharing programs with PDAMs in Purwakarta, Bandung and Manado for households surveys is leveraging \$ 90,000 in period October '05 – May'06 • Cost sharing programs for four PDAM management Trainings (period August – December '05) have leveraged a total \$ 25,000 from Provincial PERPAMSI offices/ participating PDAMs

Component: Cross Cutting Theme/Integration			
Outcome	Indicator	Second Year Target (Cumulative)	Progress
			<ul style="list-style-type: none"> Provincial Government of West-Java has contributed 100% of hardware cost for construction of two CBS systems in Kab. Bandung (total estimated cost ca. \$ 50,000). PDAM Tirtanadi in Medan plans to leverage \$ 100,000 (Rp. 1 Billion) annually for conservation program in upstream area of Deli Watershed Area. It is anticipated that ESP will receive its target at the end of the second year. ESP has joined with Mercy-Corps in submitting a concept proposal to IDRC (Canadian Research Institute) to improve basic services (solid waste, sanitation, water supply) in poor area in Jakarta. Total funding is around \$ 1,000,000. Latest information is that the Mercy Corps/ESP proposal has been accepted and detailed proposal writing will start in next quarter.
2. Collaborative program to support the Strategic Objective (SO) of Basic Human Service (BHS)	Number of integration program between ESP and other USAID Program	Four (4) joint program of integration conducted by ESP and other USAID partners (20 joint programs over project life)	<ul style="list-style-type: none"> In this quarter, ESP initiated three new join programs such as two join programs in Aceh (with HSP on the renovation of health facilities in Aceh and develops possible collaboration with DAI-SDP on community works), in East Java collaboration has been developed with the HSP and DAP (World Vision) in the past quarter through sharing of technical expertise and identification of common sites. ESP still continues to work in BHS Baseline Task Force and BCC Task Force that have been started since the first year program.

Component: Cross Cutting Theme/Integration			
Outcome	Indicator	Second Year Target (Cumulative)	Progress
			<ul style="list-style-type: none"> In East Java, plans are in place to link to DBE (III) in relation to vocational training for children at risk for employment under the community necessities project in Batu. To date ESP have been achieved this year target by conducted five (5) join programs with other USAID partner. This achievement have been exceeded the target of this year. ESP is forging strong collaboration with DAP partner, Mercy-Corps in Jakarta; during this Quarter joint meetings and fieldvisits, resulted in identification of field of collaboration and potential locations.
3. Public Outreach and Communication	<ul style="list-style-type: none"> # of campaign supported by ESP # of campaign supported by ESP partners/stakeholders # of community expose to campaign (campaign coverage) 	<ul style="list-style-type: none"> Twenty (20) campaigns supported (80 campaigns supported over project life) Ten (10) campaigns supported by ESP partners/stakeholders (40 campaigns supported by ESP partners over project life) Sixty (60) communities expose to campaign (campaign coverage) (120 community expose to campaign over project life) 	<ul style="list-style-type: none"> In this quarter, ESP has conducted 9 Public Outreach and Communication activities. This achievement will reach 45% of target of this year. These POC activities consist of Multi Media Campaign (MMC#2) on the topic of "Clean Environment, Free from Flood", 6 campaigns support WSM issues, production of ESP news (2 editions, #3-Oct 2005 and #4-Dec 2005), and initial activities for ESP website development. The MMC#2 have been conducted in HPPs area through the implementation of activities such as journalist discussion, journalist visit, public discussion, and writing articles in several media. The campaign activities support WSM issues have been conducted in Medan-North Sumatra, Padang (West Sumatra), Cianjur (West Java), and Surabaya and Malang (East Java)

Component: Cross Cutting Theme/Integration			
Outcome	Indicator	Second Year Target (Cumulative)	Progress
			<ul style="list-style-type: none"> • ESP campaigns in East Java are proceeding in partnership with the Yayasan Tunas Hijau and Panda Pertiwi Indonesia, the LSM Paramitra, the Pring Woeleong Environmental Education Center, Dinas Infokom from the Province and the City of Surabaya and the PKK of Surabaya and Malang • Campaign activities were conducted in four High Priority Provinces (North Sumatra, West Sumatra, West Java, and East Java) in a total of 7 cities. The actual campaign exposure reached far beyond these cities due to province-wide media coverage.
4. People participation in the ESP trainings and workshops	# of people participate in ESP training and workshop	Four thousand (4,000) people trained (12,000 people trained over project life)	<ul style="list-style-type: none"> • This quarter, ESP has involved 1,731 people in the ESP training, workshop and seminars. The percentage of women participation in ESP activities is 19.30%. A total budget of \$ 108.195,50 was spent for the training activities through this quarter. • To date, a total of 5,551 participants (26.65% participants are women) participated in the ESP training, workshop and seminar or almost 50% of the target over the life of project has been achieved. The accumulative budget for the training activities up to this period is \$303,021.50

Component: Watershed Management and Biodiversity Conservation (WS)

Outcome	Indicator	Second Year Target	Progress
<p>WS Outcome #1 – The formation of adequate policies at the local level to recognize the tenure and/or access rights of communities to manage their forests and watershed areas, and implement transparent and participatory district-level management of forests, thus reducing conflict and illegal logging</p>	<p>Number of new policies recognizing land tenure and access rights of communities to manage forest land and watershed area</p>	<p>N/A (5 new policies over project life)</p>	<p>This year ESP does not anticipate to have new policies on the ground however ESP starts to work on preliminary activities on policy development as follow:</p> <ul style="list-style-type: none"> • ESP and the Local Government of Subang – West Java is in the process to establish local policy (Perda) on indicative mechanism of PDAM to collaborative with the community groups to rehabilitate the PDAM water intake protection zone. • ESP in East Java in collaboration with MFP-DFID and the Forestry Service of East Java Province are supporting the public consultation process necessary to finalize the Gubatorial Decree enforcing financial transactions for water use from hilir to hulu for environmental services sustainability. • ESP also facilitates the Local Government on establishing a Bupati decree for the implementation of WSM Plans in HPPs through the WSM Multi Stakeholder Forum.

Component: Watershed Management and Biodiversity Conservation (WS)

Outcome	Indicator	Second Year Target	Progress
<p>WS Outcome #2 – In each High Priority Province, improvement of watershed function in areas supplying water to urban centers and PDAMs as measured by a 50% increased in rehabilitated land (total area of degraded land where trees, commercial or non-commercial are planted)</p>	<p>Increase in area of rehabilitated land and forest, presented as percentage and in hectares</p>	<p>10% (7,046 hectares) (50% = 35,320 ha over project life)</p>	<p>ESP is improving 13,894 Ha of watershed function this quarter and ESP is in process of improving more hectares in the following quarters. Several activities have been conducted to support the achievement of this target, such as community tree nursery have been established in 4 community groups in 4 villages of Karo and Deli Serdang Districts (North Sumatra), 16 community nursery groups in Subang District (West Java), 2 community nursery groups in Batu Municipality (East Java) and a tree nursery in Padang (West Sumatra) collaborate with the Local NGOs. 10,000 trees have been plant in Batang Air Dingin watershed coverage areas 13.624 Ha. Assessment activities by the community groups are on going to support the achievement of this target. By these activities ESP is achieved the target of this year. ESP already achieved more than 20% of the target area by the end of this year</p>
<p>WS Outcome #3 – In each High Priority Province, the area of forest with high biodiversity conservation value under improved, local management increases by 50%</p>	<p>Increase in forest area with high biodiversity value under improved, local management, presented as percentage and in hectares</p>	<p>10% (16,530 hectares)</p>	<ul style="list-style-type: none"> • ESP is in the process of improving the forest with high biodiversity conservation value in TAHURA (grand forest park) such as TAHURA BUKIT BARISAN in North Sumatra covering 51,000 ha and 23,000 ha of TAHURA BUNG HATTA in West Sumatra. • Conduct the rehabilitation program of 50 Ha in the National Park of Gunung Gede Pangrango and planned to improve the biodiversity conservation of 12,000 ha

Component: Watershed Management and Biodiversity Conservation (WS)			
Outcome	Indicator	Second Year Target	Progress
			<ul style="list-style-type: none"> • ESP East Java is supporting the implementation of a new local government decree converting all production forest in Batu city to a protected forest status . This Decree would increase the area of forest in Batu city under local conservation management by 32% • By the end of this year, ESP is expecting to achieve exceeded target of the second year implementation.
WS Outcome #4: In Aceh, improvement in watershed function with additional focus on the coastal margin directly impacted by the tsunami, as measured by implementation of at least 15 targeted community-based land rehabilitation activities	Number of community-based coastal rehabilitation activities implemented to improve the functioning of the watershed area impacted by the tsunami	3 community-based coastal rehabilitation activities	The progress of this outcome is still limited. The most activities have been done related to this outcome were in the initial phase and it focus on the assessment activities.

Component: Service Delivery (SD)			
Outcome	Indicator	Second Year Target	Progress
SD Outcome #1 – Technical operation and financial management of at least 33 PDAMs is improved in resulting in a 20% increase in revenues from existing water production. A minimum of 3 of these PDAMs shall be in Aceh withdraw	Number of PDAMs providing better services	8 PDAMs (33 PDAMs over project life)	<p>PDAMs in the HPP areas have not been assessed on their improved services, since program just started. ESP will report on PDAM Performance Index in next quarter. However in this quarter there are several activities have been done related to this outcome as described below:</p> <ul style="list-style-type: none"> • Three PDAMs in Aceh have been provided training on financial and using the laboratory equipments • PDAMs in East Java also have been trained on the management training. • Ten (10) PDAMs in other HPP areas have been provided with direct Technical Assistance and training in corporate planning, non revenue water reduction, on-the job operator support and surveys(household sensus and customer satisfactory survey) to improve PDAM performance and revenue. • More than 25 PDAMs in HPP areas joined in PDAM management training programs.
SD Outcome #2 – Population with access to clean water is increased by 20% in ESP geographic areas except for Aceh. In the tsunami impacted areas of Aceh, population with access to clean water is doubled	Percent of household that use an improved water source	5% increase (20% increase over project life)	<p>The number of households that use an improved water source can not been counted yet because we are waiting for the annual PDAM reports. However, several progress have been made as follow:</p> <ul style="list-style-type: none"> • In Bogor Municipality, the PDAM plans to increase 6000 connections through ESP technical Assistance.

Component: Service Delivery (SD)			
Outcome	Indicator	Second Year Target	Progress
			<ul style="list-style-type: none"> In Aceh, people in Lamkruet (Banda Aceh) and Lhoong Village (Aceh Besar) will get clean water from self-contained water treatment equipment that will be operated by early 2006. From this treatment, it is estimated that 26,000 people in TLCs and 5,000 in Meulaboh's TLCs will get access to clean water.
SD Outcome #3 – In Aceh, at least 20 return communities have developed and are implementing improved water quality, sanitation and solid waste management	Number of return communities in Aceh develop and implement improved water quality, sanitation and solid waste management	3 communities (20 communities over project life)	The progress related to this outcome in this quarter is still limited. So far, the progress is on conducting joint assessment involve WSM and SD teams to identify the potential site for mobilization of ESP support related to improving water quality, sanitation and solid waste management for return community groups in Aceh. The identification of “the return communities” in Aceh will be based on the progress of building the houses for the community groups.
SD Outcome #4 – At least 5 sewage treatment proposals are developed in conjunction with local or provincial government and submitted to international development banks, such as Japanese Bank for International Development (JBIC), for funding consideration	Number of sewage treatment proposal developed and to be funded by international development bank	N/A (5 proposals over project life)	<ul style="list-style-type: none"> During this quarter ESP conducted comprehensive comparative study for all domestic sewerage systems in Indonesia. All field work has been completed and report will be ready in January '06. Results will provide basis for future intervention by ESP and/or other donor agencies, and National Government. ESP also facilitated exposure visit for nine senior Government officials and legislators from our three target locations in East-Java to visit sewerage systems in Malaysia and to conduct discussions with local operators and owners.

Component: Service Delivery (SD)

Outcome	Indicator	Second Year Target	Progress
SD Outcome #5 – At least 15 solid waste management plans are developed and implemented. Of these, a minimum of 5 community plans for restored and new facilities will be developed and implemented for return communities in Aceh	Number of community-based Solid Waste Managed Systems (SWMS) developed and implemented	2 SWMSs (15 SWMSs over project life)	<ul style="list-style-type: none"> • To date, ESP is in the process of developing and implementing solid waste management plans in 7 ESP locations (from which two in Aceh) • An assessment on solid waste management is conducted in Aceh Besar and Aceh Jaya. • ESP collaborates with JBIC Tokyo and CTI engineering to discuss the community based solid waste management work plans for 2006 for Medan • A SWMS is being developed in Wonokromo (East-Java and preparations have been made for three CB/SWMS in West-Java (Subang, Cianjur and Bandung)
SD Outcome #6 – At least 25 Small Scale Sanitation Systems (SSSS) are developed and implemented. Of these, a minimum of 5 community plans for restored and new facilities will be developed and implemented for return communities in Aceh	Number of small scale sanitation plans developed and implemented	6 SSSSs (25 SSSSs over project life)	<ul style="list-style-type: none"> • At present already 30% of anticipated target for this year have been achieved. Two small scale sanitation system were developed in Bandung – West Java in collaboration with NGO and Local Government and one pilot project on project on waste water garden communal sanitation was developed in Lamkruet-Aceh. • Six Local Governments in three HPPs (East java, West Sumatra and North Sumatra) have already included a cost-sharing budget in their 2006 Plans for construction of between 6-8 CBS Systems • ESP is currently conducting coordinating meetings with Bappenas and PU to support new programs of National g'ment including potential cost-sharing within target areas in ESP HPP.

Component: Service Delivery (SD)			
Outcome	Indicator	Second Year Target	Progress
			<ul style="list-style-type: none"> • ESP (through BORDa) is conducting sanitation mapping in three locations in East Java to increase the awareness of senior policy maker of Local Government from Surabaya and Malang to support the development of improve sanitation system.
SD Outcome #7 – The precursor needed to impact childhood diarrheal disease (clean water and sanitation) are contributed to the BHS effort to reduce in the incidence of childhood diarrheal disease and mortality	Proportion of household that adopted adequate health and hygiene practices within ESP project sites	The target for the second year will be determined after the baseline is conducted	<ul style="list-style-type: none"> • Hand washing with soap campaign in Bandung area (2 communities) covers approximately 2538 household and adequate health/hygiene practices have been conducted in schools, also involve religion leaders in their community. • Similar campaign are conducted in East Java (Surabaya 1500 household and Malang Municipalities 4500 households) and North Sumatra (Medan Municipality)

Component: Environmental Services Finance (FN)

Outcome	Indicator	Second Year Target	Progress
FN Outcome #1 – At least (30) operate on a cost-recovering basis and those in default of old SLA and RDA debts begin repayment	Number of PDAMs operate on a full cost recovery	3 PDAMs (30 PDAMs over project life)	Only 1 PDAM (in Bogor District) is currently operating on a FCR basis as a result of FN efforts. ESP is also supporting tariff adjustment and/or debt restructuring with PDAMs of Bogor Municipality, Bandung District and Cirebon Municipality and assists PDAM Tirta Kahuripan to determine best tariff petition strategy.
FN Outcome #2 – Regulatory boards for PDAMs are established and operating in each high priority province and empowered by the DPR-D to regulate tariff increases	Number of regulatory boards established to regulate the development of tariff increases for PDAM	0 (1 over project life)	ESP does not target establishing a regulatory board to regulate tariff increases this year. However, ESP will be working on this issue with PDAM Kota Solo.
FN Outcome #3 – At least 10 DCA projects for investment in the environmental services sectors are developed and implemented	Number of projects related to environmental services sectors that execute a guarantee agreement with DCA developed and implemented	1 (10 over project life)	There are 12 institutions (8 PDAMs and 4 local institutions) that have the potential for DCA projects. ESP is working with all 12 institutions and believe the target of 10 DCA projects will be achieved at the end of the project.
FN Outcome #4 – At least 5 PDAMs achieve credit rating from an international credit rating agency	Number of PDAM received national credit rating certificate	1 PDAM (5 PDAMs over project life)	No action taken
FN Outcome #5 – At least 1 local government, province or PDAM is assisted in the preparation for issuance of a revenue or general bond	Number of PDAM, Local Government and or province successfully received additional revenue from obligation bond	N/A (1 over project life)	Providing technical assistance for Balikpapan Municipal Government on the municipal bond issue. Expect bond issued in first quarter 2007.

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FN Outcome #6 – At least 15% of Aceh program activity resources are used to leverage private sector resources to expand the impact and geographic coverage of ESP	Amount (\$) of funding generated from public or private sector to expand the impact of ESP outcomes in Aceh	\$ 100,000 (\$ 400,000)	<ul style="list-style-type: none">• This progress related to this outcome is still limited it will be expected to be increased in the subsequent quarter through the collaboration with other organization.• Receive 2 self-contained water treatment units that can provide clean water in Lamkruet and Lhoong Village (Aceh Besar)•
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Component: Environmentally- Sound Design and Implementation in Aceh (EA)

Outcome	Indicator	Second Year Target	Progress
EA Outcome #1 – At least 4 spatial plans at the district and/or municipality levels in the Banda Aceh to Meulaboh coastal corridor directly impacted by the tsunami are developed and/or improved	Number of spatial plans developed and/or improved at the district and/or municipality levels	1 (4 over project life)	The progress to achieve one spatial plans is ongoing and ESP is currently working with a combine of NGOs to develop spatial planning for villages in the sub-district of Meuraxa in Aceh
EA Outcome #2 – A forum/network of donor, GOI and NGO water/sanitation/infrastructure/ environment practitioners is created and supported to address common implementation issues and to serve as a clearinghouse of best practices to mitigate adverse environmental impacts of post-tsunami reconstruction activities	Forum/network of donor, GOI and NGO established and functioning	1 (1 over project life)	The forum has not been established yet, however the work related to this outcome has been established through several coordination meetings with different type of organizations working in Aceh.
EA Outcome #3 – An assessment report on the use of timber on the part of USAID-funded projects in Aceh	Assessment report completed	1 (1 over project life)	The assessment on the use of timber on the part of USAID funded project has not been completed but will be initiated in the next quarter.
EA Outcome #4 – Creation of an information clearinghouse for legal and illegal sources of timber and alternative building materials	Timber information clearinghouse established	1 (1 over project life)	The clearing house has not been developed yet but will be created after the assessment on source of timber and alternative building material have been initiated during the next quarter

APPENDICES

- APPENDIX A: Up Coming Events by Region**
- APPENDIX B: Short Term Technical Assistance**
- APPENDIX C: Publications**
- APPENDIX D: Workshops and Trainings**

APPENDIX A UPCOMING ACTIVITIES (by Region)

Upcoming activities in Aceh:

Dates	Type	Description
16 Jan	STTA	SOP development for PDAM Banda Aceh and Kabupaten Aceh Barat
24 Jan	Other	Puskesmas watsan facility need assessment in Aceh Barat
24 Jan-April	LTTA	Design Pride Campaign at Blang Lambaro and selected sites
Feb-April	Study	Ground truthing to identify land in Tahura Cut Nyak Dhien
Feb-Mar	STTA (expat)	Workshops on locating solid waste disposal sites
1 Feb	PO	Census of customer and non-customer PDAM Banda Aceh
6-28 Feb	Assessment	Sustainable Livelihoods Assessments in Kreung Aceh
6-28 Feb	Assessment	Sustainable Livelihoods Assessments in Sabee-Geupu
12-28 Feb	STTA	Assessment of PDAMs in cooperation with IRD and UNICEF
20 Feb	Assessment	Community based watsan need assessment in Meulaboh
27 Feb	STTA	PDAM Re-evaluation asset (Banda Aceh and Aceh Barat
27 Feb	STTA	PDAM Aceh Barat Institutional reorganization
13 Feb-13 Mar	Workshop	Workshop forum DAS Kr. Aceh
20 Feb-20 Mei	Study	Catchment area study of Labieng Water Resources
20 Feb-20 Mei	Monitoring	Monitoring illegal logging in West Coast
March	Nursery	Nursery for coastal rehabilitation in west coast
March	Survey	Biodiversity survey of Tahura Cut Nyak Dhien
March/April	Nursery	Develop community nursery at Ds. Blang Lambaro
6 Mar	Training	PDAM Banda Aceh Corporate Plan re-evaluation
13 Mar	Training	Develop PDAM Aceh Besar corporate plan
On-going	Other	Development of community based water distribution system plan
On-going	STTA	Communal sanitation pilot program in Lamkruet

Upcoming Activities in North Sumatra:

Dates	Type	Description
24-27 Jan 06	Workshop	Gender Issues Workshop: Women and Water, Ridge to Reef women, Rural to Urban
9 Jan – 14 Jan 06	USAID Clemson CRSP visit	Field visit of Clemson University USAID IPM CRSP project to ESP in Karo, Profs. Hammig, Shepard, and Carner
Thru January	Campaign	Hand-washing with Soap Campaign in Aur and Petisah with Posyandu, Masjid2, youth groups
Intermittant Jan-March 06	Field Activity	Establishment of 10 community nurseries at village level in Deli watershed, Karo and Deli Serdang districts
16-Feb-06	Forum	Full Deli River Multi-stakeholder Waterhed Management Forum

10 Feb- 30 March	STTA Int'l (S.Foley) STTA Nat'l (N. Wienarto, W. Sutisna)	Support to the Design of Agro Forestry Field School Training of Trainers
15-28 Feb 06	Field Activity	Data collection in DAS Wampu, Langkat for Development Pathways creation and location selection
15 Feb 06	Training of village cadre	Training of facilitators and community organizations (PKK) on solid waste management and PERDES socialization (JBIC site, Percut)
25 Feb 06	Meeting/Launch	Open meeting and launch of 'Agriculture and Agro-Forestry Field learning lab' in Karo
28 Feb 06	Field Day	Field Day and workshop, completion of Eco-Rice Trials and training in 4 sub-districts of Deli Serdang
February- March 06	MMC2	Point of use Water Issues
08 March 06	Meeting	Small Grants Presentations and call for new concept papers
22 March 06	Media Events	International Water Day; Inter-faith dialogue on Water
20 March 06	Farmer Field Schools, Vegetables	Launching of 4 Farmer Field Schools in vegetables in Doulu-Semangat Gunung, Karo in collaboration with Karo Gov., Clemson Univ., and FIELD
Early March 06	STTA Int'l (N.Bennet)	Assessment of Critical Land situation and rehabilitation possibilities in DAS Deli and DAS Wampu
20 March 06	STTA, Nat'l (TBD)	Mapping of raw water resources for PDAM Tirta Nadi and Tirta Wampu.
15 March 06	STTA, Nat'l (TBD)	Study on Access to Water for the Poor in context of Tirta Malem (Karo) and Tirta Wampu(Langkat)
Early March 06	Field Activity	Participatory Mapping training in Karo with Kerina and Doulu- Semangat Gunung villages
10 March 06	Public Meeting and Launch	Public Dialogue on community-based WatSan programs in Medan and Deli Serdang with BORDA

Upcoming activities in West Sumatra:

Dates	Type	Description
Jan – June 06	Training, Workshop, STTA	Facilitating Padang Watershed Working Group To Develop Integrated Watershed Management Plan. STTA for Integrated WSM Plan, Location Padang, 50 days on period February to July 2006.
Feb – Sept 06	Training, Workshop,	Prepare 10 community groups for implement agro forestry, health and hygiene field school, need 3 field assistance for 3 watershed.
Feb – Sept 06	Training, Workshop,	Assessment of develop Bung Hatta Taman Hutan Raya co-management (biodiversity, stakeholders mapping, policy, social-economic).
Feb – April 06	Training, Workshop, STTA	Corporate plan PDAM through technical team capacity building, employee satisfaction survey, finalize customer satisfaction survey. STTA for Corporate Plan Technical Specialist, Location: Padang Municipal, Solok Distric and Bukittinggi, 50 days on period February to May 2006.
16 Jan -16 June 06	Training, Workshop, STTA	Facilitation development of Sanitation Working Group.

7-10 Feb 06	Workshop	Water Forum in Jakarta.
25 Jan and 21 Feb 06	Workshop	CSS Expose and soliciting stake holder aspiration in PDAM Solok District and PDAM Bukittinggi.
27Jan 06	Focus group discussion Workshop, STTA	Capacity building Corporate plan and workshop preparing for PDAM Bukittinggi. Social connection research. STTA for Social connection research, Location Padang Municipality, 50 days on period January to June 2006
Feb 06	Workshop, media gathering, journalist visit	MMC#3, point of use water treatment.
March – April 06	Workshop, media gathering, journalist visit	MMC#4, water conservation.
26 Jan 06	Meeting	GIS Team Building.
31 Jan – 3 Feb 06	Study tour	GIS Exposure visit to PDAM Jambi.

Upcoming Activities in West Java:

Dates	Type	Description
15-Jan-06	PRA in Taman National Gede Pangrango	Collaboration meeting with Pusat Bina Penyuluhan of Ministry of Finance, IPB and TNGP
19-Jan-06	Campaign	Health Day Activities in Padalarang, Bandung
21-Jan-06	Campaign	Health Day activities in Tamansari
27/28-Jan-06	Campaign	MMC3: Safe Water Point of Use in Banten and Jakarta
23-Jan-06	Collaboration Campaign Meeting	Collaborate with leading national news agency KOMPAS for campaign activities
02-Febr-06	Collaboration Meeting	Preparation for the National Symposium on Watershed Management
06/10-Febr-06	Working Group	National Policy Working Group on Protected Areas in Indonesia
16-Febr-06	Workshop	Formulate the role and responsibilities of members of the new established forum –FORPELA- on management of the Gede Pangrango National Park
22-March-06	Multi Media Campaign #4: Water Resource Conservation	Water Day: “Water and Culture”

Up-coming Activities in East Java:

Dates	Type	Description
January 2006	Multi-media campaign	Implementation of MMC3 concerned with safe water systems
16 January 2006	Publication	Interactive Dialogue on TV. ESP represented by Agus Hernadi and Arief L. Hakim as information source.
19 January 2006	Field Day	Presentation of community environmental management programs to Walikota Batu from Land Care Group representing 13 villages

21 January 2006	Evaluation Workshop	Wonokromo Community-Based Solid Waste Management Project
22 January 2006	Publication	Variety Show on TV. Pak Sukarwo (Sekretaris Propinsi East Java), The Best Lurah from Kabupaten Magetan, and Didik Suprayogo (ESP) as guest. The topic discussed was "How Safe The Environment and Water".
25 January 2006	One day Internal workshop	Meeting and discuss sanitation mapping preparation in Kota Malang, Kab. Malang, and Surabaya with GIS team and BORDA team
25-27 January 2006	Evaluation	Evaluation of Handwashing campaign intervention in Malang
26 January	Visit to Media	POC will visit and dialogue with media worker at Malang
18 February 2006	Inauguration of Environmental Volunteers	Wonokromo Community-Based Solid Waste Management Project
18, 25 February	Community and Scholl Activity	"Safe Water System" Campaign, with program Water Test Day/ Air Rakhma at Wonokromo.
18 & 19 February	Scholl Activity	Invite 60 students from 6 cities to come to Kebun Raya Purwodadi. Yayasan Pring Woeloeng will handle the meeting. (Water Test Day)
21-23 February 2006	Seminar scoping sanitation mapping in Kota Surabaya, Kota Malang, Kabupaten Malang	Scoping sanitation mapping Presentation by BORDA
February 25-28	ESP-BORDA GIS Coordination and Planning Discussions	Implementation of Sanitation mapping project in Surabaya, Malang and Kab. Malang
March 2006	TOT Workshop	Commencement of Community Livelihoods Assessment in Brangkal Watershed
March 2006	STTA Biodiversity	Survey of Biodiversity benchmarks for Tahura and TN Bromo Tengger Semeru
March 2006	STTA Ecological Interventions in Temas	Field coordination and technical advice to Temas Project
March 2006	Workshop on Corporate Planning	Training workshop on corporate plans for Kab. Malang and Pasuruan
1-3 March 2006	Comparative study to Jakarta	Reward for 5 most active RW VI Wonokromo environmental cadres
9-11 March 2006	Comparative Study to Balifofus Program in Denpasar	Balifokus has done program for tofu industries and chicken farms in Bali which has same characteristic with Temas Village; will explore opportunity to do same program.

APPENDIX B: SHORT-TERM TECHNICAL ASSISTANCE (Through 31 Dec 2006)
Environmental Services Program

Region	MOBIS Labor Category	Position	Name	Start Date	End Date	Approved LOE	Citizenship
Aceh	4. Development Specialist (I)	Sanitary Engineer	Titi Erman	11/28/2005	1/14/2006	35 Days	Indonesian
Aceh	6. Senior Development Specialist (I)	Water Supply Engineer	Betty Nurhajati	11/28/2005	1/14/2006	30 Days	Indonesian
Aceh	6. Senior Development Specialist (I)	Institutional and HRD Specialist	Syarif Nurjaman	11/28/2005	1/27/2006	50 Days	Indonesian
National (Jakarta post)	4. Development Specialist (I)	Financial Controls Specialist	Robert Ryan-Silva	11/28/2005	12/31/2005	18 Days	American
Aceh	4. Development Specialist (I)	Finance Specialist	Rudy Jusdian	11/21/2005	1/30/2006	50 Days	Indonesian
West Java/DKI Jakarta	7. Principal Development Specialist (II)	Water Supply Engineer	Sher Singh	11/21/2005	2/28/2006	26 Days	American
Aceh	2. Associate Development Specialist	Environmental Management Consultant	Norman Hoff	11/15/2005	5/31/2006	60 Days	Australian
Aceh	6. Senior Development Specialist (I)	Water Supply Engineer	Sudigyo	11/14/2005	1/14/2006	30 Days	Indonesian
Aceh	6. Senior Development Specialist (I)	Water Supply Engineer	Hendro Widodo	11/14/2005	1/14/2006	50 Days	Indonesian
West Java/DKI Jakarta	5. Senior Development Specialist (II)	Technical Analyst	Sonny Sulaksana	11/14/2005	12/13/2005	30 Days	Indonesian
Aceh	8. Principal Development Specialist (I)	Hydrogeologist	Phillip Brown	11/10/2005	12/22/2005	30 Days	American
Aceh	8. Principal Development Specialist (I)	International Water Supply Engineer	T. Stephen Jones	11/10/2005	1/14/2006	40 Days	American
Aceh	8. Principal Development Specialist (I)	Team Leader/Financial & Institutional Specialist	Bennett Parton	11/10/2005	12/31/2005	12 Days	American
Aceh	7. Principal Development Specialist (II)	Water Supply Engineer	Sher Singh	11/10/2005	1/14/2006	60 Days	American
West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Specialist	Ramon Hagad	11/1/2005	9/29/2006	60 Days	Filipino
National (Jakarta post)	8. Principal Development Specialist (I)	Protected Areas & Conservation Mgmt. Specialist	Darrell Kitchener	10/19/2005	6/21/2006	80 Days	Australian
East Java	6. Senior Development Specialist (I)	Surabaya Sanitation and Solid Waste Mgmt. Consultant	Toeti Herisasi	10/17/2005	2/16/2006	80 Days	Indonesian
East Java	6. Senior Development Specialist (I)	PDAM Technical Specialist for Kota Malang	Rustamadji Wahono	10/17/2005	1/20/2006	60 Days	Indonesian
East Java	3. Development Specialist (II)	Health Communication	Lilik Zuhriyah	10/11/2005	3/10/2006	60 Days	Indonesian
West Java/DKI Jakarta	1. Administrative Support	Conservation Education & Campaign Assistant	Nia Kurniawati	10/11/2005	2/24/2006	65 Days	Indonesian
North Sumatra	6. Senior Development Specialist (I)	Social Documentary Film Specialist	Robert Nugent	10/5/2005	10/20/2005	12 Days	Australian
Aceh	8. Principal Development Specialist (I)	Finance Specialist/Assessment Team leader	Bennett Parton	10/3/2005	10/18/2005	12 Days	American
East Java	3. Development Specialist (II)	Junior PDAM Technical specialist Kabupaten Malang	Jumarwan	10/3/2005	1/6/2006	60 Days	Indonesian
West Java/DKI Jakarta	4. Development Specialist (I)	Community Based Solid Waste Specialist	Ria Ismaria	10/3/2005	10/31/2005	14 Days	Indonesian
West Java/DKI Jakarta	3. Development Specialist (II)	Watershed Management Fasilitator	Saeiful Bahri	10/3/2005	12/31/2005	80 Days	Indonesian
West Java/DKI Jakarta	3. Development Specialist (II)	WSM Fasilitator	Dede Suryana	10/3/2005	1/31/2006	80 Days	Indonesian
Aceh	2. Associate Development Specialist	GIS Specialist	Jennifer Fly	10/1/2005	10/30/2005	22 Days	American
Aceh	6. Senior Development Specialist (I)	Management Information Specialist	Tami Fries	10/1/2005	10/30/2005	21 Days	American
National (Jakarta post)	8. Principal Development Specialist (I)	Financial Specialist	Kjell Olsen	10/1/2005	12/31/2005	25 Days	Norwegian
National (Jakarta post)	8. Principal Development Specialist (I)	Financial Analyst	David Woodward	9/26/2005	9/29/2006	45 Days	British
West Sumatra	3. Development Specialist (II)	PDAM Technical Specialist	Immanuel Ginting	9/26/2005	2/28/2006	126 Days	Indonesian
Aceh	7. Principal Development Specialist (II)	Environmental Management Consultant	Norman Hoff	9/25/2005	10/7/2005	13 Days	Australian
West Java/DKI Jakarta	3. Development Specialist (II)	Conservation Education & Campaign Coordinator	Putu Wirawan	9/21/2005	1/31/2006	65 Days	Indonesian
National (Jakarta post)	8. Principal Development Specialist (I)	Waste Water Treatment Expert	Edzard Rhe	9/19/2005	12/31/2005	40 Days	German
National (Jakarta post)	7. Principal Development Specialist (II)	Appreciative Inquiry Expert	Dian Svendsen	9/11/2005	10/8/2005	28 Days	American
West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Analyst/Water Engineer	T. Stephen Jones	9/3/2005	12/31/2005	60 Days	American

West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Analyst/Water Engineer	Terence Driscoll	9/3/2005	12/31/2005	60 Days	American
Aceh	4. Development Specialist (I)	Financial Specialist	Enjang Hasanudin	8/29/2005	10/14/2005	46 Days	Indonesian
North Sumatra	4. Development Specialist (I)	PDAM Institutional Specialist	Julian Syah	8/29/2005	5/31/2006	140 Days	Indonesian
Aceh	6. Senior Development Specialist (I)	Hydrogeologist	Gatot Soedrajat	8/22/2005	9/16/2005	22 Days	Indonesian
Aceh	8. Principal Development Specialist (I)	Hydrogeologist	Phillip Brown	8/15/2005	9/16/2005	27 Days	American
National (Jakarta post)	8. Principal Development Specialist (I)	Gender and Water Specialist	Nancy Diamond	8/13/2005	9/2/2005	60 Days	American
North Sumatra	3. Development Specialist (II)	PDAM Technical Specialist	Ida Sukmawati	7/25/2005	10/7/2005	76 Days	Indonesian
West Java/DKI Jakarta	2. Associate Development Specialist	Communication Manager	Risang Rimbamaja	7/25/2005	7/24/2006	88 Days	Indonesian
West Java/DKI Jakarta	4. Development Specialist (I)	Participatory Media and Documentation Specialist	Triyanto Adi	7/18/2005	9/30/2005	20 Days	Indonesian
West Java/DKI Jakarta	6. Senior Development Specialist (I)	Water Resource Conflict Management Specialist	Winarto Nugroho	7/18/2005	9/30/2005	30 Days	Indonesian
West Java/DKI Jakarta	4. Development Specialist (I)	Participatory Non-formal Education Specialist	Simon Tambunan	7/18/2005	9/30/2005	40 Days	Indonesian
National (Jakarta post)	8. Principal Development Specialist (I)	Watershed Management Planning Specialist	Jan Gerards	7/10/2005	7/25/2005	14 Days	Dutch
Aceh	6. Senior Development Specialist (I)	Water Quality Specialist	Ida Dahliawati	6/27/2005	8/31/2005	23 Days	Indonesian
National (Jakarta post)	7. Principal Development Specialist (II)	Graphics Design and Communications Specialist	Donald Bason	6/15/2005	9/29/2006	65 Days	British
National (Jakarta post)	5. Senior Development Specialist (II)	Health & Hygiene Specialist	Maria Elena Figueroa	6/13/2005	6/18/2005	6 Days	Mexican
West Java/DKI Jakarta	8. Principal Development Specialist (I)	Financial Analyst	David Woodward	6/8/2005	10/31/2005	45 Days	British
National (Jakarta post)	8. Principal Development Specialist (I)	Health Communications Specialist	Benjamin Lozare	5/22/2005	5/26/2005	4 Days	American
National (Jakarta post)	7. Principal Development Specialist (II)	Public Outreach & Communications Specialist	Paul Butler	5/21/2005	6/2/2005	11 Days	American
National (Jakarta post)	4. Development Specialist (I)	Public Outreach & Communications Specialist	Megan Hill	5/20/2005	6/2/2005	10 Days	American
West Java/DKI Jakarta	4. Development Specialist (I)	Health Communications Specialist - West Java	Evi Douren	5/16/2005	8/22/2006	58 Days	Indonesian
U.S. Home Office	1. Administrative Support	Research Assistant/Project Coordinator	Kathleen Gaertner	4/18/2005	9/30/2009	30 Days	American
National (Jakarta post)	5. Senior Development Specialist (II)	Environmental Health Monitoring Specialist	Misha Kishi	4/17/2005	9/30/2005	104 Days	Japanese
National (Jakarta post)	8. Principal Development Specialist (I)	Child Survival Monitoring Specialist	Eckhard Kleninaw	4/17/2005	11/30/2005	15 Days	American
National (Jakarta post)	6. Senior Development Specialist (I)	Management Information Specialist	Tami Fries	4/4/2005	4/21/2005	30 Days	American
National	2. Associate Development Specialist	Public Outreach & Communications Strategy Development Specialist	Sri Gunadi	3/1/2005	8/31/2005	80 Days	Indonesian
Aceh	8. Principal Development Specialist (I)	Aceh Assessment Team Leader	Edzard Rhe	2/2/2005	3/2/2005	24 Days	German

Appendix C: Reports and Publications
Environmental Services Program
Quarterly Report #3: October – December 2005

Series	#	Date	Title	Author*	Status
Annual Report					
	R-0035	12/16/2005	Annual Progress Report No. 1, December 2004 through September 2005		Final/Sent to USAID for Review
Annual Work Plan					
	R-0031	10/31/2005	ESP Nanggroe Aceh Darussalam Work Plan		Final/Available for Distribution
	R-0033	04/30/2005	ESP First Annual Work Plan and Life of Project Plan		Final/Available for Distribution
Bi-Weekly Update					
	R-0020		ESP Biweekly Update 1_16-20.05.05		Final/Available for Distribution
	R-0021		ESP Biweekly Update 2_20-26.05.05		Final/Available for Distribution
	R-0022		ESP Biweekly Update 3_27.05-09.06.05		Final/Available for Distribution
	R-0023		ESP Biweekly Update 4_13.06-24.06.05		Final/Available for Distribution
	R-0024		ESP Biweekly Update 5_27.06-08.07.05		Final/Available for Distribution
	R-0025		ESP Biweekly Update 6_11-22.07.05		Final/Available for Distribution
	R-0026		ESP Biweekly Update 7_25.07-05.08.05		Final/Available for Distribution
	R-0027		ESP Biweekly Update 8_08.08-19.08.05		Final/Available for Distribution
	R-0028		ESP Biweekly Update 9_08.22-09.02.05		Final/Available for Distribution
	R-0029		ESP Biweekly Update 13_10.17-28.05		Final/Available for Distribution
	R-0030		ESP Biweekly Update 14_10.31-11.11.05		Final/Available for Distribution
Consultant Report					
	R-0000	01/25/2006	Micro-Credit Finance of Water Connections to New PDAM Customers	Kjell Olsen	Final/Sent to USAID for Review
	R-0000		PDAM Kabupaten Bogor - Analysis of Financial Condition and Preliminary Financial Feasibility Analysis of Investment Proposal	Hagad, Ramon	Draft
	R-0000		PDAM Kabupaten Bogor - Investment Estimate East Bogor Water Supply System Development	Sulaksana, Sonny	Draft
	R-0003	04/21/2005	TAMIS Implementation Exit Report	Fries, Tami	Final/Available for Distribution
	R-0032	11/15/2005	GIS Training Report and Assessment	Fly, Jennifer	Final/Available for Distribution
	R-0042	01/04/2006	PDAM Kota Bogor Stage I Report: Analysis of Financial Condition and Preliminary Financial Analysis of Feasibility of Investment Proposal	Edward David Woodward	Final/Sent to USAID for Review

ESP News				
R-0016	09/30/2005	ESP News, Edition 2, September 2005		Final/Available for Distribution
R-0017	09/13/2005	ESP News, Edition 1, August 2005		Final/Available for Distribution
R-0018	11/08/2005	ESP News, Edition 3, October 2005		Final/Available for Distribution
R-0038	12/19/2005	ESP News, Edition 4, November 2005		Final/Available for Distribution
Manuals/Guidelines				
R-0002	04/13/2005	ESP Small Grants Program Manual	Wouter Sahanaya	Final/Sent to USAID for Review
R-0006	12/29/2005	ESP Performance Monitoring Plans		Final/Sent to USAID for Review
R-0040	12/23/2005	Capacity Building untuk Fasilitator Pendamping	WSM Cianjur Team	Draft
Monitoring & Evaluation Reports				
R-0000	03/31/2005	ESP Aceh Assessment	Ruhe, Edzard, Budiman, Jefry, Ika, Angela, Irfan	Draft
Presentations				
R-0000	10/11/2005	Presentation of Draft of Review Tariff PDAM Tirta Muntala Aceh Besar	Enjang Hasanudin	Draft
R-0001	04/12/2005	ESP Overview to USAID/BHS	Merrill, Reed	Final/Available for Distribution
Quarterly Report				
R-0000	07/30/2005	ESP Quarterly Report 1 December 2004 – June 2005		Final/Available for Distribution
R-0019	11/16/2005	ESP Quarterly Report 2 July-September 2005		Final/Available for Distribution
Surveys				
R-0000		Survey Sumber Daya Air Baku pada Hulu DAS Deli di Kab. Karo dan Kab. Deli Serdang	Spatial Planner/GIS Specialist, North Sumatra	In Preparation
R-0000		Customer Satisfaction Survey PDAM Tirta Malem Kab Karo and PDAM Tirta Wampu Kab Langkat		In Preparation
R-0036	12/31/2005	Survey Awal Kondisi DAS Kr. Aceh	Team ESP & Mapayah, PENA	Final/Sent to USAID for Review
R-0043	01/16/2006	Pemilihan Lokasi dan Stakeholders di Cianjur - Jawa Barat	WSM Cianjur Team	Draft
R-0044	01/16/2006	Pemilihan Lokasi dan Stakeholders di Subang - Jawa Barat	WSM Subang Team	Draft
Technical Reports				
R-0000	09/30/2005	Watershed Management Planning in ESP	Gerard, Jan	In Preparation
R-0000	10/11/2005	Presentation of Draft of Review Tariff PDAM Tirta Muntala Aceh Besar	Enjang Hasanudin	Draft
R-0000	11/30/2005	Community Based Solid Waste Case Study		Draft
R-0000	01/04/2006	Progress Report of Construction Puskesmas WATSAN Facilities Phase I		Draft
R-0000	01/12/2006	Multi Media Campaign I - Water for Life	Farah A, Darma L, Suko W, Syafrizaldi, Katur Nagari	Draft

R-0007	11/30/2005	PDAM Assessment Report	ESP SD Team	Final/Available for Distribution
R-0011		PDAM Benchmarking 2005	PERPAMASIPDAM Benchmarking team	In Preparation
R-0013		PDAM NRW baseline report	ESP SD/team	Planned
R-0014	09/30/2005	Gender Needs Assessment for the Environmental Services Program	Diamond, Nancy,with Lestari, Alifah,Pooroe Utomo, Nona,and Douren, Evi	Final/Available for Distribution
R-0015	09/30/2005	Post Tsunami Water Resource Scoping Study in Banda Aceh	Brown, Phillip	Final/Available for Distribution
R-0037	08/31/2005	Rehabilitasi Lahan Seperti Apa yang Diharapkan Masyarakat Sukaresmi ?	Arman Abdul Rohman, Dede Suryana, Erwinsyah, Sabdo Sumartono	Draft
R-0040	12/23/2005	Capacity Building untuk Fasilitator Pendamping	WSM Cianjur Team	Draft
R-0045	12/15/2005	DED of Puskesmas WATSAN Facilities Phase I (4 units of Puskesmas)	Ridwan Habibie	Final/Sent to USAID for Review
Training/Workshop Proceedings				
R-0000	01/16/2006	NAD/Aceh Besar/TOT Sustainable Livelihoods Assessment		Final/Available for Distribution
R-0000	01/16/2006	NAD/Aceh Besar/TOT Sustainable Livelihoods Assessment		Final/Available for Distribution
R-0039	12/23/2005	Usaha Meningkatkan Kesehatan Masyarakat Melalui Program Pengelolaan Air Bersih dan Lingkungan Hidup di Kecamatan Cianjur, Gekbrong, Warung Kondang, Cugenang, Pacet, Cipanas dan Sukaresmi	Core Team of Cianjur Multistakeholders Forum	Draft
R-0041	12/31/2005	Training for Mapping and Calculation Depth Substrate on Mangrove Land in Jaring Halus, Langkat District	Rizal, M. Khairul	Final/Available for Distribution

* where appropriate

APPENDIX D: WORKSHOPS & TRAININGS

Project Number: 497-M-00-05-00005-00

Training, Workshop and seminar Activities of First Quarter of Second Year (Period of October - December 2005)

Type	Title	Location	Starting Date	End Date	Duration (Days)	Participants	% Female	Budget (\$)
					Total			
	Strategic Management Training - senior Managers	Hotel Sofyan Betawi, Jl. Cut Mutia, Menteng Jakarta Pusat	9/19/2005	10/1/2005	12	25	0.00%	14368.42
	North Sumatera / DAS DELI - Training for Journalist on Conservation	Green Hill Village, Sibolangit, Deliserdang	9/29/2005	10/1/2005	3	18	16.70%	298.00
	GIS-f/up training PDAM Tanah Datar	PDAM Tanah Datar Office	10/6/2005	10/7/2005	2	3	0.00%	86.84
	Financial Training for Official PDAM Tirta Mountala Aceh Besar	Jantho Office PDAM Aceh Besar	10/17/2005	10/18/2005	2	21	23.80%	0.00
	Financial and Customer Relation Training For OFFICIAL PDAM MEULABOH	PDAM TIRTA MEULABOH	11/23/2005	11/24/2005	2	13	30.77%	0.00
Training Course	Refreshing Course for Local CO of Hand Washing Campaign	Village Facilitiesin Tamansari and Padalarang Villages of Bandung District	12/7/2005	12/10/2005	3	168	60.12%	N/A
	Financial & Customer Relation Training for PDAM BANDA ACEH	PDAM BANDA ACEH	11/28/2005	11/28/2005	1	12	25.00%	0.00
	Training of usage laboratory equipment PDAM Tirta Daroy Banda Aceh	Lambaro Laboratory, PDAM Tirta Daroy Banda Aceh	12/9/2005	12/10/2005	2	12	8.33%	0.00
	Training of usage laboratory equipment PDAM Tirta Mountala Aceh Besar	Siron PDAM Tirta Mountala Aceh Besar	12/9/2005	12/10/2005	2	6	0.00%	0.00
	PDAM middle Management Training East-Java	Surabaya or Batu/Malang East Java	12/12/2005	12/23/2005	12	27	18.50%	9473.68

	Workshop of community based solid waste management	Desa Tembung dan Kelurahan Kenangan, Kec. Percut Sei Tuan	8/1/2005	10/21/2005	14	20	20.00%	137.89
	Lokakarya on Health and Hygiene Campaign in Medan	Kel. Aur, Kec. Medan Maimoon dan Kel. Petisah Tengah, Kec. Petisah	9/28/2005	10/2/2005	5	56	41.10%	617.53
	Subang Multi Stakeholders Strategic Planning on WSM Plan Development	Subang	10/2/2005	10/4/2005	3	80	10.00%	8211.79
	Sumbar-Sanitation Road Show	Padang	10/13/2005	10/13/2005	1	23	26.10%	796.03
	Jabar sanitation roadshow	Tarkim West Java, Bandung	10/19/2005	10/19/2005	1	27	18.52%	0.00
Workshop/ Seminar	Sumbar- Presentation Sanitation Mapping	Bappeda Kota Padang & Bappeda Kota Bukittinggi	11/22/2005	11/26/2005	4	26	7.70%	494.02
	Public consultation for Peraturan Daerah Propinsi Jawa Timur (Draft) with issue on Lembaga Transaksi Pengelolaan Jasa Lingkungan (Transaction Institution for Environmental Service Management) in East Java	Malang, Gresik	11/22/2005	12/1/2005	9	75	33.33%	2854.21
	ESP-BORDA CBS Presentation in Kab Deli Serdang, North Sumatra	Deli Serdang	11/23/2005	11/24/2005	2	30	3.30%	696.06
	Sarasehan Upaya Pengembangan Pembibitan Tanaman Kekayuan Berbasis Masyarakat	Joglo, Batu	11/24/2005	11/24/2005	1	61	18.00%	962.21
	Utilization of Environmental Services (water) in Protected Areas Management Workshop	Bogor	11/29/2005	11/30/2005	2	73	18%	2778.95

	ESP WSM Capacity Building & Strategic Planning Workshop	Cianjur, West Java	11/30/2005	12/2/2005	3	42	16.70%	6310.53
	LOKAKARYA DISEMINASI PENINGKATAN KUALITAS DAN AKSES PELAYANAN KB MELALUI PENDEKATAN MANAJEMEN DAN TEHNI TERUJI Kerjasama STARH JHUCCP JAKARTA dengan ESP USAID MEDAN	Grand Angkasa Hotel, Medan North Sumatera	12/6/2005	12/8/2005	3	10	70.00%	909.47
	Padang, West Sumatra: Multistakeholder Workshop "Dari Hulu Air Mengalir, Selamat Kita di Hilir"	Kota Padang	12/21/2005	12/23/2005	3	95	28.40%	3285.32
	ESP Watershed Management and Biodiversity Conservation Capacity Building for Farmer Network of Deli Serdang through Farmer Field School on Re-Discovering Rice	4 Sub-districts in Deli Serdang District: Beringin, Lubuk Pakam, Pagar Merbau, Tanjung Morawa	6/15/2005	10/1/2005	139	34	NA	14401.00
Workshop/ Seminar (cont')	Data Collection on the assessment on Watershed Ecosystem at Community Level in Padang Municipality	10 community groups from 10 Kelurahan of Kota Padang	9/26/2005	11/25/2005	60	225	48%	1484.21
	CSS-West Sumatra	Padang, Solok, Bukittinggi	10/3/2005	12/30/2005	72	65	40.00%	6728.42
	Data Collection on the assessment on Watershed Ecosystem at Community Level in Kota Batu	15 community groups from 13 villages 3 sub district in Kota Batu	10/5/2005	11/7/2005	40	40	20.50%	3021.05
	Survey Awal Kondisi DAS Kr. Aceh	DAS Krueng Aceh	10/12/2005	10/23/2005	22	6	0.00%	0.00
	Introducing of CP to Team CP of PDAM Tirta Muntala Aceh Besar	Jantho Office PDAM Aceh Besar	10/17/2005	10/18/2005	2	21	23.80%	0.00
	Introducing of CP to PDAM Tirta Meulaboh	PDAM MEULABOH	11/22/2005	11/22/2005	1	13	30.80%	0.00
	Introducing of CP to PDAM Banda Aceh	PDAM Banda Aceh	11/28/2005	11/28/2005	1	12	25.00%	0.00
	WS Area Selection Matrix	Banda Aceh	12/19/2005	12/20/2005	2	6	0%	0.00

Study Tour	Study Tour for Cainjur NGO to Kab Bandung - WPL site	Kab Bandung - WPL sites	10/21/2005	10/21/2005	1	4	0.00%	206.11
	Exposure visit LG/East Java to Malaysia	Malaysia	12/4/2005	12/9/2005	5	12	25.00%	19253.47
	Enterpreneurship Training on Organic Waste Management	The University of Brawijaya, Malang	12/8/2005	12/12/2005	5	2	0%	673.68
	Jatim PDAM - GIS exposure vist	PDAM Kab. Tangerang, Kab. Bogor, Kab. Subang, and Kab. Purwakarta	12/12/2005	12/17/2005	6	10	0%	5988.63
Training of Trainers	Water Quality Monitoring Training for Secoded Staf, PDAM ACEH	LABORATORY OF BANDA ACEH	10/10/2005	10/15/2005	6	6	33.30%	0.00
	West Java/Cianjur : TOT Preparation for local SLA Fasilitator	Cianjur	10/20/2005	11/12/2005		300	33.33%	2723.37
	NAD/Aceh Besar/TOT Sustainable Livelihoods Assessment	Desa Saree Aceh Kecamatan Lembah Seulawah Kabupaten Aceh Besar	12/27/2005	12/30/2005	4	52	17%	1434.60

ENVIRONMENTAL SERVICES PROGRAM

Ratu Plaza Building, 17th. Fl.

Jl. Jend. Sudirman No. 9

Jakarta 10270

Indonesia

Tel. +62-21-720-9594

Fax. +62-21-720-4546

www.esp.or.id