

# Integrated Solid Waste Management

## SOURCE BOOK FOR LOCAL GOVERNMENT UNITS

Volume 2: Organizations Offering  
Training on ISWM



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# Acronyms

DAP	- Development Academy of the Philippines
DENR	- Department of Environment and Natural Resources
DILG	- Department of the Interior and Local Government
DOST	- Department of Science and Technology
EIA	- Environmental Impact Assessment
EMS	- Environmental Management System
EO	- Executive Order
ESWM	- Ecological Solid Waste Management
GCEIFI	- Green and Clean Earth International Foundation, Inc.
IDEAS	- Institute for the Development of Educational and Ecological Alternatives, Inc.
IEC	- Information, Education and Communication
IPCT	- Integrated Program on Cleaner Production Technology
ISWM	- Integrated Solid Waste Management
ITDI	- Industrial Technology Development Institute
KILUS	- Kababaihan Iisa ang Layunin Umunlad and Sambayanan
LCE	- Local Chief Executive
LGA	- Local Government Academy
LGU	- Local Government Unit
MRF	- Materials Recovery Facility
MRF	Materials Recovery Facility
NEC	- National Ecology Center
NGO	- Non-Government Organization
NSWMC	- National Solid Waste Management Commission
OIDCI	- Orient Integrated Development Consultants, Inc.
PBE	- Philippine Business for the Environment
RA	- Republic Act
RMPFI	- Recycling Movement of the Philippines Foundation, Inc.
SLF	- Sanitary Landfill
SWAPP	- Solid Waste Management Association of the Philippines
SWARM	- Solid Waste Reduction Plan for Metro Manila
SWM	- Solid Waste Management
TEMPO	- Technology and Livelihood Resource Center - Environment Management Office
TLRC	- Technology and Livelihood Resource Center- Environment Program Office
ZKK	- Zero Kalat sa Kaunlaran Foundation, Inc.
ZWRMPFI	- (Zero Waste) Recycling Movement of the Philippines Foundation, Inc.

## Introduction

**A**long with the enforcement of Republic Act 9003 or the Ecological Solid Waste Management Act, local government units (LGUs) are likewise encouraged to undertake capability-building activities to empower those who are in charge of implementing integrated solid waste management (ISWM) plans.

This pamphlet, ISWM Sourcebook for LGUs (Volume 2), aims to assist LGUs in local capability building by providing a list and description of available training programs offered by various organizations all over the country. This is part of a series of publications on ISWM produced by the Philippine Environmental Governance (EcoGov) Project, an initiative implemented by the Department of Environment and Natural Resources (DENR), with assistance from the United States Agency for International Development (USAID).



This volume comes with ISWM Sourcebook Volume 1, featuring local and international funding organizations that could assist LGUs in carrying out these ISWM training activities.



## **BARANGAY SUN VALLEY**

Residents of Barangay Sun Valley in Parañaque City started segregating their wastes in 1999, when they saw their community's growing garbage problem. It was at this time that they established a solid waste management (SWM) program, which is now being replicated by other barangays from all over the Philippines. They segregate, have an MRF and utilize the latest technology to reduce their wastes.

**Contact:** Bert Guevara, Barangay Captain

**Address:** Sampaguita Road, Sun Valley Subdivision, Bgy. Sun Valley, Parañaque City, 1700

**Telephone:** (02) 823-0230, 821-4143

**Mobile:** 0918-9196650

**Fax:** (02) 821-4140

**e-Mail:** bertguevara@ispbonanza.com.ph

### **List of Training:**

- Trainer's Training on Setting Up a Barangay Integrated Solid Waste Management (ISWM) System
- Cross site visits

**Minimum number of participants:** 30

**Coverage:** Requests for training and site visits should be coordinated with the Barangay a month prior to the activity. Sun Valley trainers can also be invited for out-of-town engagements provided they are given a month's notice.

### **Training fees:**

Fees for local government unit's (LGU) in-house ISWM training are decided on a case-by-case basis.

For cross visits, call or write Barangay Sun Valley for details.



## **BARANGAY UGONG, PASIG KILUS FOUNDATION MULTI-PURPOSE ENVIRONMENTAL COOPERATIVE**

Barangay Ugong in Pasig City is a successful model where SWM is being effectively implemented which can be replicated in other barangays. It started with the initiative of Barangay Chairman Andy Santiago of Ugong Barangay Council when he organized a group of housewives called “Samahan ng mga Kababaihan ng Ugong” (now known as Kababaihan lisa ang Layunin Umunlad ang Sambayanan or KILUS) which was participated by the rest of the neighborhood, mostly mothers, who were determined to instill discipline in their children and neighbors and spearhead workable programs that would benefit the entire community. Their creativity and hard work won for their community the distinction of being the cleanest and greenest barangay in Metro Manila.

**Contact:** Hon. Arnaldo S. Legaspi, Barangay Chairman  
Ms. Editha C. Santiago, Chairperson, KILUS Foundation  
Ms. Carmelita S. Elec, Export Manager, KILUS Foundation

**Address:** Barangay Hall, F. Legaspi St., Ugong, Pasig City

**Telephone Nos:** Bgy. Hall: (02) 671-4071, 671-5956

**Fax:** Bgy. Hall: (02) 671-5956

### **List of Trainings:**

- Waste Management Training
- Waste Segregation Training
- Livelihood Opportunities Training (doy packs)
- Cross site visits

**Minimum number of Participants:** 30

**Coverage:** Nationwide.

**Training Fees:** The host LGU to sponsor the travel, food and accommodation expenses of the resource person/s. Requests for training and site visits should be coordinated with the Foundation a month before the proposed activity. A letter of request should also be submitted.



**DEPARTMENT OF SCIENCE AND TECHNOLOGY-INTEGRATED  
PROGRAM ON CLEANER PRODUCTION TECHNOLOGIES  
(DOST-IPCT)**

The IPCT is one of the programs of the Department of Science and Technology (DOST) - Industrial Technology Development Institute (ITDI) that provides technical and technology assistance to the industry sector in the selection and implementation of cleaner production technologies.

IPCT conducts training/workshops and seminars and develops training manuals to complement the activities in building the technical capabilities of DOST personnel, industries, the academe, LGUs and other stakeholders.

**Contact:** Engr. Rey Esguerra, Project Leader for Clean Production

**Address:** ITDI Institute, DOST Cmpd., General Santos Avenue,  
Bicutan, Taguig

**Telephone No.:** (02) 837-2071 to 82 loc. 2182

**Fax:** (02) 837-2218, 837-2180, 837-3167, 837-6150, 837-6156

**e-Mail:** [rle@dost.gov.ph](mailto:rle@dost.gov.ph)

**Website:** <http://dost.gov.ph>

**List of Training:**

- Plastic Recycling
- Clay Liner for Landfill (including site selection)
- Anaerobic and Aerobic Composting

**Minimum number of participants:** 30

**Coverage:** Training activities are conducted nationwide. Requests for training should be coordinated with the DOST-IPCT a month prior to the activity.

**Training fees:**

Fees are decided on a case-by-case basis. DOST-IPCT and the LGU will have to enter into a Memorandum of Understanding or a Conforme Letter of Agreement depending on the assessed training needs.





## **DEVELOPMENT ACADEMY OF THE PHILIPPINES (DAP)**

For three decades now, DAP is one institution that has focused on approaches to national development. Established in June 1973, its mandate has been to assist in the country's development efforts in two ways: as change catalyst and as capacity-builder. Remaining constantly focused on this two-fold mission, it has assisted in shaping new government policies, crafting innovative development programs, and modernizing the management of government agencies and private enterprises. Its Center for Governance-Local Development Office invites local government units (LGUs) and local communities and institutions to avail of its training programs. The Office offers a portfolio of training programs that aims to strengthen local capacities towards good governance. With its almost three decades of promoting and advocating excellence in local government, DAP guarantees content and approaches that are relevant to the needs of this sector. DAP also customizes programs for LGUs with specific needs.

**Contact:** Ms. Paz Resurreccion M. Alip  
Assistant Vice President, Corporate Communications

Magdalena L. Mendoza  
Managing Director, Center for Governance

Ma. Concepcion P. Pabalan  
Deputy Managing Director, Center for Governance

**Address:** DAP Bldg., San Miguel Avenue, Pasig City

**Telephone Nos:** (02) 631-2131, 631-2139, 631-2146, 631-2157

**Fax:** (020) 631-2123

**e-Mail:** [alip@dap.edu.ph](mailto:alip@dap.edu.ph), [mendozam@dap.edu.ph](mailto:mendozam@dap.edu.ph),  
[pabalanc@dap.edu.ph](mailto:pabalanc@dap.edu.ph)

## List of Trainings:

- **Formulating Strategic Options for LGU Revenue Generation and Resource Mobilization**

The course provides an understanding of the concepts and principles of good fiscal governance. It teaches the five-step model for LGU revenue generation and resource mobilization. Scope and coverage include: important concepts and principles of good fiscal governance; traditional and non-traditional practices of revenue generation and resource mobilization; strategizing for revenue generation and resource mobilization; and indicators for efficient local fiscal administration.

**No. of Participants:** 30

**Mode of delivery:** presently conducted on a live-out arrangement; can be conducted in client's venue

**Training fees:** P6,500 for 3 days (live-out); P40,000/day exclusive of board and lodging, transportation, handouts to be reproduced by client

- **Fund Sourcing Seminar**

The course explores funding options and sources for projects. Local Chief Executives (LCEs) and local government staff involved in project development will learn the requirements, packages of assistance, and financing programs of foreign funding institutions for LGUs. Topics include: legal framework for LGU financing, alternative funding schemes for local development, and other financing institutions.

**No. of Participants:** 30

**Mode of delivery:** presently conducted on a live-out arrangement; can be conducted in client's venue

**Training fees:** P6,500 for 3 days (live-out); P40,000/day exclusive of board and lodging, transportation, handouts to be reproduced by client

- **Enterprise Development Course for Micro-Projects at the Local Level**

The course addresses the need to develop capabilities at the local level in planning and managing local enterprises.

Particularly, it will assist local institutions involved in coordinating small enterprise activities, as well as existing and potential entrepreneurs in identifying appropriate micro-projects. Modules include: the role of small business enterprise in national development, small enterprise identification, and formulation of a business project. *This is a customized course. Details can be worked out with client.*

### ✿ **Foundation Course on Environmental Management**

This course aims to create a fundamental understanding and appreciation of the key issues, concepts, strategies and tools for sound environmental management. The course enables participants to make concrete contributions to the country's sustainable development thrusts through the development of appropriate values and knowledge about key environmental issues as well as foundational principles and tools on environmental management.

The course covers the following topics: environmental situationer, values for the environment, environmental management concepts and principles, the Philippine Strategy for Sustainable development and Agenda 21; pollution control/dealing with industrial and community waste; sectoral contributions in environmental management; environmental management tools, environmental impact assessment, rapid environmental appraisal, land use and natural resources planning, etc.)

**No. of Participants:** 25

**Mode of Delivery:** presently conducted on a live-out arrangement; can be conducted in client's venue

**Training Fees:** P10,000/pax for 5 days (live-out); P40,000/day

### ✿ **Basic Course on ISWM**

The course aims to equip the participants with the right attitude and the suitable technologies, tools or approaches in sustainable waste management.

The course covers the following topics: principles, policies, laws and regulations on solid waste management; designing a framework on ecological solid waste management; analysis and

characterization of solid waste; technologies, tools and approaches in solid waste management; and solid waste management action planning.

**No. of Participants:** 25

**Mode of delivery:** presently conducted on a live-out arrangement; can be conducted in client's venue

**Training Fees:** P10,000/pax for 5 days (live-out); P40,000/day

**Coverage:** Nationwide.

### **List of DAP Offices**

DAP Conference Center and Hostel  
Brgy. Sungay, Tagaytay City  
Tel. (046) 413-1290 to 92  
Fax. No. (046) 413-1290, 413-1292  
Website: <http://yup-ebiz.com/dap>

DAP Pasig Coordinating Office  
4th Floor, DAP Bldg., San Miguel Ave., Pasig City  
Tel. 631-2143, 631-2138, 631-0921 up to 30 loc. 110  
e-Mail: [saycoc@dap.edu.ph](mailto:saycoc@dap.edu.ph)

DAP sa Visayas Office  
Room 205, LDM Bldg.  
M.J. Cuenco cor. Legaspi Sts., Cebu City  
Tel. (032) 254-1126

DAP sa Mindanao  
2nd Floor, CVA Bldg., #6 Jacinto St. Davao City  
Tel. (082) 224-1478 to 88  
Fax. (082) 226-4792  
e-Mail: [dapdavao@mozcom.com](mailto:dapdavao@mozcom.com)



## **ENVIRONMENTAL MANAGEMENT BUREAU- NATIONAL SOLID WASTE MANAGEMENT COMMISSION (EMB-NSWMC)**

NSWMC is the major agency tasked to implement Republic Act 9003, the Ecological Solid Waste Management Act of 2000.

The law, signed in January 26, 2001, calls for the institutionalization of a national program that will manage the control, transfer, transport, processing and disposal of solid waste in the country.

Chaired by the Department of Environment and Natural Resources (DENR), the Commission prescribes policies that effectively achieve the objectives of RA 9003. It oversees the implementation of appropriate SWM plans by end-users and local governments as mandated by law.

The Commission is also ordered to establish the National Ecology Center which will serve as the depot of information, research, database, training, and networking services for the implementation of the provisions of the solid waste management act.

**Contact:** Mr. Albert Magalang, Executive Director

**Address:** 2<sup>nd</sup> Floor, HRD Building, DENR Compound, Visayas Avenue, Diliman, Quezon City

**Telephone Nos:** (02) 920-2252, 925-4796, 925-4797 loc. 3

**Fax:** (02) 920-2252

**List of Trainings:** ESWM trainings being conducted are tailored to the specific needs of the requesting LGU or stakeholder.

**Coverage:** Nationwide.

**Training Fees:** The host LGU is requested to arrange for all the training needs and requirements in the conduct of the training. NSWMC will provide resource persons free of charge.

## Environmental Management Bureau Officials Directory

<p><b>Central Office</b>  <b>JULIAN AMADOR</b>                  Director                  DENR Compound, Visayas Avenue, Diliman QC                  Tel. No.: (02) 927-1517, 927-2238, 927-2260                  Fax No.: (02) 927-1518</p>	<p><b>NCR</b>  <b>SIXTO A. TOLENTINO, JR.</b>                  Director                  Tel. No.: (02) 781-0485 to 88                  Fax No.:</p>
<p><b>Region 1</b>  <b>BENEDICTO MALANO</b>                  OIC, RD                  Marco Building, San Fernando, La Union                  Tel. No.: (072) 242-3057, 2423597                  Fax No.: (072) 242-3032</p>	<p><b>Region 7</b>  <b>BIENVENIDO L. LIPAYON</b>                  OIC, RD                  Greenplains Subd., Banilad, Mandaue City                  Tel. No.: (032) 345-3905, 346-9426                  Fax No.: (032) 346-1647</p>
<p><b>Region 2</b>  <b>ALLAN L. LEUTERIO</b>                  OIC, RD                  EMB Nursery Compound, San Gabriel Village,                  Tuguegarao City, Cagayan                  Tel. No.: (078) 844-4321                  Fax No.:(078) 844-6662</p>	<p><b>Region 8</b>  <b>FEYMIN WEYGAN</b>                  OIC, RD                  3<sup>rd</sup> Floor, P &amp; M Building, Torres Street, Tacloban City                  Tel. No.: (053) 325-2149                  Fax No.: (053) 325-4827</p>
<p><b>Region 3</b>  <b>LORMELYN E. CLAUDIO</b>                  OIC, RD                  4<sup>th</sup> Flr. Melvi Bldg., San Fernando, Pampanga                  Tel. No.: (045) 860-2876, 861-2361                  Fax No.: (045) 861-2253, 9615203</p>	<p><b>Region 9</b>  <b>ALLAN DE GALA</b>                  OIC, RD                  GMV Drive, Gov. Camins Ave., Zamboanga City                  Tel. No.: (062) 992-6547                  Fax No.: (062) 992-6548</p>
<p><b>CALABARZON</b>  <b>LUCIANO G. HORNILLA</b>                  OIC, RD                  1515 L&amp;S Bldg., Roxas Blvd., Ermita, Manila                  Tel. No.: (02) 536-9784                  Mobile: 0919-930-5664</p>	<p><b>Region 10</b>  <b>SABDULLAH C. ABUBACAR</b>                  OIC, RD                  DENR 10 Compound, Macabalan, Cagayan de Oro                  City                  Tel. No.: (08822) 726-243                  Fax No.: (08822) 726-243</p>
<p><b>MIMAROPA</b>  <b>ROBERTO D. SHEEN</b>                  OIC, RD                  1515 L&amp;S Bldg., Roxas Blvd., Ermita, Manila                  Tel. No.: (02) 536-9786, 400-5960 (Girlie)</p>	<p><b>Region 11</b>  <b>GREGORIO T. ESTRADA</b>                  OIC, RD                  Door 2, Felbets Building, Km. 7, Lanang,                  Davao City                  Tel. No.: (082) 233-0809, 235-1259, 235-1354</p>
<p><b>Region 5</b>  <b>GILBERT C. GONZALES</b>                  OIC, RD                  Regional Center, Rawis, Legaspi City                  Tel. No.: (052) 482-0917                  Fax No.: (052) 820-5065</p>	<p><b>Region 12</b>  <b>DATU TUNGKO M. SAIKOL</b>                  OIC, RD                  4<sup>th</sup> Floor, Siyambio Building, Roxas St., Koronadal,                  South Cotabato                  Tel. No.: (083) 228-4847                  Fax No.: (083) 228-4848</p>
<p><b>Region 6</b>  <b>SAMSON J. GUILLERGAN</b>                  OIC, RD                  Pepita Aquino Avenue, Port Area, Iloilo City                  Tel. No.: (033) 337-9801                  Fax No.: 033.336-9910</p>	<p><b>CAR</b>  <b>JOEL SALVADOR</b>                  RD                  Diego Silang St., Baguio City                  Tel. No.: (074) 446-2881                  Fax No.: 074.444-7364</p>
<p><b>CARAGA</b>  <b>ESTHER OLAVIDEZ</b>                  OIC, RD                  Sultan Hotel, Bancasi, Butuan City                  Tel. No.: (085) 342-5332                  Fax No.: (085) 815-1045</p>	



## **GREEN & CLEAN EARTH INTERNATIONAL FOUNDATION, Inc.**

The Green & Clean Earth International Foundation, Inc. (GCEIFI) was created to advocate, provide consulting services, and develop and implement projects with national and international organizations towards a responsible stewardship of the environment for a sustainable ecosystem and development. It believes in thinking globally while acting locally to apply the environmental preservation principles and practices.

**Contact:** Ninpha G. Gatdula, Vice Chairperson  
Dr. Israel G. Bentillo, Vice President for Operations

**Address:** 7/F CLMC Building, 259-269 EDSA, Greenhills  
Mandaluyong City, Metro Manila Philippines

**Telephone No.:** (02) 724-6878                      **Fax No:** (02) 725-6277

**Mobile:** (0917) 841-5940 (Ms. Ninpha Gatdula)  
(0917) 997-9001 (Dr. Israel Bentillo)

**e-Mail:** [greenearth@naturemail.net](mailto:greenearth@naturemail.net); [nggatdula@edsamail.com.ph](mailto:nggatdula@edsamail.com.ph);  
[nggatdula@yahoo.com](mailto:nggatdula@yahoo.com); [igbentillo@yahoo.com](mailto:igbentillo@yahoo.com)

### **List of Trainings:**

- ✱ Accelerated waste management system with the use of multi waste machine and biodigester
- ✱ Waste to energy training
- ✱ Design and construction of material recovery facility (MRF) & sanitary landfill (SLF)

### **Minimum number of participants: 20**

**Coverage:** Trainings are conducted on and off site. GCEIFI requires that a letter of request is submitted 2-3 weeks before the training. Tie ups with Mindanao State University and other links in General Santos, Maguindanao, Iligan, Marawi

**Training Fees:** Negotiable



## **MOTHER EARTH FOUNDATION**

Mother Earth Foundation is an NGO of men and women in the Philippines that seeks to raise the level of public awareness on environmental issues and mobilize people to act positively on the resolution of these issues. It is also a nerve center that links active green groups through networking.

**Contact:** Sonia S. Mendoza, President  
Teresa Calo

**Address:** 2/F PhilDHERRA Bldg., 59 C. Salvador St., Loyola Heights,  
Quezon City, 1112

**Telephone Nos:** (02) 925-3829, 434-5381

**Fax No.:** (02) 925-3829

**Mobile:** 0920-9068809 (Sonia Mendoza)  
0917-6455837 (Teresa Calo)

**Email:** [motherearth\\_foundation@yahoo.com](mailto:motherearth_foundation@yahoo.com),  
[motherearth@tri-sys.com](mailto:motherearth@tri-sys.com)

### **List of Trainings:**

- ESWM Training on Inner Ecology
- ESWM Training on Outer Ecology
- Livelihood Trainings from Recyclables

**Minimum No. of Participants:** 100

**Coverage:** Nationwide

**Training Fees:** Training fees are decided on a case-by-case basis. Mother Earth Foundation requires that the requesting LGU to sponsor the travel, food and accommodation expenses of the ESWM trainers.





## **ORIENT INTEGRATED DEVELOPMENT CONSULTANTS, INC. (OIDCI)**

OIDCI is an all-Filipino private company, has the distinction of being the pioneer in the integration of area-focused development with environment natural resource management and local governance. OIDCI has developed the methodologies, tools and practices of integrating these development concerns.

OIDCI makes available to its stakeholders technical services that create applicable, effective and long-lasting solutions to five major concerns in the areas of integrated area/regional development, environmental and natural resources management, water resource development, training and institutional development, and governance.

OIDCI's training services focus on capability building and strengthening of implementing institutions, LGUs and community groups through human resource development, technology transfer, on-the-job training and other forms of training activities. We design a technical assistance approach tailored to respond to client needs for capacity building and cost-effectiveness.

**Contact Persons:** Mr. Dante B. de los Angeles, President  
Mr. Leonardo V. Dayao, Training Director

**Address:** 2<sup>nd</sup> Floor, FSS Bldg., 89 Scout Castor Street, Quezon City

**Telephone Nos:** (02) 374-0761, 374-0757, 413-2187, 413-7229

**Fax:** (02) 413-2326

**Email:** oidci@orient.com.ph; training@orient.com.ph

**Website:** www.orient.com.ph

## List of Trainings on SWM

- **Training Course on Preparing and Mobilizing a Responsive and ISWM Program**

This training course focuses on two major concerns: to enable the participants obtain an adequate understanding and appreciation of the solid waste problem and management processes, and to provide them with the practical tools and methodologies in mobilizing an integrated and localized SWM program. Emphasis is focused on the need for an integrated approach in addressing and managing solid waste.

- **Training on the Establishment and Operations of an MRF**

This training is intended to build and strengthen the capabilities of the participants in setting up their MRFs and provide them the necessary skills in managing the same. The training involves exposure visit to selected MRFs, technical sessions on the processes and requirements of establishing and operating MRF.

- **Training on ESWM Planning and Policy Development and Enforcement**

This training is designed to equip the participants with basic knowledge, tools and skills necessary for formulating a responsive ESWM Plan using participatory planning process and tools. These consist of how to's in conducting SWM appraisal, reviewing SWM options and consensus building, and steps/procedures in writing the plan. The training also covers orientation on policy development and enforcement for SWM. The training highlights a sharing session on LGU experience in preparing their SWM Plan and/or formulating and enforcing SWM ordinances/policies.

- **Training on Improving Solid Waste Disposal Facility**

This training is designed to provide LGUs ways and means to localize the implementation of a controlled dump and an engineered SLF. The training consists of exposure visits to

selected dumpsites, technical sessions on processes and requirements of design, operating and maintaining disposal facilities including their maintenance and housekeeping procedures.

**Maximum No. of Participants:** 30

**Coverage:** The four modules described above are customized training that can be held on-site (provincial/city/municipal level). OI DCI prefers a contract to conduct the whole facet of the SWM training module, including kits and materials rather than being invited as resource speakers. In order to fully customize the training design, OI DCI needs at the least one month preparatory work.

**Training Fees:** For negotiation

## **PHILIPPINE BUSINESS FOR THE ENVIRONMENT (PBE)**

PBE is a non-profit organization established in 1992 by businesspersons to assist industry to address its environmental concerns. PBE's key roles include: environmental information support provider, environmental advocate (e.g., on cleaner production, voluntary industry self-regulation), capacity builder (through seminars and technical assistance programs on environmental management system, CP, etc.) and linkage builder.

**Contact:** Lisa C. Antonio, Executive Director

**Address:** 2/F DAP Building San Miguel Ave., Ortigas Center,  
Pasig City

**Telephone Nos:** (02) 635-3670, 635-2650 to 51

**Fax:** (02) 631-5714

**Email:** ctem@csi.com.ph

**Website:** [www.pbe.org.ph](http://www.pbe.org.ph) / [www.iem.net.ph](http://www.iem.net.ph)

### **List of Trainings on SWM**

- Industry Waste Exchange
- Resource Recovery and Recycling (of Industrial Wastes)
- Organizing Recyclable Collection of Wastes

**Minimum No. of Participants:** 30-35

**Coverage:** Trainings are conducted either as public offerings or customized seminars on and off site, with the latter usually requiring a letter of request and 2-3 weeks advance notice.

### **Training Fees**

- For public offerings: P3,750/day/pax (inclusive of materials, food, venue)
- For customized seminars/resource persons: negotiable



## **SOLID WASTE MANAGEMENT ASSOCIATION OF THE PHILIPPINES (SWAPP)**

SWAPP is a non-profit organization composed mainly of LGUs. It also includes people from the academe, private sector as well as students and other SWM practitioners. At present, SWAPP has over 250 members who are active SWM practitioners.

**Contact:** Ms. Lizette Cardenas, Executive Director

**Address:** Unit 110 CCH Building, 136 LP Leviste St., Salcedo Village,  
Makati City

**Telephone No.:** (02) 830-0051 and 830-0005

**Fax:** (02) 830-0051 and 830-0005

**e-Mail:** info@swapp.org

**Website:** <http://www.swapp.org/index.html>

### **Objectives:**

1. Consolidate the efforts of SWM practitioners which include national government agencies, LGUs, institutions, NGOs and other entities in the management of solid waste;
2. Establish/strengthen partnerships between and among national government agencies, LGUs, institutions, SWM practitioners, NGOs, funding agencies/institutions and international association and organizations;
3. Provide advisory services to LCEs and decision-makers on SWM; and
4. Advocate policy reforms for improved localized SWM.

### **Service Programs**

**Training and conference services** - SWAPP provides high quality training to interested LGUs, institutions and individuals on doable approaches and tools through its regular offerings and customized training programs.

**Research and development services** - SWAPP collaborates with resource institutions in the development, demonstration and documentation of improved methods and technologies. It also supports the wide-scale diffusion of current and promising best practices, approaches and technologies in Integrated SWM.

**Information services** - SWAPP develops and disseminates information to regularly update SWAPP members of opportunities that could help them in their own initiatives. It also produces an annual newsletter (WASTEMATTERS) containing relevant information on current practices, technologies and opportunities in SWM.

**Policy reform** - SWAPP also promotes SWM awareness and participation of its members in the development of proposals for policy reforms.

**Resource generation and mobilization** - SWAPP develops and mobilizes strategies for recruitment of members and volunteers as well as strategies for project development and fund generation in support of its various programs.

### **List of Trainings**

- Trainor's Training on the Establishment and Operation of MRF
- Trainor's Training on ESWM Planning and Policy Development and Enforcement
- Trainor's Training on Improving Solid Waste Disposal Facilities
- Trainor's Training on Improving Waste Collection and Transport System Directory
- Trainor's Training on Promoting SWM Program through Social Marketing
- Trainor's Training on Developing an ESWM Plans
- Trainor's Training on Barangay Planning and Budgeting for ESWM Programs
- Trainor's Training on the Design Manual for ESWM Facilities for Buildings
- Trainor's Training on Setting Up a Monitoring and Feedback System for ESWM Program

**Minimum number of participants:** 30

**Coverage:** For Luzon trainings, SWAPP requests LGUs to submit a letter at least a month in advance. For Visayas and Mindanao, requests should be submitted at least three months in advance.

**Training fees:**

Fees for LGU's in-house ISWM training are decided on a case-by-case basis.

For SWAPP-sponsored trainings, registration fees of P7,500 for each live-in participant (which covers training materials, food, and accommodation) and P4,500 for each live-out participant (covering training materials and meals) are required.



**TECHNOLOGY AND LIVELIHOOD RESOURCE CENTER -  
ENVIRONMENT MANAGEMENT PROGRAM OFFICE  
(TEMPO)**

**Contact:** Mr. Tito D. Fortes, Program Manager

**Address:** Rm. 902, 9th Flr., Citystate Center Bldg.,  
Shaw Blvd., Pasig City

**Telephone:** (02) 633-6413, 637-4108 to 12 local 902 or 905

**Fax:** (02) 637-4156

**e-Mail:** titofortes@tlrc.gov.ph

**Website:** www.tlrc.gov.ph

**List of Training:**

- \* SWM Training
- \* SWM Training and Livelihood Opportunities

**Minimum number of participants:** 30

**Coverage:** Training programs are conducted nationwide. Requests for training should be coordinated with the TEMPO a month prior to training.

**Training fees:** Fees are subject to negotiations with the LGU.





## **THE LOCAL GOVERNMENT ACADEMY (LGA)**

LGA was created as a national training institution to coordinate, synchronize, rationalize, and deliver training programs for local governments. It was formally organized in August 1988 as the training arm of the Department of the Interior and Local Government (DILG).

**Contact:** Marivel C. Sacendoncillo, Executive Director  
Jay Ablay, SWM Contact Person, Education and Training Division

**Address:** 8F Agustin I Building, Emerald Avenue, Ortigas Center, Pasig City 1605

**Telephone Nos:** (02) 634-6460, 634-8436

**Fax:** (02) 634-6567

**e-Mail:** [execdir@lga.gov.ph](mailto:execdir@lga.gov.ph)

**Website:** [www.lga.gov.ph](http://www.lga.gov.ph)

### **List of Trainings:**

- **SWM** - This training aims to equip DILG field personnel with the necessary knowledge and skills on ESWM, as well as the tools and techniques of coaching local government leaders.
  
- **SWAPP and DILG-LGA Joint Training Programs**
  - ◆ Establishment and operations of an MRF
  - ◆ Developing an ESWM Plan
  - ◆ Improving waste disposal facilities of local governments
  - ◆ Barangay planning and budgeting for SWM programs
  - ◆ Developing a community-based ESWM information, education and communications program
  - ◆ Participatory monitoring and evaluation system for SWM programs

**Minimum number of Participants:** 30

**Coverage:** Trainings are conducted either as public offerings or customized seminars on and off site, with the latter usually requiring letter of request and 2-3 weeks advance notice.

**Training Fees:** See website for latest public offerings



**THE NATIONAL ECOLOGY CENTER/  
(ZERO WASTE) RECYCLING MOVEMENT  
OF THE PHILIPPINES FOUNDATION, INC.**

The NEC has been identified as a major factor in the implementation and success of RA 9003. It provides consultancy, information, training and networking services in coordination with the (Zero Waste) Recycling Movement of the Philippines Foundation, Inc. (RMPFI), one of the pioneering NGOs advocating a fundamental change in the attitude and values of people on SWM.

**Contact:** Mr. Albert Magalang, NSWMC Director  
Mrs. Juanita Abaquin, President, RMPFI  
For Livelihood Trainings: Mrs. Ofelia Panganiban, RMPFI

**Address:** The National Ecology Center, East Avenue  
(fronting The Philippine Heart Center for Asia)  
Diliman, Quezon City

**Telephone Nos:** (02) 925-4718 (National Ecology Center)  
(02) 920-4570 (Livelihood Training)

**Mobile:** 0917-4624509  
0919-8720804 (Livelihood Training)

**Fax:** (02) 412-7088

**List of Trainings:**

- \* From Trash to Cash Livelihood Training
  - ◆ Non-biodegradable materials such as plastic bags, plastic straws, doypacks, bottles and paper converted into saleable handicrafts/decorative materials
  - ◆ Biodegradable materials such as corn husks, different fruit/vegetable peelings converted into saleable handicrafts/decorative materials.
  - ◆ Coco Virgin Oil Making
  - ◆ Soap Making from used cooking oil

- Training on Setting Up an MRF
- Vermicomposting
- Training on Segregation at Source
- Eco Aide Training
- Training on How to Implement RA 9003 for Barangays and LGUs
- Training on the Proper Handling of Treated Hospital Wastes with Livelihood Opportunities (Hallow-block Making)
- Training on How to Set Up an Organic Vegetable and Vertical Garden
- Training on How to Set Up a Herbal Garden
- Three-Day Seminar on ESWM (Zero Waste Management)
- Anatomy of Garbage
- Ecology 101
- Solid Waste Master Plan for Subdivisions

**Minimum number of Participants:** 25

**Coverage:** The NEC and RMPFI conducts nationwide training for LGUs. For barangays in Metro Manila and adjacent provinces, ESWM training programs are conducted at the NEC Training Center.

**Training Fees:** Fees are decided on a case-by-case basis.



## **ZERO KALAT SA KAUNLARAN FOUNDATION (ZKK)**

ZKK was founded in 1998 as a reaction to the growing waste problem in the Metro Manila area. They provide training to LGUs and communities on how to convert recyclable materials into profitable products.

**Contact:** Dr. Ma. Judea Millora

**Address:** #6 Lapu-lapu Avenue, Kaunlaran Village, Navotas

**Telephone No.:** (02) 415-4047 or 374-6594

**Fax:** (02) 374-6594

**Mobile:** 0917-8400694

**e-Mail:** zkk\_foundation@hotmail.com

**Website:** www.zkkbuilder.org

### **List of Trainings:**

- a) Training 101: *Ekolohiya Pangmasa*

This training module educates the trainees on the practical application of the ESWM Act of 2000, otherwise known as RA 9003. This module introduces the Act in an easy-to-understand, no-nonsense, and enabling manner.

- b) Training 201: *Ekolohiyang Pangkabuhayan* (Livelihood training component)

This training teaches livelihood activities that use alternative materials from residual and recyclable materials.

Components:

- 1) Glass painting  
This module teaches the step-by-step procedure on painting flat-surfaced glasses and bottles which can serve as decorative items, containers or vases. The finished products can be sold for a higher price.
  - 2) Paper craft  
This module teaches paper weaving to produce souvenir, decorative and other items using pages of old telephone directories and colored magazines.
  - 3) Virgin coconut oil extraction  
This module provides the trainees with the health benefits of using virgin coconut oil and a step-by-step procedure for extracting virgin oil from coconut.
  - 4) Soap making  
This module teaches the step-by-step procedure for making soap out of used oil. Although this training is intended for the recycling of used oil, soap making skills learned can likewise be applied using raw materials.
  - 5) Cooking demonstration on banana recipes  
This is a basic cooking lesson on the various concoctions of dishes using banana peelings.
- c) Training 301: *Ekolohiyang Pangambahayan*

This module is intended for communities planning for waste management in their localities. The trainees will be taught the enabling principles of waste segregation, setting up MRFs, and other waste management principles and practices that will benefit the communities.

**Minimum number of participants:** 30

**Coverage:** For Metro Manila and nearby provinces, ZKK needs at least one month advance notice. For Visayas and Mindanao, at least three months advance notice is needed.

**Training fees:** Training fees are decided on a case-by-case basis. However, for Visayas and Mindanao, ZKK requires the requesting LGU to sponsor the travel and accommodation expenses of the ISWM trainers.



# EcoGovernance



Development *Alternatives*, Inc.