

# **ASEAN IWRM Country Strategy Guidelines**

## **- IWRM Monitoring Status Guidelines for ASEAN Countries**

### **1. Background**

The ASEAN Working Group on Water Resources Management (AWGWRM) has developed an ASEAN Strategic Plan of Action on Water Resources Management with the support from the Australian Government in 2005. To support the implementation of the Plan, ten project concept proposals were formulated and included in the Appendix of the Strategic Plan Report. One of the ten project concepts: Project Concept 2 is on the development of an “ASEAN IWRM Country Strategy Guidelines”. DID Malaysia was requested by the AWGWRM to organize and conduct a workshop to develop the details of the “ASEAN IWRM Country Strategy Guidelines”.

The workshop participants agreed that the generic ASEAN/IWRM framework will be structured on the following 6 major water management issues in ASEAN:

- Water Supply
- Irrigation
- Stormwater Management
- Floods Management
- Water Pollution Management
- Sanitation Management

Arising from the workshop the following outputs have been prepared for use by ASEAN countries to assist them in preparing and reporting on their respective countries' IWRM action plans and strategies to address the above 6 thematic issues.

- (a) A set of specific IWRM goals for the above 6 key water-related issues in the region.
- (b) For each set of thematic goals a set of IWRM objectives to achieve the goals have also been identified, categorized under the 3 categories of GWP IWRM tools, i.e. Enabling environment, Institutional environment and Management tools.
- (c) Also indicators for measuring the progress in achieving the objectives associated with each of the thematic goals have been developed. They can be used for measuring regional performance and progress towards meeting the IWRM goals for the 6 key water related issues in the region.

### **2. The ASEAN IWRM Monitoring Status Guidelines**

The Workshop participants in Malaysia have agreed to develop monitoring guidelines for six key water management issues that are considered important in ASEAN countries. They are as follows:

- (a) Water Supply Management
- (b) Irrigation Management
- (c) Stormwater Management
- (d) Flood Management
- (e) Water Pollution Management
- (f) Sanitation Management

The following are the monitoring guidelines for the above 6 key water management issues.

<b>IWRM Issue 6 – Sanitation Management (18 indicators)</b>			
<b>Indicator Types</b>	<b>Indicators</b>	<b>Progress</b>	<b>Description</b>
<b>Outcome Indicators</b>	1. Percentage of rural population having access to improved sanitation system	%	SPAN
	2. Percentage of urban population having access to improved sanitation system and served by sewer network	%	SPAN
	3. Percentage of treated wastewater reused for non-potable purpose (i.e. further treatment after wastewater treatment process) [e.g. for washing, cleaning, irrigation]	%	SPAN
<b>EE Indicators</b>	1. Any “Policy” on urban/ rural sanitation and sewerage systems	Yes (8) No (1-7) NA	SPAN
	2. Any “Legislation/Regulations” on urban/ rural sanitation and sewerage systems		SPAN
	3. Any “Financial framework and Financial plans” for urban/ rural sanitation and sewerage systems		SEWERAGE: JPP dan PBT
<b>IS Indicators</b>	1. Any Integrated national and provincial institutions to implement sanitation policies	Yes (8) No (1-7) NA	SPAN
	2. Any Policy and Planning Department on sanitation and sewerage		SPAN dan PETRA
	3. Any Project management Department for sanitation and sewerage		SEWERAGE : JPP
	4. Any Development control branch or unit for sanitation and sewerage		NO
	5. Any private sector participant in providing sanitation services for the people		Not applicable
	6. Any sewerage Network Rehabilitation department		NO
	7. Any Sewerage & Sanitation Maintenance department		Sewerage: Operation & Maintenance by IWK
<b>MT Indicators</b>	1. Any national sanitation/ sewerage information system/ database	Yes (8) No (1-7) NA	No integrated system and managed by individual agencies
	2. Any comprehensive sewerage/ sanitation master plan at national, regional and local levels		SPAN
	3. Any code of practice for sewerage and		MSIG & EQA

	sanitation system design		
	4. Any system for treating wastewater for reuse [for non-potable water purposes (i.e. further treatment after waste water treatment process)]		Water Reclamation Plant (WRP)
	5. Any sludge disposal programs and systems		Sludge disposal for public plants managed by IWK