

Policy Issues on **WASTEWATER** in the Laguna Lake Basin

Water Pollution

SOURCES	ISSUES/GAPS
Domestic wastewater	- Only about ___% of sewage in the Laguna de bay region is treated and disposed of in an environmentally sound manner
	- Investment gaps in sewerage system, sewage and septage management/treatment
	- Gains in curbing industrial pollution thru regulatory tools/ economic instruments undermined by household discharges



Water Pollution

SOURCES	ISSUES/GAPS
Industrial wastewater	- Not all industries/establishments have appropriate wastewater treatment facilities due to capital investment inadequacy
	- non-compliance of small and medium enterprises (i.e slaughterhouses and fastfood and restaurants)
	- Proposed amendment of DAO 34 and DAO 35 is still pending for approval

Water Pollution

SOURCES	ISSUES/GAPS
Industrial wastewater	- Effluent regulation was based on concentrations of pollutants regardless of volume
	- Only industries/establishments are covered by the Environmental User Fees and penalties
	- Siltation due to run-off from quarrying sites

Water Pollution

SOURCES	ISSUES/GAPS
Agricultural wastewater	<ul style="list-style-type: none">- A number of farms including backyard animal farms have no appropriate wastewater treatment facilities
	<ul style="list-style-type: none">- Agricultural run-off include organic wastes such as decayed plants, livestock manure, dead animals, soil loss in the form suspended solids, pesticides and fertilizer residues
	<ul style="list-style-type: none">- No monitoring system for non-point sources thus it is difficult to control and monitor

Water Pollution

SOURCES	ISSUES/GAPS
Unmanaged Solid waste and leachate	- Low environmental awareness among citizens/inadequate information dissemination campaign
	- Clogged estuaries and river system
	- Sanitary landfills do not have treatment system for leachate (only collection and recirculation)
Fisheries	- Introduction of artificial feeds
	- Direct discharge of wastewater generated by caretakers/guards



Water Pollution

Other Issues:

- Implementation and enforcement of environmental laws needs improvement
- Overlapping functions of different agencies and LGUs
- Inadequate budget allocation for environmental protection
- Environmental management is not included in the priority programs in some LGUs



Impetus to Addressing Issues/Gaps

- Supreme Court decision mandating the clean up of Manila Bay with corresponding penalties to be imposed upon environmental and other responsible agencies, including Local Govt. Units
- Dept. of Budget and Management mandated by Supreme Court to provide funds
- Philippine Clean Water Act

What PHILWAVES can do to address water quality degradation?

- Carrying capacity of the watershed can be determined as basis for policy making (e.g. how many industries can be allowed to operate)
- Possibility of total pollution load management system and effluent trading
- Rationalization of user fee rates
- Prioritization of management initiatives and budget allocation
- Provide direction for appropriate research areas
- Implementation of strategic environmental assessment
- Opportunities for industrial/technical group to install WTF for a service fee



Possible issues on PHILWAVES

- Potential to introduce new “fees/taxes”
- Expanded Environmental users fee
- Added component to water tariff due to raw water price
- Forced reduction in the utilization of LDB water resource depending on outcome of WAVES

THANK YOU!!!

