



SURVEY/INSPECTION FOR WATER QUALITY MANAGEMENT



ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number: _____

Date of Inspection: MARCH 30, 2022

Mission Order No.: EMBR8-2022-009386/ EMBR8-2022-009386

1. GENERAL INFORMATION

Name of Establishment: **GEMMA C. INONG PIGGERY PROJECT**

Address: Brgy. Puertobello, Merida, Leyte

Geo Coordinates:

10.984979 N, 124.517303 E

Nature of Business: Piggery

PSIC Code:

014

Product: Hogs

Year Established: **2008**

Operating hours/day: 24

Operating days/week: 7

Operating days/year: 365

Product Lines	Production Rate as Declared in the ECC (unit/day)	Actual Production Rate (unit/day)
Name of Managing Head:	GEMMA C. INONG	
Name of PCO:	MARIANITO ROJAS	
PCO Accreditation No.:	-	Date of Effectivity:
Phone/Fax:	(0917) 355 3003	Email: -

2. PURPOSE OF INSPECTION

- ☐ Verify accuracy of information submitted by the establishment pertaining to new permit applications, renewals, or modification

	New	Renewal
_____ New Renewal		
_____ PMPIN Application	<input type="checkbox"/>	<input type="checkbox"/>
_____ Hazardous Waste ID Registration	<input type="checkbox"/>	<input type="checkbox"/>
_____ Hazardous Waste Transporter Registration	<input type="checkbox"/>	<input type="checkbox"/>
_____ Hazardous waste TSD Registration	<input type="checkbox"/>	<input type="checkbox"/>
_____ Permit to Operate Air Pollution Control Installation	<input type="checkbox"/>	<input type="checkbox"/>
_____ Discharge Permit	<input type="checkbox"/>	<input type="checkbox"/>
_____ Others _____	<input type="checkbox"/>	<input type="checkbox"/>

- ☐ Determine compliance status with the environmental regulations, permit conditions, and other requirements

- ☐ Investigate community complaints

- ☐ Check status of voluntary commitment

_____ Industrial Ecowatch

_____ Philippine Environmental Partnership Program (PEPP)

_____ Pollution Adjudication Board (PAB)

_____ Others _____

- ☒ Others WATER SURVEY

Name of Contact Person:

MARIANITO ROJAS

Position / Designation:

DESIGNATED PCO

3. COMPLIANCE STATUS
3.1 DENR Permits/Licenses/Clearance

Environmental Law	Permits		Date of Issue	Expiry Date
PD 1586	ECC1	08-070717-0051	07/23/2007	
	ECC2			
	ECC3			
RA 6969	DENR Registry ID			
	PCL Compliance Certificate			
	CCO Registry			
	Permit to Transport			
RA 8749	POA No.			
RA 9003	ECC for Sanitary Landfill			
RA 9275	DP No.			

4. Water Supply and Wastewater Generation

A. Water Sources

Sources of Water Supply	Daily (m ³ /day)	Annual (m ³ /day)	Specify if Others
Surface water (river, lakes, etc.)			
Groundwater			
Water utilities			
Others (specify)			Deep Well

B. Wastewater Sources

Water Use / Sources of Wastewater	Consumed (m ³ /day)	Generated (m ³ /day)	Specify if Others
Process Water			
Domestic Water			
Cooling Water			
Maintenance			
Storm drain			
Others (specify)			

C. Quality of Abstracted Water

Sources of Water Supply	BOD/ COD	TSS	AVFP	Heavy Metals	Specify if Others

5. Information on Wastewater Pollution

A. Does the Establishment have a Wastewater Treatment Plant?

☐ Yes
☒ No X

B. What type of WWTP?

☐ Physical X
☐ Biological
☐ Chemical
☐ Others

C. WWTP Detail

1. Date Installed	
2. Design Capacity	
3. Cost of WWTP	
4. Annual Maintenance Cost (Php/year)	
5. Location of Discharge Point(s)	Receiving Water Body Classification of Water Body

		Creek		
A. Components of WWTP				
Primary	Biological	Chemical	Others	
<input type="checkbox"/> Screening <input type="checkbox"/> Primary Treatment <input type="checkbox"/> Grit Removal <input type="checkbox"/> Oil/Water Separator <input type="checkbox"/> Equalization Tank <input type="checkbox"/> Others (specify) _____	<input type="checkbox"/> Activated Sludge <input type="checkbox"/> Anaerobic Digestion <input type="checkbox"/> Tricking Filter <input type="checkbox"/> Oxidation/Stabilization Pond <input type="checkbox"/> Sequencing Batch Reactor <input type="checkbox"/> Others (specify) _____	<input type="checkbox"/> pH Adjustment <input type="checkbox"/> Disinfection <input type="checkbox"/> Oxidation/Reduction <input type="checkbox"/> Flocculation/ Coagulation <input type="checkbox"/> Others (specify) _____		
B. Condition of the WWTP				
1. What is the general condition of the WWTP during sampling?		<input type="checkbox"/> Properly maintained <input type="checkbox"/> Inadequately maintained <input type="checkbox"/> Poor maintenance <input type="checkbox"/> Others		
2. Is the WWTP under construction or undergoing rehabilitation?		<input type="checkbox"/> Yes <input type="checkbox"/> No		
3. If the answer is No. 2 is YES, has this been reported to EMB/LLDA?				
4. Which System or units are under construction or being modified?				
5. Estimated date of completion				
6. Treatment units utilized to treat wastewater				

Water Quality Field Date						
Sampling Point No. 1						
Sampling Station			Sampling Time:			
Type of Sample						
Result Analysis						
Parameter	Value	Unit	DENR Effluent Standards	Compliant		Remarks
				Yes	No	

III. SUMMARY OF FINDINGS					
Legal Reference	Compliance Requirements	Compliant			Remarks
		Y	N	N/A	
DAO 2005-10 Rule 14.1	1. Has the establishment submitted two notarized copies of accomplished application form?			✓	
DAO 2005-10 Rule 14.2	2. Has the establishment submitted Sewer and Drainage Plan Drawing of appropriate scale in as standard size sheet and in accordance with good engineering practice?			✓	
	3. Has the establishment submitted water quality analysis of abstracted water and the appropriate bills?			✓	
	4. Has the establishment submitted Pollution Prevention/Environmental			✓	

	Management System Plan or Program?				
	5. Has the establishment submitted copy of the Environmental Compliance Certificate or Certificate of Non-Coverage?			✓	
	6. Does the establishment have a DENR ID Number as hazardous waste generator, as applicable?			✓	
	7. Has the establishment designated or appointed a PCO?			✓	
DAO 2005-10 Rule 14.6	8. Does the establishment use its effluent for Agricultural Purposes?			✓	If yes, proceed to succeeding items
	a. Has the establishment submitted certified true copy of land ownership or notarized copy of agreement between the owner of the land where the effluent is to be applied and the discharger/permittee?			✓	
	b. Has the establishment submitted proof that wastewater to be used for land application does not contain toxic or substances (as defined in RA 6969)?			✓	
	c. Does the establishment's wastewater applied for agricultural purposes directly or indirectly seep or drain into groundwater or nearby surface waters which will affect the quality of such ground and/or surface water?			✓	
	d. Has the establishment submitted a Certification from the Department of Agriculture (DA) stating that the quantity, quality and distribution methodology of application are suited for agricultural purposes?			✓	
	e. Does the establishment use land application only during periods of low surface water flow to enhance loading limits compliance?			✓	
	f. Has the establishment submitted baseline groundwater quality data and self-monitoring report within the discharge areas, and installed at least one groundwater monitoring well which shall be drilled in each dominant direction of groundwater movement?			✓	
	g. Has the establishment submitted an emergency plan – which shall respond to emergencies that can prevent or minimize damage to equipment, land, groundwater, etc., and/or public health?			✓	
	h. Does the plan highlight the design considerations, systems operation, treatment/monitoring of soil, crops, effluent and groundwater before/after irrigation? Such requirements shall be in			✓	

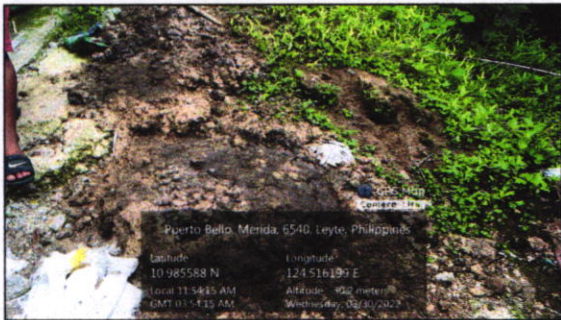
h. Does the plan highlight the design considerations, systems operation, treatment/monitoring of soil, crops, effluent and groundwater before/after irrigation? Such requirements shall be in addition to Section 14.2.			✓	
---	--	--	---	--

Other Observations:

- This Office has issued Environmental Compliance Certificate (ECC) with reference number: 08-070717-0051 to Gemma C. Inong for Piggery Project located at Brgy. Puerto Bello, Merida, Leyte.
- The piggery was operational during the time of monitoring.
- According to the proponent, the said piggery project will cease to operate once all the hogs are sold. The target month will either be June or July to stop their operation.
- The wastes generated from the hog manures are collected on the chamber at the back of the piggery.
- Solid wastes are separated and dried to be used as fertilizers.



Wastes are collected on the chamber



Dried manures are used as fertilizers

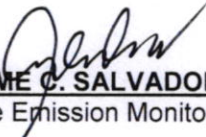
- Upon inspection, there are more than 30 hogs present in the piggery: six (6) of those are sows and no boar is present.

Remarks and Recommendation:

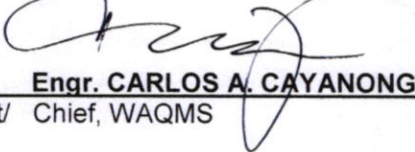
For this Office to invite the proponent for a Technical Conference to formalize their commitment of their plan to stop their piggery operation.

List of Documents Reviewed:
ECC

Prepared by:

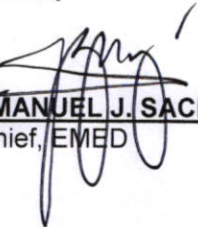


JEROME C. SALVADOR
Source Emission Monitoring Specialist/



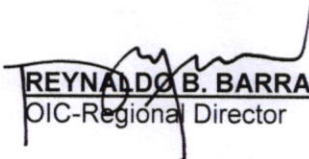
Engr. CARLOS A. CAYANONG
Chief, WAQMS

Approved by:



FOR. MANUEL J. SACEDA, JR.
OIC-Chief, EMED

Noted by:



REYNALDO B. BARRA, PME
OIC-Regional Director

