

# PASIG CITY

## WASTE WATER TREATMENT PROGRAM AND RELATED ENVIRONMENTAL ORDINANCE FOR PASIG REHABILITATION

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**CENRO**

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**ADB**

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# PASIG CITY

**To attain the foregoing objectives, different strategies were employed:**

- 1.) ***Creation of the Green Police volunteers***, Tanod-Sapa, environmental Brigade and Bantay-Ilog from the different communities; with gender-responsive component
- 2.) ***Strengthen the environmental of ordinance*** requiring all establishments to secure an ***Environmental Permit to Operate*** prior to issuance of Business Permit and an Ordinance requiring all establishment to install anti-pollution device;

# PASIG *Green* CITY

- 3.) ***Implement the Greenheart's Savers Program*** to advocate that recycling begins at home and schools;
- 4.) ***Conduct massive tree growing***, setting up seed bank nursery and incorporate mandatory greening in all establishment; Implement anti- smoke belching operation, anti- smoke campaign, community risk assessment and environmental disaster management seminars

# ENVIRONMENTAL PERMIT TO OPERATE (EPO)

- Environmental Permit to Operate from CENRO before the issuance of business permit is applied to all industrial, commercial and manufacturing establishment and private entitles whose activities are potential and actual sources of water, air and land pollution. This proactive approach in the fight for environment protection and the challenges of climate change.**

Republic of the Philippines  
City of Pasig  
CITY ENVIRONMENT AND NATURAL RESOURCES OFFICE  
4th Floor, Pasig City Hall Annex, No. 42-42B

EPO No. \_\_\_\_\_ DDB Serial \_\_\_\_\_  
O.B. No. \_\_\_\_\_ Amount \_\_\_\_\_ ENTRY DATE \_\_\_\_\_

**ENVIRONMENTAL PERMIT TO OPERATE**

Is hereby granted pursuant to Section 1 of Pasig City Ordinance No. 9, series of 2003.

Registered Name \_\_\_\_\_  
Address \_\_\_\_\_ Type of Business \_\_\_\_\_  
Owner/CEO/Manager \_\_\_\_\_ Contact No./Fax No. \_\_\_\_\_

It is understood that this Environmental Permit to Operate shall be subject to the following conditions:

- transfer/operation/alteration shall be with prior written consent of CENRO as governed by another Environmental Permit to Operate.
- the implementation of any plan/program/project shall not pose environmental problems as determined by CENRO and must comply with the conditions in the different environmental permits issued;
- that domestic/industrial and other special wastes shall be properly managed/disposed of and that all the company's garbage contractor/subcontractor for your domestic/industrial waste and hazardous/chemical and medical other special wastes must secure a separate Environmental Permit to Operate from CENRO and submit all permits required by the local government of Pasig including contract for O.C. form to ensure that your company's contractor/subcontractor are distinguishing and disposing wastes in accordance with existing laws/ordinance of City of Pasig;
- that all permit environmental permits shall be secured from LLEDA, DENR, City Planning Office, MMDA, etc. and must be submitted to CENRO before those of every event year;
- that proper anti-pollution devices must be installed to abate all kinds of pollution/public nuisance before June 2008;
- mandatory provision for natural green spaces, grass beds inside the company such as planting of flowering trees/fruits bearing trees and fruit/planting development must be implemented by before March 2008;
- must duly comply with the provision of existing environmental laws such as Clean Air Act of 1989, Clean Water Act, Ecological Solid Waste Management, Toxic and Hazardous Waste, and other existing environmental laws/ordinance of Pasig City such as prohibition on illegal dumping or have license permit to dump, open burning of wastes, illegal dumping, mandatory segregation/separating in public place/other ordinance, storage permit from CENRO for toxic and hazardous chemicals;
- should complaints arise against this operation, the said activity shall be suspended until corrective measure are implemented and the complaint resolved.

This permit will be automatically revoked or suspended for violation of any of the permit conditions and existing environmental laws, regulations and city ordinances.

**IMPORTANT WARNINGS:**  
This permit must be immediately renewed and posted in a conspicuous place of the plant. Permit renewal requirements must be filed every 120 days prior to expiration. Failure to renew this permit prior to the expiry date is a ground for revocation of corresponding activities. Any violation shall be subject to the existing penalties. If failure to comply with the permit conditions, the permit shall be subject to the existing CENRO Ordinance No. 248 (EC) and shall be subject to the local Administrative Order No. 1000-07 for High Risk Manufacturing or the 2,000.00 for Industrial Activities with potential pollution provided in Section 2 of Pasig City Ordinance No. 9, series of 2003.

RECOMMENDED BY: **ENGR. REYNALDO B. TUJO**  
HEAD, POLLUTION MANAGEMENT SECTION

APPROVED BY: **RAQUEL C. AUSTRIA-NACIONGAYO**  
CENRO

CONFORME: (READ AND UNDERSTAND ALL CONTENTS)

A PRIORITY PROJECT OF: **COUN. ALEJANDRO E. SANTIAGO**  
Chairman, Commission on Ecology and Environmental Protection

COMPANY OWNER/OFFICIAL REP \_\_\_\_\_

through the leadership of  
**MAYOR BOBBY EUSEBIO**  
CITY ENVIRONMENT AND NATURAL RESOURCES OFFICE  
"Beyond Progress, A Healthy Environment"



## MANILA BAY CLEAN-UP, REHABILITATION AND PRESERVATION AUDIT

PASIG CITY	NUMBER OF FACTORIES			NUMBER OF COMMERCIAL ESTABLISHMENTS			NUMBER OF PRIVATE HOMES		
<p>The individual and commercial establishment inspection and monitoring is conducted by CENRO while the inspection and monitoring of private homes is conducted by Environment Sanitation Office, City Health Office and assisted by the Urban Poor Office. DILG is regularly monitoring the progress of these reports and meeting the target set..</p>	<p>Located along the banks of the major river system, and other minor rivers and waterways with <u>existing wastewater treatment facilities or hygienic septic tanks</u> 232</p>	<p>Located along the banks of the river system, and other minor rivers and waterways <u>without existing wastewater treatment facilities or hygienic septic tanks</u> 4</p>	<p>Required to set up hygienic septic tanks as prescribed by laws, ordinance, rules and regulation within a reasonable time 236</p>	<p>Located along the banks of major river systems, and other minor rivers and waterways <u>with existing wastewater treatment facilities or hygienic septic tanks</u> 146</p>	<p>Located along the banks major banks of the river system, and other minor rivers and waterways <u>without existing wastewater treatment facilities or hygienic septic tanks</u> 99</p>	<p>Required to set up hygienic septic tanks as prescribed by laws, ordinance, rules and regulation within a reasonable time 245</p>	<p>Located along the banks of major river systems, and other minor rivers and waterways <u>with existing wastewater treatment facilities or hygienic septic tanks</u> 5468</p>	<p>Located along the banks major banks of the river system, and other minor rivers and waterways <u>without existing wastewater treatment facilities or hygienic septic tanks</u> 68</p>	<p>Required to set up hygienic septic tanks as prescribed by laws, ordinance, rules and regulation within a reasonable time 5,536</p>
	(Ba)	(Ca1)	(Ca4)	(Bb)	(Cb1)	(Cb4)	(Da)	(Db)	(Dc)

### REMARKS:

- CENRO is using City Ordinance # 09-2003 to enforce the mandatory requirement of Environmental Permit to Operate before issuance of Business Permit and the installation of anti-pollution device.
- The data is based on the inspection/ monitoring along major river systems and waterways namely; Pasig River – Napindan River and Marikina River – Manggahan Floodway.
- All the data is the summary of all private homes located along the major river banks except those private homes located in Manggahan floodway.



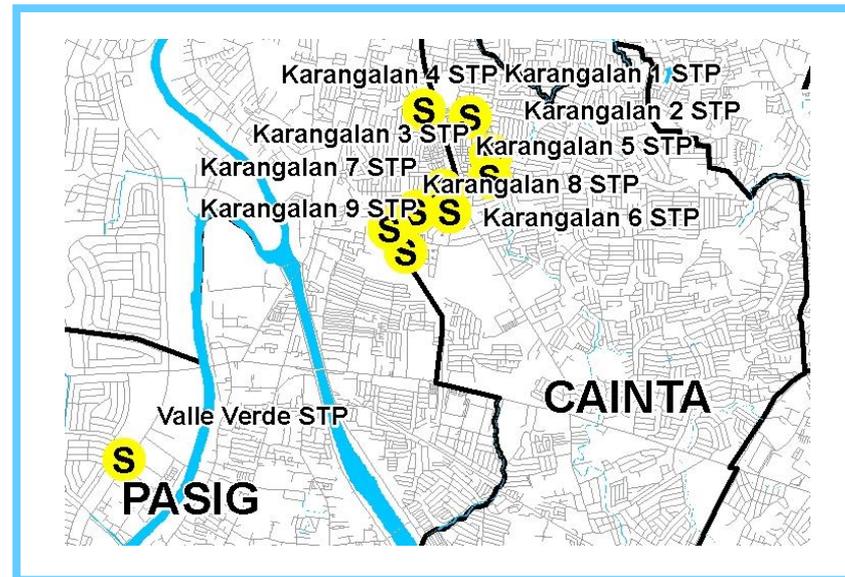
# Pineda STP

Project Name	Capacity (MLD)	Location	Beneficiaries	Status
Pineda	4	MRR. Road, Brgy Pineda, Pasig City	Brgy. Pineda and Capitolyo, Pasig City 18,000 population	Operational since 2010



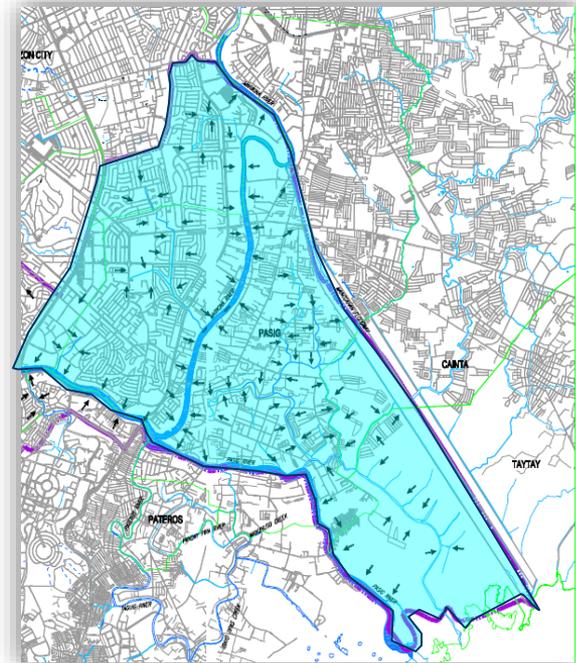
# Karangalan 4 to 9 STPs and Valle Verde STP

Project Name	Capacity (MLD)	Location	Beneficiaries	Status
Karangalan 4, 5, 6, 7, 8 & 9	Total 5 MLD	Karangalan Village, Pasig City	Residents of Karangalan Village in Pasig 22,500 population	Operational since 2004
Valle Verde	0.2 MLD	Valle Verde , Pasig City	Residents of Valle Verde Homes condominium 511 population	Operational since 2001



# Pasig North & South STP

Project Name	Capacity (MLD)	Location	Beneficiaries	Status
Pasig North & South (Ilugin)	165 MLD	Pinagsama, Pasig City	<p>Most of Pasig city, bounded by Marikina River, Manggahan floodway &amp; Napindan river</p> <p>765,000 pop.</p>	Construction to commence in late 2012/early 2013



# CREATION AND MOBILIZATION OF THE GREEN POLICE

- 500 green police volunteers from the 30 barangays were trained as enforcers, implementers of the Pasig Green City Program. They also act as Environmental Brigade, Tanod- Sapa, Bantay- Ilog who apprehend violators laws and ordinances. They are receiving meal and clothing allowance from the City Government.

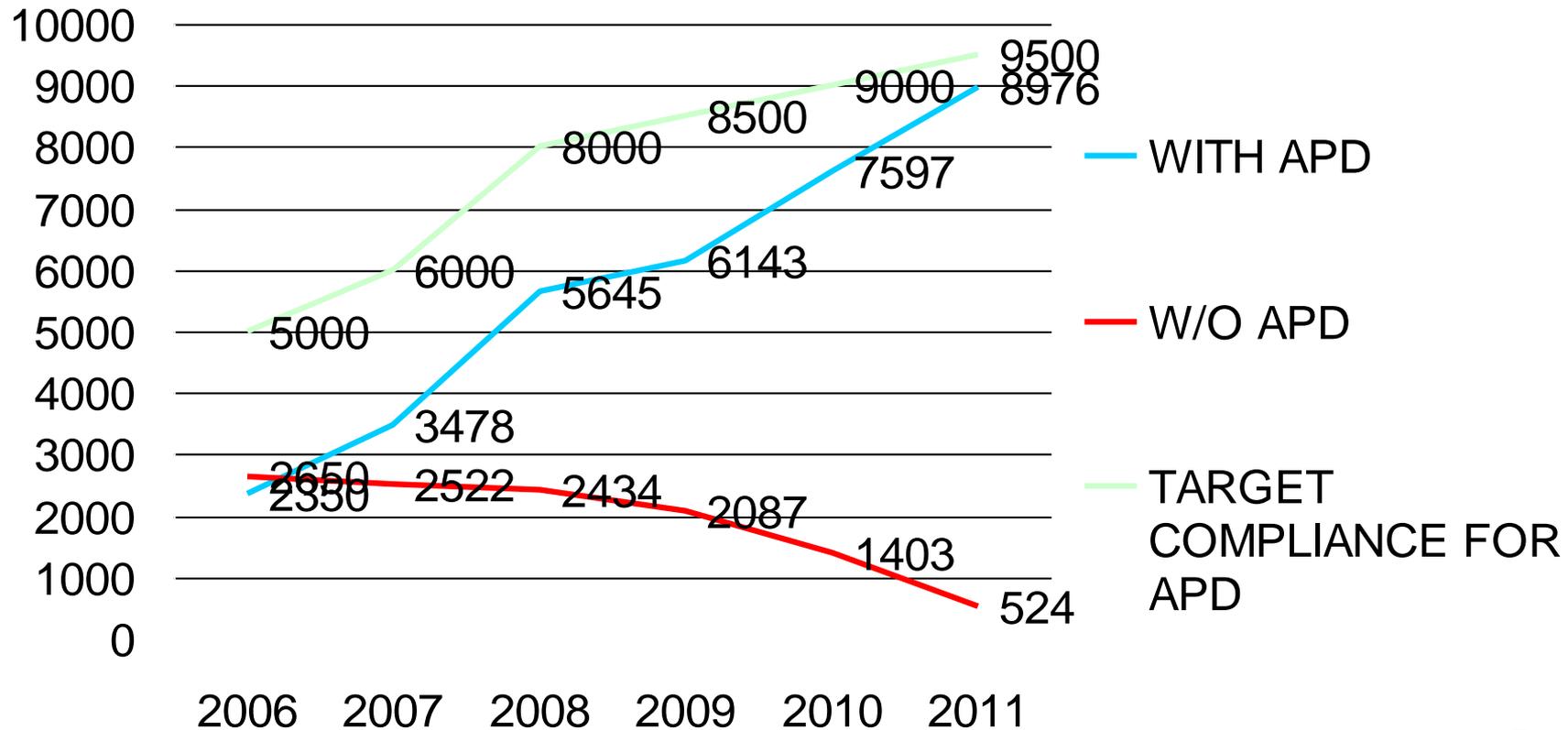


# STRICT ENFORCEMENT OF ORDINANCE

<b>Year</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
Notice of Violation & Formal Charges	4,500	3,900	3,200	2,800	708
OVR	1,200	900	650	580	184
Public Hearing	960	720	610	2,600	712
Ex-Parte Order	480	340	260	210	75
Closure Order	280	160	130	95	32



# Compliance Rate of Business Establishments in terms of installing Anti-Pollution Devices (2003-2011)



# I. WATER POLLUTION PROGRAM: SOURCES COMMERCIAL AND INDUSTRIAL AIR POLLUTION CONTROL

## CITY ORDINANCE # 09-2003

MANDATING ALL COMMERCIAL AND INDUSTRIAL ESTABLISHMENTS TO INSTALL ANTI-POLLUTION DEVICES PRIOR TO ISSUANCE OF CENRO PERMIT AND BUSINESS PERMIT



# II. ENACTMENT OF ENVIRONMENTAL ORDINANCES

## City Ordinance 09 - 2003

1. Failure to secure Environmental Permit to Operate- Php 5,000.00;
2. Refusal of Entry of Bonafide CENRO Inspectors- Php 2,500.00;
3. Failure to install Anti-Pollution Devices- Php 5,000.00 for High Risk Industries/Activities or Php 2,500.00 for Industrial Activities with potential pollution pursuant to Section 3 of Pasig City Ordinance No. 9, Series of 2003.





## • Other related Ordinances

- City Ordinance No. 30 Series of 2002 as amended by City Ordinance No.24 Series of 2006 (“Ordinance enacting the Waste Management of Pasig and prescribing penalties for violations thereof”)
- City Ordinance No. 29 Series of 2002 as amended by City Ordinance No.28 Series of 2006 (“Ordinance regulating and monitoring garbage collection.....xxx”)





- City Ordinance No. 40 Series of 2002 “An Ordinance authorizing the holding of an annual solid waste management contest, appropriating funds thereof...”**
- Municipal Ordinance No.09-01  
“ An ordinance regulating the disposal of toxic and hazardous wastes and providing penalty....”**
- City Ordinance No.13 Series of 2006  
“Ordinance creating the environmental brigade of Pasig ....xxx”**
- City Ordinance No. 6 Series of 1993  
“Ordinance prohibiting illegal dumping on waterways”**



# OTHER RELEVANT PROGRAMS AND PROJECTS





# Department of Environment and Natural Resources

## Pasig River Rehabilitation Commission

Name of Creeks/ Rivers	Number of ISF	Environmental Plans/Programs for 5 years 2012 – 2016	Budgetary Cost	Fund Source
1. Mahabang Ilog (Brgy., Maybunga)	34	Year 2012 Dredging/Rip-rapping and Construction of Linear Parks (3m both side)	Php63.60 M	Any available fund source
2. Pateros River (Brgy. Buting- Ilaya)	52	Year 2012 Dredging/Rip-rapping and Construction of Linear Parks (3m both side)	Php 8. 00 M	Any available fund source
3. Ilugin Creek (Brgy. Pinagbuhatan)	288	Year 2013 Rip-rapping and Construction of Linear Parks (3m both side)	Php 42.00 M	Any available fund source
4. Daang Paa Creek (Brgy. San Joaquin – Kalawaan)	84	Year 2014 Dredging/Rip-rapping and Construction of Linear Parks (3m both side)	Php 53.20 M	Any available fund source



# 1. GREENHEART SAVER'S PROJECT

## *“Recycling Collection for Education”*

- **77,457 kg.** of recyclable wastes were gathered and recycled from 15 schools (2007-2010)
- On going advocacy to the remaining 15 public schools in Pasig City
- Cash is the equivalent of the recyclables wastes from students “*Dagdag Baon*” program of the City with additional cash and gift incentives



## 2. ECOBAG ADVOCACY PROJECT

### *“NO to PLASTIC! . . . YES to ECOBAG!”*

- About **10, 000 ecobags** were distributed to all sectors in Pasig as part of the advocacy to ban the usage of plastic in markets as well as supermarkets



## **2. Relocation and Human Resettlement Housing Project**

- In summary, there are 2,639 families were relocated, resettled, and benefited from the relocation program of the City Government (from Manggahan Floodway, Napindan River, Macadamia St. (Sapang Liwanag Creek.), Marikina River and other creeks in Pasig City).**
- About 3,686 units were provided to urban poor and informal sectors for the five major socialized Housing Project and Gawad-Kalinga Project of the City Government. The beneficiaries of these program are trained on livelihood, solid waste management, proper sanitation and hygiene towards a comprehensive socio-economic development.**



And relocated at  
West Bank,  
**Maybunga**  
(Pasig City  
Housing Project)



# PASIGreen CITY

