



COMPLIANCE INSPECTION FOR WATER QUALITY MANAGEMENT

ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number: WATER - 01 - 13
 Date of Inspection: JANUARY 13, 2021
 Mission Order No.: EMBR8-2021-000380

1. GENERAL INFORMATION																													
Name of Establishment: EARTHGRAIN, INC. (NUTRIBAKE COMMISSARY - GOLDILOCKS BAKESHOP, INC.)																													
Address: YKS COMPOUND, BRGY. ANIBONG TACLOBAN CITY		Geo Coordinates: 11.25278°N 124.98939°E																											
Nature of Business: BAKING OF BREAD, CAKES, PASTRIES, PIES AND SIMILAR "PERISHABLE" BAKERY PRODUCTS																													
PSIC Code: 107 10711	Product: BREADS, PIES AND PASTRIES, NATIVE CAKES AND CAKES	Year Established: 2019																											
Operating hours/day: 24	Operating days/week: 3	Operating days/year:																											
Product Lines	Production Rate as Declared in the ECC (unit/day)	Actual Production Rate (unit/day)																											
BREADS	797 MT																												
PIES AND PASTRIES	786 MT																												
NATIVE CAKES	1520 MT																												
CAKES	3886 MT																												
Name of Managing Head:	HAZEL TABLIZO																												
Name of PCO:	KENNETH M. CAPILI																												
PCO Accreditation No.:	2019-RVIII-0172	Date of Effectivity: 12/06/2019 - 12/06/2022																											
Phone/Fax:	09178604509	Email: ialentinc.legal@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 <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 40%;"></th> <th style="text-align: center; width: 20%;">New</th> <th style="text-align: center; width: 20%;">Renewal</th> </tr> </thead> <tbody> <tr> <td>_____ New Renewal</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ PMPIN Application</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Hazardous Waste ID Registration</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Hazardous Waste Transporter Registration</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Hazardous waste TSD Registration</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Permit to Operate Air Pollution Control Installation</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Discharge Permit</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Others _____</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				New	Renewal	_____ New Renewal	<input type="checkbox"/>	<input type="checkbox"/>	_____ 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"/>
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<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 <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">_____ Industrial Ecowatch</td> <td style="width: 20%; text-align: center;"><input type="checkbox"/></td> <td style="width: 20%; text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Philippine Environmental Partnership Program (PEPP)</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Pollution Adjudication Board (PAB)</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Others _____</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>_____ Others _____</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>			_____ Industrial Ecowatch	<input type="checkbox"/>	<input type="checkbox"/>	_____ Philippine Environmental Partnership Program (PEPP)	<input type="checkbox"/>	<input type="checkbox"/>	_____ Pollution Adjudication Board (PAB)	<input type="checkbox"/>	<input type="checkbox"/>	_____ Others _____	<input type="checkbox"/>	<input type="checkbox"/>	_____ Others _____	<input type="checkbox"/>	<input type="checkbox"/>												
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Name of Contact Person	KENNETH M. CAPILI																												
Position / Designation	PCO																												

3. COMPLIANCE STATUS

3.1 DENR Permits/Licenses/Clearance

Environmental Law	Permits		Date of Issue	Expiry Date
PD 1586	ECC1	ECC-OL-R08-2019-0098	06/20/2019	
	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.	DP-R08-20-06572	12/23/2020	12/23/2021

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			
Water utilities	27.67 26.85 or 21.48		Based on 2020 DP application Based on 2020 available water bills
Others (specify)			

B. Wastewater Sources

Water Use / Sources of Wastewater	Consumed (m³/day)	Generated (m³/day)	Specify if Others
Process Water		9.69	Based on 2020 DP
Domestic Water		5.54	
Cooling Water			
Maintenance		6.92	
Storm drain			
Others (specify)		5.52	

C. Quality of Abstracted Water

Sources of Water Supply	BOD/ COD	TSS	AVFP	Heavy Metals	Specify if Others
<i>Sampling not conducted</i>					

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	December 2018
2. Design Capacity	80 m³/day

3. Cost of WWTP	7,100,000.00 PhP		
4. Annual Maintenance Cost (PhP/year)			
5. Location of Discharge Point(s) city sewer	Receiving Water Body Anibong Bay		Classification of Water Body Class SC
	<input type="checkbox"/> V-weir		Other (specify) _____
6. Flow Metering Device Use	<input type="checkbox"/> Flow Meter		
7. Flow Rate	Influent	Effluent 22.15	Others (specify)

A. Components of WWTP

Primary	Biological	Chemical	Others
<input checked="" type="checkbox"/> Screening	<input checked="" type="checkbox"/> Activated Sludge	<input type="checkbox"/> pH Adjustment	
<input checked="" type="checkbox"/> Primary Treatment	<input checked="" type="checkbox"/> Anaerobic Digestion	<input checked="" type="checkbox"/> Disinfection Chlorination	
<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 checked="" 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 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	Discharge Station	Sampling Time:	12/18/2019 @1615H
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Type of Sample

Type of Sample	Effluent
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Result Analysis

Parameter	Value	Unit	DENR Effluent Standards	Compliant		Remarks
				Yes	No	
BOD	10	mg/L	100	✓		Analyzed by Ostrea Mineral Laboratories, Inc.
TSS	7	mg/L	100	✓		
Oil and Grease	<1	mg/L	10	✓		
Surfactants	0.08	mg/L	15	✓		

Water Quality Field Date

Sampling Point No. 1

Sampling Station	Discharge Station	Sampling Time:	01/22/2020 @0417H
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Type of Sample

Type of Sample	Effluent
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Result Analysis

Parameter	Value	Unit	DENR Effluent Standards	Compliant		Remarks
				Yes	No	
BOD	17	mg/L	100	✓		

TSS	3	mg/L	100	✓		
Oil and Grease	1	mg/L	10	✓		
Surfactants		mg/L	15			
Fecal Coliform	110		400	✓		

Water Quality Field Date						
Sampling Point No. 1						
Sampling Station	Discharge Station			Sampling Time:	02/06/2020	
Type of Sample	Effluent					
Result Analysis						
Parameter	Value	Unit	DENR Effluent Standards	Compliant		Remarks
				Yes	No	
BOD	32	mg/L	100			
TSS	26	mg/L	100			
Oil and Grease	1	mg/L	10			
Surfactants		mg/L	15			

Water Quality Field Date						
Sampling Point No. 1						
Sampling Station	Discharge Station			Sampling Time:	03/05/2020	
Type of Sample	Effluent					
Result Analysis						
Parameter	Value	Unit	DENR Effluent Standards	Compliant		Remarks
				Yes	No	
BOD	30	mg/L	100			
TSS	28	mg/L	100			
Oil and Grease	<1	mg/L	10			
Surfactants		mg/L	15			

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?				No computation of Pollutant Load Base Fee.	
DAO 2005-10 Rule 14.1	2. Does the establishment have a Discharge Permit?	✓			DP-R08-20-06572 was issued on 12/23/20200.	
DAO 2005-10 Rule 14.5	3. Does the establishment pay the required discharge permit fee?	✓			OR. No. 4739111 on 12/03/2020	
DAO 2005-10 Rule 14.9	4. Is the permit available and valid?	✓			DP is valid until 12/23/2021	
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?	✓				

	7. Is the permit posted in a proper area?	✓			
DAO 2005-10 Rule 14.16	8. Are the SMRs submitted quarterly and on time?		✓		No records of submitted SMR (hard copies) and online.
DAO 1990-35 Section 4-6	9. Are the effluent parameters compliant with the standards in DENR existing effluent standards?	✓			
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:

- The bakery project was not operational during the time of monitoring. Project is under skeletal workforce with schedule of operations on Tuesdays, Thursdays and Saturdays.
- The bakery project was issued with Environmental Compliance Certificate with Reference Number: ECC-OL-R08-2019-0098) on June 20, 2019. The project covers an area of 2634 square meters with an annual production of 6989 MT.
- Discharge Permit (DP-R08-20-06572) was issued on December 23, 2020 valid until December 23, 2021.
- The project is provided with a Sewage Treatment Plant which employs the conventional Activated Sludge Process. Wastewater generated during commissary operations (washings), food preparation and processing and domestic activities are all channeled to the STP.
- No records of CMR submission.
- No records of SMR submission.
- Two units diesel engine generator sets were observed in powerhouse (308 KW and 385 KW Cummins). Air pollution source facilities were not issued with Permit to Operate Air.

Remarks and Recommendation:

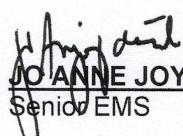
- Include significant parameters for domestic sewage (37000) in Discharge Permit as additional parameters.
- Conduct effluent sampling of wastewater for BOD, TSS, Oil and Grease, Fecal Coliform, Ammonia, Nitrate, Phosphate and Surfactants per DAO 2016-08.
- For computation of Pollutant Load Base Fee.
- Submit quarterly SMR online.
- Submit CMR online.
- Subject diesel engine generator sets to emission testing pursuant to MC 2007-003.
- For issuance of Notice of Violation for non-compliance of the following ECC Conditions:
 - I.2 Submission of Compliance Monitoring report (CMR) on a semi-annual basis; and,
 - I.8 Operating Air Pollution Source facilities without Permit to Operate

- ✓ Submit proof of tree planting pursuant to ECC Condition I.4.
- ✓ Observe proper labelling of generated hazardous wastes pursuant to DAO 2013-22.
- ✓ Apply for DENR Registration ID online as hazardous wastes generator.

List of Documents Reviewed:

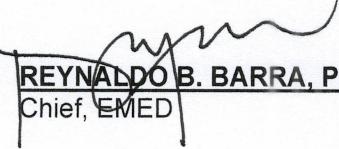
ECC, Discharge Permit

Submitted by:

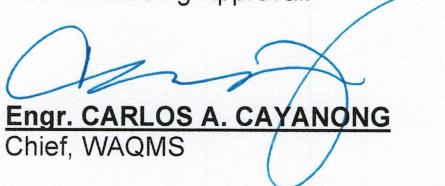

JOANNE JOY M. DAÑAL
Senior EMS


Engr. JANET T. POLEA
Engineer IV

Approval:


REYNALDO B. BARRA, PME
Chief, EMED

Recommending Approval:


Engr. CARLOS A. CAYANONG
Chief, WAQMS

Noted:


LETECIA R. MACEDA
Regional Director