



COMPLIANCE INSPECTION FOR WATER QUALITY MANAGEMENT



ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number: _____

Date of Inspection: **February 15, 2022**Mission Order No.: **Table/Desk Monitoring****1. GENERAL INFORMATION**Name of Establishment: **GAISANO CAPITAL REAL (HEVA MANAGEMENT & DEVELOPMENT CORP.)**

Address: Real St., Brgy.52, Tacloban City

Geo Coordinates:

11.233426 N,125.002333 ENature of Business: **mall/commercial establishment**

PSIC Code:37000

Product: N/A

Year Established:2017

Operating hours/day:12

Operating days/week:7

Operating days/year:365

Product Lines	Production Rate as Declared in the ECC (unit/day)	Actual Production Rate (unit/day)
	N/A	
Name of Managing Head:	JOSHUA ALFABETE	
Name of PCO:	ENGR. CRISTITO D. CORNELIO	
PCO Accreditation No.:	2019-RVIII-0078	Date of Effectivity: July 18,2019
Phone/Fax:	254-8888/09176770453/ 09306657923	Email: pco.gaisanoreal@gmail.com

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 _____

Name of Contact Person	JOSHUA ALFABETE
Position / Designation	Manager

3. COMPLIANCE STATUS

3.1 DENR Permits/Licenses/Clearance

Environmental Law	Permits		Date of Issue	Expiry Date
PD 1586	ECC1	ECC-OL-R08-2017-0059	08-18-2017	
	ECC2			
	ECC3			
RA 6969	DENR Registry ID	M-GR-R8-37-00482	01-21-2019	
	PCL Compliance Certificate			
	CCO Registry			
	Permit to Transport			
RA 8749	POA No.	PTO-OL-R08-2021-05239	07-12-2021	04-12-2026
RA 9003	ECC for Sanitary Landfill			
RA 9275	DP No.	DP-R08-21-02128	4-12-2021	4-12-2022

4. Water Supply and Wastewater Generation

A. Water Sources

Sources of Water Supply	Daily (m ³ /day)	Annual (m ³ /yr)	Specify if Others
Surface water (river, lakes, etc.)			
Groundwater deep well			
Water utilities Local Water District	3.17	1157	
Others (specify)			

B. Wastewater Sources

Water Use / Sources of Wastewater	Consumed (m ³ /day)	Generated (m ³ /day)	Specify if Others
Process Water			
Domestic Water		3.17	
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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. What type of WWTP?	<input checked="" type="checkbox"/> Physical <input checked="" 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
Final effluent tank	Cancabato Bay	Class SC
	V-weir	Other (specify)
6. Flow Metering Device Use None	<input type="checkbox"/> Flow Meter	
7. Flow Rate (per batch) Not Determined	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 checked="" type="checkbox"/> Anaerobic Digestion	<input type="checkbox"/> Disinfection	
<input type="checkbox"/> Grit Removal	Septic tank	<input type="checkbox"/> Oxidation/Reduction	
<input type="checkbox"/> Oil/Water Separator	<input type="checkbox"/> Tricking Filter	<input type="checkbox"/> Flocculation/ Coagulation	
<input type="checkbox"/> Equalization Tank	<input type="checkbox"/> Oxidation/Stabilization Pond	<input type="checkbox"/> Others (specify) _____	
<input checked="" type="checkbox"/> Others (specify)	<input type="checkbox"/> Sequencing Batch Reactor		
Grease traps	<input checked="" type="checkbox"/> Others (specify) Advanced		
	Oxidation Technology		

B. Condition of the WWTP	
1. What is the general condition of the WWTP during sampling?	<input checked="" 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 checked="" 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	

Information Summary of the previous or recent inspection/sampling:						
Date of Sampling:						
Sampling Station	Outfall	Sampling Time:	10:32 & 7:33 AM/PM			
Type of Sample	Effluent					
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?		√		LBF is not yet paid
DAO 2005-10 Rule 14.1	2. Does the establishment have a Discharge Permit?	√			
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?	√			DP is valid until April 12,2022
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?	√			
	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?				Sampling not yet 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?				Sampling not yet conducted
Other Requirements	13. Are the copies of water analysis reports available?				Sampling not yet conducted
	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:

-Office records showed that Heva Management & Development Corporation was granted with an Environmental Compliance Certificate with reference code: ECC-OL-R08-2017-0059 on August 18,2017 for the Gaisano Capital –Cabigon Project located in Real St., Brgy. 54, Tacloban City.

- The firm has submitted the 4th quarter CY 2021 Self-Monitoring Reports thru the EMB Online System on January 6, 2022.
- A Wastewater Discharge Permit issued is valid until April 12, 2022.
- Engr. Cristito D. Cornelio is the accredited Pollution Control Officer of the establishment. Accreditation is valid until July 18, 2022.
- A 100CMD capacity Sewage Treatment Plant utilizing an Advance Oxidation Process and Technology was installed for the treatment of wastewater generated during operation.
- Permit to Operate issued is valid until April 12, 2026 for the two (2) unit 625KVA (500KW), one (1) unit 569KVA (455KW), and one (1) unit 75KVA (60KW) Caterpillar Brand Standby Genset which serves as standby power source during interruptions. Third Party Source Emission test for the above-mentioned facilities was conducted on September 26, 2020. Results for CO and NOx showed within the DENR source emission standards.
- Hazardous Waste Registration Certificate was issued on January 21, 2019 as hazardous waste generator.


Remarks and Recommendation:

- To apply for the renewal of Wastewater Discharge Permit not less than thirty (30) days before expiration.
- Effluent sampling shall be conducted by EMB R8 technical personnel for significant parameters applicable to the project.
- To update Hazardous Waste Generator Certificate as hazardous waste generator through the EMB Online system.

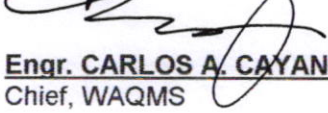
List of Documents Reviewed:

Copy of DP PTO & SMR

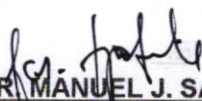
Submitted by:


JANET T. POLEA
 Engr. IV


Recommending Approval:


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

