

– Terms of Reference –

Implementation of Philippines Multiple-Recipient WOP: Replicating Best Practices in Septage Management

Background

The 2004 Clean Water Act requires local government units (LGUs) and water districts (WDs) to provide their jurisdictions with new wastewater infrastructure, most commonly in the form of septage management programs. To date, with the assistance of USAID Philippines Sanitation Alliance (PSA) and USAID Philippine Water Revolving Fund Support Program (PWRFSF), a number of LGUs and WDs have adopted ordinances requiring septage management, developed feasibility studies for infrastructure development, sought funds for infrastructure investment, and conducted promotion campaigns to build willingness to pay for tariffs.

With these foundational elements in place, a number of cities including Baliwag Water District (BWD), Cabanatuan City Water District (CCWD), Metro-Cebu Water District (MCWD), Laguna Water District (LWD), and Calamba Water District (CWD) now seek technical assistance on the selection of appropriate technologies, design review, collection system development, and septage treatment operations and maintenance. Practical experiences and inputs from peer septage management services providers in the region and/or in the Philippines, shared through water operator partnerships (WOPs), are important in helping the water districts. The Philippine Association of Water Districts (PAWD) is also planning to further disseminate knowledge shared through the WOP for its members.

To support the water districts, AECOM, as the implementer of Environmental Cooperation – Asia (a regional program funded by USAID) and facilitator of WOPs, seeks a wastewater service provider that will provide technical support or mentoring for the noted water districts in developing and implementing their septage management programs. Key selection criteria include:

- (1) Proven experience in participating in WOPs as a mentor on septage management
- (2) Capability to develop and provide training/capacity building using practical lessons and experiences in septage management
- (3) Willingness to commit resources (in-kind or at cost) to support the partnership, such as through cost-sharing of own staff time/labor, provision of materials/documents, and others

Duration

The duration for the WOP is for 15 months starting in January 2011.

Scope of Work

Through the WOP, the mentor wastewater services provider will perform the following activities:

- Conduct on-the-job/classroom training and knowledge sharing activities on:
 - Overview of septage management
 - Exposure to various septage treatment technologies
 - Sizing of facility (using toolkit), conceptual design, and programming cycles
 - Detailed engineering design, technology selection and procurement
 - Private sector participation/public-private partnership, and outsourcing
 - Developing collection strategies, databases, and recordkeeping
 - Septic tank management and O&M

- Commissioning, testing M&E, project/contract management, operators' training and certification
- Sludge disposal options (R&D)
- Provide intermittent remote consultations via email, fax or telephone to assist with applying best practices shared
- Arrange logistics for own staff travel to the Philippines that include international/domestic air tickets, accommodations, local transport, and per diem
- Arrange logistics and program requirements for participants from the Philippines that include local transport, workshop logistics, handout materials, use of mock facilities, and site visit coordination
- Complete regular and final close out report as specified in the joint work plan,

Expected Partnership Outcomes

- Improved access to improved septage management services for at least 45,000 people in the Philippines particularly in Baliwag and Cabanatuan as primary recipients
- Strengthened capacities of the water districts to operate and manage septage management programs in their service areas
- Adoption and application of new practices and policies on septage management introduced through the WOP by the water districts

Principal Deliverables

Outputs	Estimated Deadline
1. Kickoff workshop and orientation on septage treatment systems	31 Jan 2011
2. Training on sizing of facility (using toolkit), conceptual design, and programming cycles	Feb 2011
3. Training on detailed engineering design, technology selection and procurement, private sector participation/public-private partnership, and outsourcing	30 Apr 2011
4. Training on developing collection strategies, databases, and recordkeeping	30 Jun 2011
5. Onsite training on treatment system O&M	30 Sept 2011
6. Training on septic tank management and O&M	30 Nov 2011
7. Training on commissioning, testing M&E, operators' training and certification	15 Feb 2012

Solicitation

Organizations interested in serving as a mentor operator for this WOP should send an expression of interest with qualifications and experience to ECO-Asia at info@eco-asia.org.