

ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number: _____
Date of Inspection: February 15, 2022
Mission Order No.: EMBR8-2022-006233

1. GENERAL INFORMATION		
Name of Establishment: MEGACREST WATER TREATMENT AND FILTRATION PROJECT		
Address: Brgy. 94-A, Basper, Tacloban City		Geo Coordinates: 11.247848 ⁰ N, 124.97083 ⁰ E
Nature of Business: Water Collection, Treatment & Distribution		
PSIC Code: 36000	Product: Purified Water	Year Established: 2017
Operating hours/day: 8 hours	Operating days/week: 5 days	Operating days/year: 288 days
Product Lines	Production Rate as Declared in the ECC (unit/day)	Actual Production Rate (unit/day)
	Max. Capacity of 4,500 m ³	
Name of Managing Head:	MR. CHRISTOPHER RANDY L. ESPERAS	
Name of PCO:	MR. CLARO FRANCISCO	
PCO Accreditation No.:	2019-RVIII-0163	Date of Effectivity: November 22, 2019
Phone/Fax:	(0966) 365 9945	Email:

2. PURPOSE OF INSPECTION		
<input type="checkbox"/> Verify accuracy of information submitted by the establishment pertaining to new permit applications, renewals, or modification		
New	New	Renewal
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"/>
	<input type="checkbox"/>	<input type="checkbox"/>

<input 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	
Industrial Ecowatch	
Philippine Environmental Partnership Program (PEPP)	
Pollution Adjudication Board (PAB)	
Others _____	
<input type="checkbox"/> Others _____	

Name of Contact Person	MR. CLARO FRANCISCO
Position / Designation	Pollution Control Officer

3. COMPLIANCE STATUS

3.1 DENR Permits/Licenses/Clearance

Environmental Law	Permits		Date of Issue	Expiry Date
PD 1586	ECC1	ECC-RO8-1711-0045	12-22-2017	
	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.	RO8-20-04525	10-09-2020	10-09-2021

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 (Deep Well)	150					
Water utilities						
Others (specify)						
B. Wastewater Sources						
Water Use / Sources of Wastewater	Consumed (m³/day)		Generated (m³/day)		Specify if Others	
Process Water			146			
Domestic Water			1.5			
Cooling Water						
Maintenance			2.5			
Storm drain						
Others: (recycled)			148.5			
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?	<input type="checkbox"/> Yes <input 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
- Last Chamber of Settling Pond		Tigbao River	Unclassified
		<input type="checkbox"/> V-weir	Other (specify) _____
6. Flow Metering Device Use		<input type="checkbox"/> Flow Meter	
7. Flow Rate		Influent	Effluent
			Not determined.
A. Components of WWTP			
Primary	Biological	Chemical	Others
<input type="checkbox"/> Screening	<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) _____	
<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) _____			
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:		AM/PM	
Type of Sample						
Result Analysis						
Parameter	Value	Unit	DENR Effluent Standards	Compliant		Remarks
				Yes	No	

Water Quality Field Date			
Sampling Point No. 2			
Sampling Station			Sampling Time: AM/PM
Type of Sample			
Result Analysis			

Parameter	Value	Unit	DENR Effluent Standards	Compliant		Remarks
				Yes	No	

Information Summary of the previous or recent inspection/sampling:

Date of Sampling						
Sampling Station				Sampling Time:	AM/PM	
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 13.1	1. Does the establishment pay the required wastewater charge?		√		
DAO 2005-10 Rule 14.1	2. Does the establishment have a Discharge Permit?	√			Discharge Permit No. RO8-20-04525
DAO 2005-10 Rule 14.5	3. Does the establishment pay the required discharge permit fee?	√			
DAO 2005-10 Rule 14.9	4. Is the permit available and valid?		√		Discharge Permit expired on October 9, 2021
DAO 2005-10 Rule 14.11	5. Do the discharge points correspond to those declared in the discharge permit?	√			
	6. Is the volume discharged within the allowable volume declared in the discharge permit?				No effluent sampling conducted.
	7. Is the permit posted in a proper area?	√			
DAO 2005-10 Rule 14.16	8. Are the SMRs submitted quarterly and on time?	√			
DAO 1990-35 Section 4-6	9. Are the effluent parameters compliant with the standards in DENR existing effluent standards?				No effluent sampling conducted.

DAO 1990-35 Section 8	10. Does the establishment comply with the additional requirements stated in DAO 1990-35?			√	
DAO 1990-35 Section 9	11. Are the pollution control facilities properly and continuously operated?	√			
DAO 1990-35 Section 10	12. Are the methods of analysis used for effluent samples in accordance with the prescribed methods of the Department?			√	
Other Requirements	13. Are the copies of water analysis reports available?		√		
	14. Are the correspondence between the establishment and EMB documented?	√			
	15. Are the establishment's compliance violations and exceedances documented?			√	
	16. Are there any pending litigation/PAB cases?			√	
	17. Are there spill prevention contingency plans?			√	
	18. Are there spill containment facilities available?			√	

Other Observations:

1. The Project is a Water Treatment Facility which supply purified drinking water or potable water to the northern barangays of Tacloban City and other government/private subdivisions and establishments.
2. It was issued an Environmental Compliance Certificate with Reference Code: ECC-RO8-1711-0045 on December 22, 2017 by this Office.
3. Raw water is taken from the three (3) deep wells with a depth of 20 meters and installed adjacent to Tigbao River.
4. All wastewater generated from backwashing was provided with a three (3)-chamber settling pond.
5. A Wastewater Discharge Permit was issued by this Office on October 9, 2020 which expired last October 9, 2021.
6. Mr. Claro Francisco is the Accredited Pollution Control Officer of the establishment.

Remarks and Recommendation:

For issuance of Notice of Violation pursuant to Section 27 (c) of RA 9275, in relation to Section 28 of R.A. 9275 and in relation further to Pollution Adjudication Board Resolution No. 01-2019 for operating without valid Discharge Permit from this Office.

List of Documents Reviewed:

Copy of Discharge Permit


Submitted by:


VILMA C. FABILLO
Senior EMS

Recommending Approval:


ENGR. CARLOS A. CAYANONG
Chief, WAQMS

Approved by:


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

Noted by:


ENGR. REYNALDO B. BARRA
OIC, Regional Director