



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Regional Office No. VIII
DENR 8 Compound, Brgy. 2, Jones Extension, Tacloban City
Tel No: (053) 832-1088 / (053) 832-2319
Email Address: emb8_records@emb.gov.ph




April 12, 2022

Hon. ALLAN JOSE K. AROY

Municipal Mayor

Local Government Unit of Macrohon, Southern Leyte

Macrohon, Southern Leyte

ENVIRONMENTAL MANAGEMENT BUREAU
RELEASED BY: 
DATE: 4/20/2022
TIME: 9:04 am

Dear Sir:

Environmental Greetings!

This has reference to the inspection conducted by our technical staff in your Macrohon Municipal Waterworks. The recommendation was:

Recommendation:

- Construction/put up an appropriate wastewater treatment facility (WTF) for the management of wastewater coming from the backwashing activity.
- Secure a Wastewater Discharge Permit for the wastewater discharge coming from the backwashing activity.
- Submission of 2nd Semester 2021 Compliance Monitoring Report (CMR) online through online.emb.gov.ph/cmr
- Secure Pollution Control Officer (PCO) Accreditation of the designated PCO
- Posting of Environmental Compliance Certificate (PCO) billboard



As such, you are hereby enjoined to comply with the above-cited recommendations in compliance with the requirements of the Environmental Laws and its Implementing Rules and Regulations of **PD 1586 and RA 9275.**

Please be guided accordingly.

Very truly yours,


REYNALDO B. BARRA, PME
OIC-Regional Director



	ENVIRONMENTAL MANAGEMENT BUREAU REGION 8	
	SURVEY/INSPECTION FOR WATER QUALITY MANAGEMENT	

ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number: _____
 Date of Survey/Inspection: **March 3, 2022**
 Mission Order No.: **EMBR8-2022-006807**

1. GENERAL INFORMATION		
Name of Establishment: Development/Expansion/Improvement of The Macrohon Municipal Waterworks System (Phase 2)		
Address: Macrohon, Southern Leyte		Geo Coordinates: 10.05149° N, 124.97834° E
Nature of Business: Potable Water System		
PSIC Code: 3600	Product:	Year Established: 2009
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:	Mayor Allan Jose K. Aroy	
Name of PCO:	Arlan Agustin Heig A. Estela	
PCO Accreditation No.:	None	Date of Effectivity: N/A
Phone/Fax:	0915-907-8080	Email: arlan.estela@gmail.com

2. PURPOSE OF INSPECTION		
<input type="checkbox"/> Verify accuracy of information submitted by the establishment pertaining to new permit applications, renewals, or modification		
<input type="checkbox"/> New Renewal <input type="checkbox"/> PMPIN Application <input type="checkbox"/> Hazardous Waste ID Registration <input type="checkbox"/> Hazardous Waste Transporter Registration <input type="checkbox"/> Hazardous waste TSD Registration <input type="checkbox"/> Permit to Operate Air Pollution Control Installation <input type="checkbox"/> Discharge Permit <input type="checkbox"/> Others _____	New <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Renewal <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

<input checked="" type="checkbox"/> Determine compliance status with the environmental regulations, permit conditions, and other Requirements <input type="checkbox"/> Investigate community complaints <input type="checkbox"/> Check status of voluntary commitment <input type="checkbox"/> Industrial Ecowatch <input type="checkbox"/> Philippine Environmental Partnership Program (PEPP) <input type="checkbox"/> Pollution Adjudication Board (PAB) <input type="checkbox"/> Others _____ <input type="checkbox"/> Others _____	
Name of Contact Person	Arland Augustine Heig A. Estela
Position / Designation	Designated Pollution Control Officer (Municipal Waterworks Head)

3. COMPLIANCE STATUS
3.1 DENR Permits/Licenses/Clearance

Environmental Law	Permits		Date of Issue	Expiry Date
PD 1586	ECC1	ECC-R08-0908-077-4300	07/17/2009	
	ECC2			
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 (m³/day)	Annual (m³/day)	Specify if Others		
Surface water (river, lakes, etc.)					
Groundwater					
Water utilities					
Others (specify)					
B. Wastewater Sources					
Water Use / Sources of Wastewater	Consumed (m³/day)	Generated (m³/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 N/A					
A. Does the Establishment have a Wastewater Treatment Plant?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
B. What type of WWTP?	<input type="checkbox"/> Physical <input type="checkbox"/> Biological <input type="checkbox"/> Chemical <input type="checkbox"/> 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		

	<input type="checkbox"/> V-weir	Other (specify) _____	
6. Flow Metering Device Use	<input type="checkbox"/> Flow Meter		
7. Flow Rate NO DATA	Influent	Effluent	Others (specify) _____
A. Components of WWTP			
Primary	Biological	Chemical	Others
<input type="checkbox"/> Screening	<input type="checkbox"/> Activated Sludge	<input type="checkbox"/> pH Adjustment	
<input type="checkbox"/> Primary Treatment	<input type="checkbox"/> Anaerobic Digestion	<input type="checkbox"/> Disinfection	
<input type="checkbox"/> Grit Removal	<input type="checkbox"/> Trickling Filter	<input type="checkbox"/> Oxidation/Reduction	
<input type="checkbox"/> Oil/Water Separator	<input type="checkbox"/> Oxidation/Stabilization Pond	<input type="checkbox"/> Flocculation/Coagulation	
<input type="checkbox"/> Equalization Tank	<input type="checkbox"/> Sequencing Batch Reactor	<input type="checkbox"/> Others (specify) _____	
<input type="checkbox"/> Others (specify) _____	<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?	N/A		
4. Which System or units are under construction or being modified?	N/A		
5. Estimated date of completion	N/A		
6. Treatment units utilized to treat wastewater	N/A		

Water Quality Field Date						
Sampling Point No. 1						
Sampling Station		No Data		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 addition to Section 14.2.			✓	

Other Observations:

- Last inspection was conducted on February 20, 2021 recommending that the project is not required for Wastewater Discharge Permit.
- An approved ECC amendment was issued on August 31, 2016 for an additional transmission pipelines.
- Another approved ECC amendment was issued on September 13, 2017 for an additional transmission pipelines
- Another approved ECC amendment was issued on July 16, 2019 for an additional water source (Lutak Spring), intake tanks and transmission lines.
- Another approved ECC amendment was issued on September 8, 2020 for an installation of 4 units Dual Media Pressure.

Remarks and Recommendation:

Send a communication to the Local Government Unit of Macrohon, So. Leyte to:

- Construct/put up an appropriate wastewater treatment facility for the management of wastewater coming from the backwashing activity.
- Secure a Wastewater Discharge Permit for the wastewater discharge coming from the backwashing activity.
- Submission of 2nd Semester Compliance Monitoring Report (CMR) online through online.emb.gov.ph/cmr
- Secure Pollution Control Officer (PCO) Accreditation of the designated PCO
- Posting of Environmental Compliance Certificate (ECC) Billboard

List of Documents Reviewed: ECC-R08-0807-077-4300

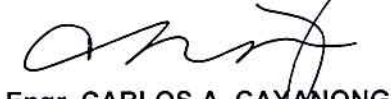
Submitted by:


ZEUS BRYAN B. LORETO
EMS II

Reviewed:


For. ALEJANDROQUE G. MACATIGUE
Head, PEMU Southern Leyte

Recommending Approval:


Engr. CARLOS A. CAYANONG
Chief, WAQMS

Approval:


For. MANUEL J. SACEDA, Jr.
OIC-Chief, BMED

Noted:


Engr. REYNALDO B. BARRA
OIC-Regional Director

