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DENR - DOST JOINT ADMINISTRATIVE ORDER NO. 01
Series of 2006

Subject : **ADOPTING ENVIRONMENTAL TECHNOLOGY
VERIFICATION PROTOCOL (ETVP)**

Republic Act No. 8749 (Clean Air Act), Republic Act No. 9275 (Clean Water Act) and Republic Act No. 9003 (Ecological Solid Waste Management Act) recognize the role of environmentally sound technologies in managing air and water quality and in ensuring a healthy environment and the use of cleaner production technologies.

Pursuant to the provisions of the Revised Administrative Code (Executive Order 292), Book IV Title XVIII Chapter 1 Section 3, the Department of Science and Technology (DOST), is mandated to promote, assist and where appropriate, undertake scientific and technological research and development, promote the development of indigenous technology and adaptation of suitable imported technology, and, in this regard, undertake technology development and undertake policy research, technology assessment, among others. Republic Act 9275 Section 22 (e) tasked the DOST, in coordination with the Department of Environment and Natural Resources (DENR) and other concerned agencies, to prepare a program for the evaluation, verification, development and public dissemination of pollution prevention and cleaner production technologies.

EO 292, Book IV Title XIV Chapter 1, Section 4, paragraph 9 [e] authorizes the (DENR) to establish policies and programs for the maintenance of a wholesome natural environment by enforcing environmental protection laws. In addition, paragraph 11 of the same section, empowers the DENR to promulgate rules and regulations for the control of water, air and land pollution. Republic Act 8749 Section 20 paragraph (3) mandates the DENR to promote the use of state-of-the-art, environmentally-sound and safe technologies for the treatment of wastes. DENR was tasked by RA 8749 (Section 34) and RA 9275 (Section 19) as the primary government agency responsible to implement the provisions of these laws.

In view of the foregoing, the DENR and the DOST promulgate this Joint Administrative Order for the guidance of all concerned.



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Section 1. Objectives.

It shall be the objective of this Joint Administrative Order to:

- a. prescribe the Environmental Technology Verification Protocol;
- b. define the authority of the DOST as the primary agency in the implementation of the Environmental Technology Verification Protocol Technology, with the DENR as a support agency; and,
- c. harmonize efforts of the DENR and the DOST on environmental technology verification.

Section 2. Coverage

This Order shall cover the technology review and verification process of new and modified technology for the following:

- a. use of technology in treatment, storage and disposal of wastes;
- b. use of technology in pollution control and abatement; and,
- c. best environmental technology;
- d. cleaner productions technologies.

Section 3. Definition of Terms

- a. Environmental Technology Verification Protocol (ETVP) – refers to the implementation of a real world test and demonstration to verify or prove claims on the functional performance of a particular technology with regard to all relevant parameters.
- b. Technical Protocol – refers to the details of the test plan for the conduct of the performance verification.

Section 4. Duties and Responsibilities

The DENR and DOST shall have the following duties and responsibilities:

A. The DENR shall:

1. Recognize the Environmental Technology Verification Protocol (ETVP) of the DOST and make its findings as the basis for the granting and approval of applicable permits or clearances;
2. Refer all applications for Technology Approval to the DOST for assessment, review and evaluation;
3. Assist DOST through technical support as deemed necessary;



4. Advise concerned project proponents of the need to undergo the ETVP from DOST; and,
5. Perform other duties and responsibilities to achieve the objectives of this Order;

B. The DOST shall:

1. Review, assess and evaluate all applications for ETVP using its own guidelines and protocol;
2. Issue the appropriate Technology Verification Statement;
3. Modify and revise its Protocol as deemed necessary;
4. Advise and secure from DENR any technical support as deemed necessary; and,
5. Perform such other duties and responsibilities to achieve these objectives.

Section 5. Environmental Technology Verification Protocol

The DENR shall no longer process and approve applications for Technology Approvals. All applications for technology approval and review shall be subject to the Technology Protocol on Environmental Technology Verification of the DOST thru its Industrial Technology Development Institute.

The DOST shall promulgate and adopt its own guidelines and procedure for the implementation and institutionalization of the Environmental Technology Verification Protocol. The DOST may increase the coverage of the ETVP pursuant to its mandate and as the need arises.

Section 6. Fees and Charges.

The DOST shall collect the appropriate fees and charges, *provided that*; applications for technology verification under Republic Act 8749 (Clean Air Act) shall accrue to the Air Quality Management Fund. The DOST may however, request the utilization of such fund subject to approval and procedure pursuant to DENR Memorandum Circular No. 10, series of 2004, DENR-DBM Joint Memorandum Circular 01-2004, Implementing Guidelines on the Operationalization of the Air Quality Management Fund.

Section 7. Repealing Clause

All other issuances whose provisions of DENR and DOST Administrative Order, Memorandum Circulars or other issuances inconsistent herewith are hereby repealed or modified accordingly.



Section 8. Amendments

Amendments to this Agreement shall be upon mutual consent of the Parties.

Section 9. Effectivity

This Order shall take effect immediately.



DENR
HEA-0012327

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Secretary
Department of Environment
and Natural Resources

ESTRELLA F. ALABASTRO
Secretary
Department of Science
and Technology

PHILIPPINE ENVIRONMENTAL VERIFICATION PROGRAM

1. BACKGROUND

Philippine environmental situationer
Policies and programs of DENR
Technological interventions
Need for ETV

2. PREVIOUS AND CURRENT EFFORTS ON ETV

Philippine participation to APEC-ETV workshop
ITDI efforts, including training at CERF and stakeholders workshop
Alternative fuels and raw materials
Joint AO between DENR & DOST
IPCT
ADB TA on CP
Evaluation of technologies

Identifying and bridging the gap

3. ETV PROGRAM

GOAL: Protect human health and the environment by providing objective performance evaluation of environmental technologies to decision makers and stakeholders

OBJECTIVES:

- Develop → policies and procedures
- Conduct → IEC/capability building
- Establish → network
- Perform → pilot tests
- Create and maintain → databases of technologies and experts



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PROCEDURAL FLOW FOR ETE/ETV

STEP	PROCEDURE	RESPONSIBLE PERSONNEL/ OFFICE / UNIT	NORMAL PROCESSING TIME	COST/FEE
1	Submits to EMB for permit/ ECC/certificate requirements	Proponent		
2	Refers to ITDI if ETV required	EMB		
3	Pays processing fee to ITDI cashier and submits to ITDI OD for ETV	Proponent		200.00
4	Receives application and forwards to ITDI Director	OD Staff		
5	Refers application to ETV Program	ITDI Director		
6	Logs onto communications database and releases to ETV Program	OD Staff		
7	Receives application and forwards to ETV Manager	ETV Administrative Staff		
8	Designates ETV staff for review of application and classification of technology	ETV Manager		
9	Classifies technology according to tier and advices proponent on classification	ETV Manager/Project Manager		
10 11 12 13 14 15 16	Tier 1: Prepares Tier 1 certificate Initials and endorses certificate Logs into technology database Releases certificate to OD Logs onto communications database and forwards to Director Reviews and signs certificate Logs onto database and releases to Proponent	Project Manager ETV Manager ETV MIS Staff ETV Administrative Staff OD Staff ITDI Director OD Staff	1 day	



17	Tier 2: Pays Tier 2 fees at ITDI cashier	Proponent	working days	6,000.00
18	Forms evaluation team	Project Manager		
19	Evaluates technology	ETE Team		
20	Prepares ETE statement	Project Manager		
21	Reviews and endorses ETE statement	ETV Manager		
22	Logs into technology database	ETV MIS Staff		
23	Releases certificate to OD	ETV Administrative Staff		
24	Logs onto communications database and forwards to Director	OD Staff		
25	Reviews and signs ETE statement	ITDI Director		
26	Logs onto database and releases to Proponent	OD Staff		
27	Tier 3: Pays 60% of Tier 3 fees at ITDI cashier	Proponent	20 working days	21,600.00 Fees to ITDI excludes cost of sampling and analysis and other incidental expenses
28	Forms ETV panel	Project manager/Proponent		
29	Test plan development	ETV Panel		
30	Prepares transmittal letter	Project Manager		
31	Initials and endorses transmittal letter	ETV Manager		
32	Logs into technology database	ETV MIS Staff		
33	Releases test plan to OD	ETV Administrative Staff		
34	Logs onto communications database and forwards to Director	OD Staff		
35	Signs transmittal letter	ITDI Director		
36	Pays 40% of Tier 3 fees at ITDI cashier	Proponent		8,640.00
37	Logs onto database and releases to Proponent	OD Staff		
38	Writes letter to ITDI (cc: EMB) and informs of intention to implement test plan	Proponent		
39	Logs onto communications database and forwards to Director	OD Staff		
40	Forwards letter to ETV Program for proper action	ITDI Director		
41	Receives letter and forward to ETV Manager	ETV Administrative Staff		
42	Designates Project Manager	ETV Manager		
43	Coordinates with Proponent implementation of test plan	Project Manager		
44	Pays test plan execution fees at ITDI Cashier and proceeds to ETV office to discuss report preparation	Proponent		Fees to ITDI excludes cost of sampling and analysis and other incidental expenses



45	Executes test plan	Proponent/Project manager	TBD	TBD
46	Meets to discuss reprot preparation details	Proponet/ETV Manager/Project Manager	20 working days	
47	Prepares ETV Report and Statement	Project manager		
48	Reviews and comments ETV Report and Statement	ETV Panel		
49	Finalizes ETV Report and Statement; prepares transmittal letter	Project Manager		
50	Initials and endorses transmittal letter	ETV Manager		
51	Logs into technology database	ETV MIS Staff		
52	Releases test plan to OD	ETV Administrative Staff		
53	Logs onto communications database and forwards to Director	OD Staff		
54	Reviews reports and signs transmittal letter	ITDI Director		
55	Logs onto database and releases to Proponent	OD Staff		
56	Submits Tier 1 Certificate/ETE Statement/ETV Statement and Report to EMB for appropriate action	Proponent		

