



# wastewaterinfo.asia

## Wastewater Innovations: Making sanitation a sustainable business

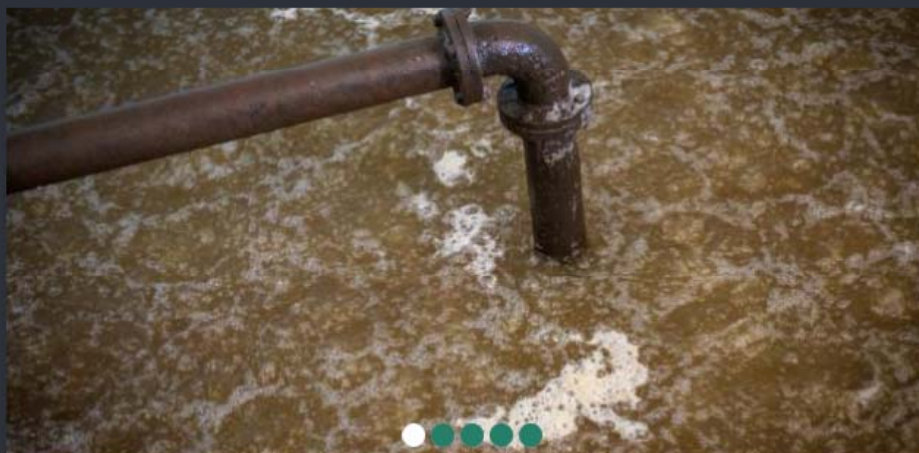
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# Overview



**Wastewater Innovations**  
Making sanitation a sustainable business

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### **3rd Asian Sanitation Dialogue: 11th Hour to MDGs**

ADB, its DMCs, and partners have been increasing efforts to reduce by half the number of people without access to improved sanitation.

### **EVENTS**

**27  
MAY**

#### **3rd Asian Sanitation Dialogue**

ADB Headquarters, Manila, Philippines

**22  
APR**

#### **Earth Day 2014**

ADB HQ Auditorium, Manila, Philippines

**21  
MAR**

#### **Book Launch: From Toilets to Rivers**

ADB IIQ K-Iub, Manila, Philippines



# Goals

- Tell stories about the impacts of wastewater projects
- Serve as an online reference on wastewater management technologies
- Provide more information about wastewater project implementations
- Home of the WaMEX tool



# Target audience

- Decision makers
- Project managers
- Technology providers
- Researchers

# Case Studies



- Prepared by the ADB Wastewater Team
- Analyses of project implementations
- Highlight the efforts of government agencies and other organizations in dealing with wastewater management problems

# Technology Data Sheets



- Prepared by the ADB Wastewater Team
- Detailed descriptions of various technologies used in wastewater treatment
- Some technologies are supported by the WaMEX tool



# Project Briefs

- Prepared by the ADB Wastewater Team
- Some were compiled into the book: “From Toilets to Rivers: Experiences, New Opportunities, and Innovative Solutions”
- Download for free from the publications section of [ADB.org](http://ADB.org)



# WaMEX

## Wastewater Management Expert Tool

- A tool to carry out “what-if” scenarios to evaluate technology options





# WaMEX

## Wastewater Management Expert Tool

- A tool to carry out “what-if” scenarios to evaluate technology options
- Developed by ADB and UNESCO-IHE Institute for Water Education



# WaMEX

- Evaluates tech options based on influent/effluent, water standards, efficiency, and cost
- Under very active development
- A beta version is available for download and evaluation
- Is not for detailed engineering design!

# WaMEX



WAMEX 3.05, Project: Test Project, Treatment Option: Treatment\_Option\_1

**Location**  
Address: Manila [Go to Addr]  
Latitude: 14.75540 Longitude: 121.13610 [Go to Locn]

**Map Controls**  
 Pan  Zoom  
 Scale  
 Map/Satellite  
 Overview Map

**Reticulation**  
Rainfall [ARI]: 5 yrs  
Density [pers/ha]: 222.0  
Area [ha]: 132.99  
Slope [%]: 1.8  
Pumps @ 6 l/s: 5  
Pumps @ 12 l/s: 2

Treatment Option: Treatment\_Option\_1  
Sewer Retic: Conventional

**Retic Costs**  
Design Horizon (yrs): 20  
Disc Rate (%): 4.00  
O&M % of CI: 2.50

Pumps  
Small (6 l/s) CI 0.2500  
Large (12 l/s) CI 0.1400

*OM & TOT costs include pumps*

Conventional Sanitary Sewer  
CI 1.1200  
OM 0.4000  
TOT 1.9100

Simplified Sanitary Sewer  
CI 0.5900  
OM 0.2100  
TOT 1.1900

Combined Sanitary Sewer & Drainage  
CI 76.5100  
OM 27.0400  
TOT 103.9400

# Your participation is needed



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