



SURVEY/INSPECTION FOR WATER QUALITY MANAGEMENT



ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number: _____

Date of Survey/Inspection: **17 March 2022**Mission Order No.: **EMBR8-2022-008355****1. GENERAL INFORMATION**Name of Establishment: **V&G Subdivision Water Supply System Project**(Proponent: *Mactan Rock Industries, Inc. thru President/CEO Lito R. Maderazo*)Address: **V&G Subdivision Tacloban City**

Geo Coordinates:

11.2056485°N, 124.9991859°ENature of Business: **Water Treatment Plant**PSIC Code: **36000**

Product:

Year Established: **2013**Operating hours/day: **8 hours**Operating days/week: **6 days**

Operating days/year:

Product Lines

Production Rate as Declared
in the ECC (unit/day)

Actual Production Rate (unit/day)

Potable water

-

30 m³/day

Name of Managing Head:

Mactan Rock Industries, Inc. (Robin Quitat – Manager)

Name of PCO:

-

PCO Accreditation No.:

-

Date of Effectivity:

Phone/Fax:

-

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

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_____ Hazardous Waste ID Registration

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_____ Hazardous Waste Transporter Registration

☐☐

_____ Hazardous waste TSD Registration

☐☐

_____ Permit to Operate Air Pollution Control Installation

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_____ Discharge Permit

☐☐

_____ Others _____

☐☐☐☐

- ☒
- 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 _____

Name of Contact Person

Nelson Acuin

Position / Designation

Supervisor

3. COMPLIANCE STATUS

3.1 DENR Permits/Licenses/Clearance

Environmental Law	Permits		Date of Issue	Expiry Date
PD 1586	ECC1	ECC-R08-1304-0045	05/17/2013	-
	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 (m ³ /day)	Annual (m ³ /day)	Specify if Others
Surface water (river, lakes, etc.)			
Groundwater	30	10,950	
Water utilities			
Others (specify)			

B. Wastewater Sources (Not Applicable)

Water Use / Sources of Wastewater	Consumed (m ³ /day)	Generated (m ³ /day)	Specify if Others
Process Water			
Domestic Water			
Cooling Water			
Maintenance (washing)	4	4	Raw water
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 (Not Applicable)

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
		<input type="checkbox"/> V-weir <input type="checkbox"/> Flow Meter	Other (specify)
6. Flow Metering Device Use			
7. Flow Rate		Influent	Effluent
		Others (specify)	

A. Components of WWTP (Not Applicable)			
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 (Not Applicable)			
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 (Not Applicable)						
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?			/	

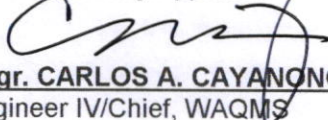
DAO 2005-10 Rule 14.6	5. Has the establishment submitted copy of the Environmental Compliance Certificate or Certificate of Non-Coverage?			/	
	6. Does the establishment have a DENR ID Number as hazardous waste generator, as applicable?			/	
	7. Has the establishment designated or appointed a PCO?			/	
	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: <ul style="list-style-type: none">• The Water Supply System Plant of Mactan Rock Industries in V&G Subdivision are all operational. As per Supervisor, the Plant production capacity is 30 m³ per day.• The Water Supply System Plant has the following process: raw water is extracted from deep well and flows through a multimedia filtration then to the bag filter and then passes through reverse osmosis before stored in reservoir tank.• Washing of the multimedia filtration is done daily. Only raw water is passed through this tank. Hence, very minimal sludge (filtered solids) is washed during cleaning. No wastewater treatment facility installed to contain this wastewater. Likewise, no discharge permit lodged thru the online system yet.• No comfort rooms provided in the area.• No generator set is likewise provided.• ECC signboard was posted at the entrance of the Plant.• Compliance Monitoring Report is for submission online.• No payment made yet as to the penalties imposed per Decision received for NOV issued last November 27, 2020.
Remarks and Recommendation: <ul style="list-style-type: none">• The Plant is to install a wastewater treatment facility to contain wastewater generated during washing of the process equipment.• To pay the penalty as imposed per received Decision.• To submit the required CMR online.• To designated a Pollution Control Officer
List of Documents Reviewed: <p>ECC Copy</p>

Submitted by:


LEDANE JOY Y. LAURENTE
Engineer II

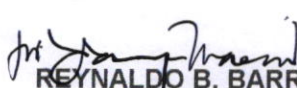
Recommending Approval:


Engr. CARLOS A. CAYANONG
Engineer IV/Chief, WAQMS

Approval:


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

Noted:


REYNALDO B. BARRA, PME
OIC Regional Director

