



SURVEY/INSPECTION FOR WATER QUALITY MANAGEMENT



ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number : _____
Date of Survey/Inspection: **JANUARY 28, 2022**
Mission Order No.: **TABLE/DESK SURVEY**

1. GENERAL INFORMATION		
Name of Establishment: GAISANO CAPITAL – CABIGON (HEVA MANAGEMENT & DEVELOPMENT CORP.)		
Address: REAL ST. BRGY. 54 TACLOBAN CITY		Geo Coordinates: 11.2464549, 125.0009315
Nature of Business: MALL/COMMERCIAL ESTABLISHMENT		
PSIC Code: 681	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: 07/18/2019
Phone/Fax:	254-8888/09176770453/ 09306657923	Email: pco.gaisanoreal@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	New	Renewal
<input type="checkbox"/> PMPIN Application	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hazardous Waste ID Registration	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hazardous Waste Transporter Registration	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hazardous waste TSD Registration	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Permit to Operate Air Pollution Control Installation	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Discharge Permit	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Others _____	<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		
<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 checked="" type="checkbox"/> Others SURVEY		
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			
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 (m³/day)		Annual (m³/day)		Specify if Others
Surface water (river, lakes, etc.)					
Groundwater					
Water utilities	3.17		1157		
Others (specify)					
B. Wastewater Sources					
Water Use / Sources of Wastewater	Consumed (m³/day)		Generated (m³/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 checked="" type="checkbox"/> Chemical <input type="checkbox"/> Others			
C. WWTP Detail					
1. Date Installed		2018			
2. Design Capacity		8 m³/day			
3. Cost of WWTP		1,500,000			
4. Annual Maintenance Cost (Php/year)					
5. Location of Discharge Point(s)		Receiving Water Body		Classification of Water Body	
Basement Area		Cancabato Bay		Class SC	
		<input type="checkbox"/> V-weir		Other (specify) _____	
6. Flow Metering Device Use		<input type="checkbox"/> Flow Meter			
7. Flow Rate		Influent	Effluent	Others (specify)	

A. Components of WWTP N/A			
Primary	Biological	Chemical	Others
<input checked="" type="checkbox"/> Screening <input checked="" 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 checked="" type="checkbox"/> Anaerobic Digestion <input type="checkbox"/> Tricking Filter <input type="checkbox"/> Oxidation/Stabilization Pond <input type="checkbox"/> Sequencing Batch Reactor <input checked="" type="checkbox"/> Others (specify) <u>Advanced Oxidation Process</u>	<input type="checkbox"/> pH Adjustment <input checked="" 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? N/A		<input type="checkbox"/> Properly maintained <input type="checkbox"/> Inadequately maintained <input type="checkbox"/> Poor maintenance <input type="checkbox"/> Others Table monitoring	
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 N/A						
Sampling Point No. 1						
Sampling Station		Sampling Time:				
Type of Sample						
Result Analysis						
Parameter	Value	Unit	DENR Effluent Standards	Compliant		Remarks
				Yes	No	

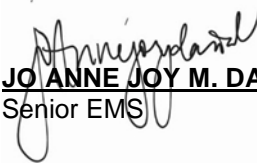
III. SUMMARY OF FINDINGS						
Legal Reference	Compliance Requirements	Compliant			Remarks	
		Y	N	N/A		
DAO 2005-10 Rule 14.1	1. Has the establishment submitted two notarized copies of accomplished application form?	✓			PROJECT ALREADY ISSUED WITH DP	
DAO 2005-10 Rule 14.2	2. Has the establishment submitted 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			✓	

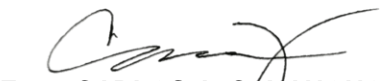
	addition to Section 14.2.				
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Other Observations:
<p>-Office records showed that Heva Management & Development Corporation was granted with an Environmental Compliance Certificate with reference code: ECC-OL-R08-2017-0059 on August 18, 2017 for the Gaisano Capital – Cabigon Project located in Real St., Brgy. 54, Tacloban City.</p> <p>-The firm has submitted the 4th quarter CY 2021 Self-Monitoring Reports thru the EMB Online System on January 6, 2022.</p> <p>-A Wastewater Discharge Permit issued is valid until April 12, 2022.</p> <p>-Engr. Cristito D. Cornelio is the accredited Pollution Control Officer of the establishment. Accreditation is valid until July 18, 2022.</p> <p>-A 100CMD capacity Sewage Treatment Plant utilizing an Advance Oxidation Process and Technology was installed for the treatment of wastewater generated during operation.</p> <p>-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.</p> <p>-Hazardous Waste Registration Certificate was issued on January 21, 2019 as hazardous waste generator.</p> <p>• There are two (2) entries in the Universe for this particular establishment. The firm is listed twice. One listing: GAISANO CAPITAL - CABIGON (HEVA MANAGEMENT & DEVELOPMENT CORPORATION) – includes only the issued ECC. The other listing: GAISANO CAPITAL – REAL bears the details on the issued permits but no ECC is indicated. Project is listed twice with two different addresses, Brgy. 52 and Brgy. 54 Tacloban City. Project occupies portions of both barangays.</p>
Remarks and Recommendation:
<p>✓ For updating of details for GAISANO CAPITAL - CABIGON (HEVA MANAGEMENT & DEVELOPMENT CORPORATION) – includes only the issued ECC to include the recent issued permits.</p> <p>✓ To remove GAISANO CAPITAL – REAL from the Universe due to duplication.</p>
List of Documents Reviewed: ECC, DP, SMR

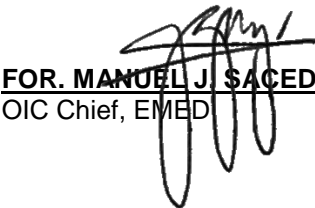
Submitted by:


JO ANNE JOY M. DAÑAL-VILLERO
Senior EMS


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