

Position / Designation

ENVIRONMENTAL MANAGEMENT BUREAU REGION 8





Department: ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

(1st Quarter SMR Evaluation)

eport Control Number: WATER	8-02-08					
ate of Inspection: May 18, 20	20					
ission Order No.:						
1. GENERAL INFORMATION						
Name of Establishment: TBK						
Address: Hollywood, Brgy.74,	Nula-Tula, Tacloban City	Geo Coordinates				
Nature of Business: Carrageer	nan Extraction and Refining	11.24542 124.99	1966			
		Year Established	. 1000			
PSIC Code: 10205	Product: Carrageenan Powder	real Established	. 1333			
Operating hours/day: 24	Operating days/week: 6	Operating days/	vear: 312			
Operating floars/ day. 24	operating days, manifest					
Product Lines	Production Rate as Declared	Actual Pro	oduction Rate (unit/day)			
1 Todate Lines	in the ECC (unit/day)					
Caraggeenan Powder	570 MT		1000kg			
Caraggeenan Fowder	370 W11	CEC	000 kg (1st quarter)			
		030	oo kg (1 quarter)			
Name of Managing Head:	Mr. Peter Tan					
Name of PCO:	Engr. Jeffrey A. Sinodivilla					
PCO Accreditation No.:	COA NO. 2020-RVIII-0013	Date of Effectivi	ty: January 13, 2020			
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Phone/Fax:	888-3252/09434036459 Email: jeffrey@tbk.com.ph					
2. PURPOSE OF INSPECTION						
☐ Verify accuracy of information	ation submitted by the establishme	ent pertaining to n	ew permit applications,			
renewals, or modificati	ion					
New Renewal		New	Renewal			
PMPIN Application						
Hazardous Waste ID	Registration					
Hazardous Waste Tr	ansporter Registration					
Hazardous waste TS	[1] [1]					
	ir Pollution Control Installation					
Discharge Permit						
Others						
Others						
5.2						
	tatus with the environmental regul	ations, permit cor	iditions, and other			
requirements						
☐ Investigate community of	The CONTROL OF THE CONTROL OF THE PROPERTY OF					
☐ Check status of voluntar	5					
Industrial Ecowatch						
	nental Partnership Program (PEPP)					
Pollution Adjudicati						
Others						
Others						
Name of Contact Person	Engr. Jeffrey A. Sinodivilla					
The state of the s	Engr. Jeffrey A. Sinodivilla					

Pollution Control Officer

3. COMPLIANCE STATUS

3.1 DENR Permits/Licenses/Clearance

Environmental Law		Permits	Date of Issue	Expiry Date
	ECC1	08-000321-0083	03/28/2000	
PD 1586	ECC2	ECC-R08-1701-0002	01/13/2017	
	ECC3			
	DENR Registry ID	GR-R8-37-0061	08/17/2016	
PCL Compliance RA 6969 Certificate				
	CCO Registry			
	Permit to Transport			
RA 8749	POA No.	POA-2019-E-0837-0144	5/17/2019	5/17/2024
RA 9003	ECC for Sanitary Landfill			
RA 9275	DP No.	DP-R08-19-02546	9/3/2019	9/3/2020

4. Water Supply and Wastewater Gen	eration					
A. Water Sources						
Sources of Water Supply	Daily (m	³/day)		Annua	al (m³/day)	Specify if Others
Surface water (river, lakes, etc.)						
Groundwater						
Water utilities	24	The second second		7488		
Others (specify)						
B. Wastewater Sources						
Water Use / Sources of Wastewater	Consum	ed (m³/c	lay)	Gener	rated (m³/day)	Specify if Others
Process Water	10			10		
Domestic Water	1			1		
Cooling Water						
Maintenance (washing of floors and						
equipment)	2		2			
Storm drain						
Others (specify)	1			1		
Recycled	10			10		
C. Quality of Abstracted Water (No sampli	ng condu	icted)			
	BOD/					
Sources of Water Supply	COD	TSS	AVFP	Heavy	Metals	Specify if Others
						4

5. Information on Wastewater Pollution	
A. Does the Establishment have a Wastewater Treatment Plant?	⊠ Yes □ No
B. What type of WWTP?	 ☑ Physical ☑ Biological ☑ Chemical ☑ Others
C. WWTP Detail (Sequential Batch Reactor)	
1. Date Installed	1999

3. Cost of WWTP			1,000,00	00					
4. Annual Mainten			906,000	906,000					
5. Location of Discharge Point(s)			Receivir	ng Wate	ion of Water Body				
Near rear of the B	f the Boiler Building		San Jua	San Juanico Strait					
			⊠ V-we	eir		Other (spe	acify)		
5. Flow Metering I	Device Use		□ Flow	☐ Flow Meter			-City)		
			Influent		Effluent	Othoro (or	:f-)		
7. Flow Rate			22 m ³		22 m ³	Others (sp	есіту)		
A. Componer	nts of WWT	,	22 111		ZZIII				
Primary		logical			Chemical		Others		
Screening					□ pH Adjustmer	Others			
☐ Primary Treatm	ant	Activated S			Disinfection	IL			
☐ Grit Removal		Anaerobic I	The second secon		Oxidation/Red	luction			
Oil/Water Separ	rator	Tricking Filt			Flocculation/				
Equalization Tar	nk _		tabilization Pon	d	Others (specif				
Others (specify)	1111	Sequencing	Batch Reactor		Others (specif	γ)			
outers (specify)		Others (spec	cify) Aeration Ta	nk					
B. Condition	of the WWT	Р							
. What is the gene			VTP Dram	velse es c	intained				
luring sampling?	rai conditio	ii oi tile vv v			intained				
aring sampling:	[4]				y maintained				
				mainte	enance				
In the MANATTO	1			hers					
. Is the WWTP und		tion or	Yes						
ndergoing rehabil			⊠ No						
. If the answer is N		has this bee	N/A	N/A					
eported to EMB/LI		-1		11/2					
. Which System or units are under onstruction or being modified?			N/A						
. Estimated date o			21/2						
. Estimated date o	ii completio		N/A						
. Treatment units	utilized to tr	eat wastew	ater N/A						
			,						
Vater Quality Field	d Date								
ampling Station	V-W	eir after Sta	bilization Pond	San	npling Date/ Time	results for January 202			
ype of Sample	Was	tewater					•		
esult Analysis									
			DENR Effluer	nt	Com	oliant			
arameter	Value	Unit	Standards		Yes	No	Remarks		
OD	37	mg/L	100		1		Passed		
Н	8.07		6.0-9.0		/		Passed		
OD	21	mg/L	200		/		Passed (01/31/202		
ater Quality Field	d Date								
ampling Station	V-W	eir after Sta	bilization Pond	ion Pond Sampling Date/ Time: A		Average	results for February 20		
ype of Sample	Was	tewater							
esult Analysis		REEL							
			DENR Effluent		Comp	oliant	-		
arameter	Value	Unit	Standards		Yes	No	Remarks		
00	46	mg/L	100		1		Passed		
OD H									

18 m³

2. Design Capacity

Sampling Station	V-We	ir after Sta	bilization Pond	Sampling Date/ Tir	ne: Average	Average results for March 2020	
Type of Sample	Wast	ewater					
Result Analysis							
DENR		DENR Effluent	ENR Effluent Comp				
Parameter	Value	Unit	Standards	Yes	No	Remarks	
BOD	44.02	mg/L	100	1		Passed	
pН	8.02		6.0-9.0	1		Passed	
TSS	37	mg/L	200	1		Passed (03/06/2020)	

Legal Compliance Requirements		Com	pliant		Remarks		
Reference	ce		N	N/A			
DAO 2005-10 Rule 13.1	Does the establishment pay the required wastewater charge?	1			Loadbase Fee of Php 492.80 O.R. No. : 5606421 / 5608678		
DAO 2005-10 Rule 14.1	2. Does the establishment have a Discharge Permit?	1			DP issued with DP No. DP-R08-19-02546		
DAO 2005-10 Rule 14.5	3. Does the establishment pay the required discharge permit fee?	1			Php 2200.00 O.R. No. : 5606421 / 5608678		
DAO 2005-10 Rule 14.9	4. Is the permit available and valid?	1			DP issued is valid until September 3, 2020.		
DAO 2005-10 Rule 14.11	5. Do the discharge points correspond to those declared in the discharge permit?	1					
	6. Is the volume discharged within the allowable volume declared in the discharge permit?	1			Reported in 1st Quarter SMR, the total wastewater generated is 22 m³/day but 10 m³ is being recycled/reused in the process.		
	7. Is the permit posted in a proper area?	1					
DAO 2005-10 Rule 14.16	8. Are the SMRs submitted quarterly and on time?	1			1st Quarter – May 8, 2020		
DAO 1990-35 Section 4-6	9. Are the effluent parameters compliant with the standards in DENR existing effluent standards?	1					
DAO 1990-35 Section 8	10. Does the establishment comply with the additional requirements stated in DAO 1990-35?	1					
DAO 1990-35 Section 9	11. Are the pollution control facilities properly and continuously operated?	1					
DAO 1990-35 Section 10	12. Are the methods of analysis used for effluent samples in accordance with the prescribed methods of the Department?	1					
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?	1					
	16. Are there any pending litigation/PAB cases?			1			

17. Are there spill prevention contingency plans?	1	
18. Are there spill containment facilities available?	/	

Other Observations:

- TBK Manufacturing Corp. was issued with Discharge Permit (DP-RO8-19-02546) on September 3, 2019 valid until September 3, 2024.
- 1st quarter SMR was submitted on May 8, 2020. Results in the submitted SMR are within the DENR Standards for BOD and pH.
- Water pollution data in Module 3 provides a total of 21 m3/day wastewater generation which exceeds the 14 m3/day maximum allowable discharge per Discharge Permit. The 10m3/day recycled wastewater was not indicated in the water pollution data table under Module 3.
- 4. Pollution Control Officer is accredited.

Remarks and Recommendation:

- Per DENR Administrative Order No. 2016-08, significant parameters for wastewater effluent include temperature, pH, COD and TSS. BOD is not a significant parameter for the industry category but rather COD which should be prioritized in the in-house analysis.
- 2. Include volume of recycled wastewater in the water pollution data of Module 3.
- 3. Apply for DP renewal online prior expiration of DP.
- Submit TSS analysis of the abstracted water or source of water supply. (e.g. deep well water, tap water, water distributed by peddlers, etc.) at least two (2) months prior to the expiration of Discharge Permit.
- Submit Certificate of desludging/siphoning of the Septic Tank and treatment of the same by an accredited service provider per DP condition.
- 6. Computation of Load Base Fee should be based on the TSS result.

List of Documents Reviewed:

ECC, SMR, CMR, DP

Submitted by:

Recommending Approval

Engr. CARLOS A. CAYANONG

Chief, WAQMS

Approval:

REYNAUDO & BARRA, PME

Chief, EMED

Noted:

TECIA R. MACEDA

Regional Director