Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Regional Office No. VIII
DENR 8 Compound, Brgy. 2, Jones Extension, Tacloban City
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ISO 9001 QUALITY MANAGEMENT | UKAS MANAGEMENT SYSTEMS | ISO 14001 ENVIRONMENTAL MANAGEMENT

ENVIRONMENTAL MANAGEMENT BUREAU
RELEASED BY:
DATE: 4/19/2022
TIME: 9:04am

April 08, 2022

MR. TOMAS C. CO
Manager
Samar Coco Products Mfg. Corp.
Brgy. Malajog Tinambacan District, Calbayog City

Subject: Approval of Source Emission Test (SET) Plan

Sir:

This refers to your letter received by this Office on 06 April 2022 requesting for the approval of the SET plan for your **two (2) units 400 HP Biomass Boilers 1 & 2 for PM & CO, one (1) unit 815 KW/1999 kg/hr "Gekakonus High Pressure Bioler** for **PM, SO_x, NO_x & CO** and **one (1) unit 1500 KVA/1200 KW Cummins Diesel Engine Generator Set** for **CO** and **NO_x** to be tested by **F.A.S.T Laboratories.** Please be informed that same is approved with a directive to comply with the facilities requirements and sampling methodology as stated in the test plan and strictly observe the fuel used as indicated in its "Permit to Operate" APSI's. Change of fuel during testing is not allowed; results will be invalid.

Further, your Pollution Control Officer shall observe/check the conduct of the test and ensure that the DENR Accredited Third-Party Sampler strictly follows the following sampling requirements throughout the test:

a. Equipment/apparatus available e.g., pumps, flasks, stop-cocks and impingers are clean, operational, functional and properly maintained;
b. Chemicals used are not expired;
c. Time of sampling must be strictly observed;
d. No laptop or similar gadgets should be used during the sampling period; and
e. The accredited QA/QC and the Team Leader, as the authorized personnel, should be at the facility during the conduct of actual sampling.

This Office will send technical personnel to witness the conduct of the test and observe the conditions of the facilities to be tested scheduled on **18-20 April 2022**.

Please be reminded that the SET Report shall be submitted within thirty (30) days from the date of testing to include the operating condition of the source at the time of sampling (e.g., fuel consumed, temp. and mode of operation).

Further, you are hereby directed to apply for a Temporary Permit to Operate for Air Pollution Source and Control Installations of one (1) unit 815 KW/1999 kg/hr "Gekakonus High-Pressure Boiler through the EMB Online Permitting ad Monitoring System, htpps://opms.emb.gov.ph/.

Be guided accordingly.

Very truly yours,

REYNALDO B. BARRA, PME.
OIC-Regional Director

DENR - ENVIRONMENTAL MANAGEMENT BUREAU REGION VIII

Digitally signed by DENR - Environmental Management Bureau Region VIII
DN: cn=DENR - Environmental Management Bureau Region VIII c=PH
Reason: This document is officially certified by EMBR8
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Date: 2022-06-07 15:09+08:00

DEPARTMENT OF ENVIRONMENT and NATURAL RESOURCES
ENVIRONMENTAL MANAGEMENT BUREAU REGION 8
DENR Compound, Jones St., Brgy. 02, Tacloban City

EVALUATION OF SOURCE SPECIFIC TEST PLAN

Date Received: April 06, 2022
Date Evaluated: April 08, 2022

I. FACILITY INFORMATION

Name of Industry: **SAMAR COCO PRODUCTS MFG. CORP.**
Industry Category: **Manufacture of Crude Coconut Oil and Refined Coconut Oil**
Plant Address: **Brgy. Malajog Tinambacan District, Calbayog City**
Contact Person: **Mr. Jill Gementiza**
Position: **Pollution Control Officer**
Contact Number: **0917-568-0532**
Email Address: **samarcocoproducts@yahoo.com**
Permit to Operate Reference No: **17-POA-J-0860-0499**
Issued On: **October 3, 2017** Valid Until: **October 3, 2022**

II. PRODUCTION INFORMATION and REQUIREMENT

The One (1) Unit 1500 KVA/1200 KW Cummins Diesel Engine Generator Set should operate at a minimum required load/operating capacity of 30% and or greater of permitted capacity and the Two (2) Unit 400 HP Biomass Boilers and One (1) unit 815KW/1999 kg/hr "Gekakonus" High Pressure Boiler at least 90% or at the normal operating capacity during the time of testing.

III. AIR POLLUTION SOURCE INFORMATION

A. APSI: **Two (2) Units Biomass Boiler**
Rated Capacity: **400 HP**
Type of Fuel Used: **Coco Shell**
Fuel Consumption:
No. of Stack: **2**
Stack Diameter: **0.6096 m each stack**
Stack Height: **18 m each stack**
Ave. Annual Operating Hours:
Year Installed: **2013**
APCD: **Cyclone Dust Collector**

B. APSI: **One (1) unit GEKAKONUS High Pressure Boiler**
Rated Capacity: **815 KW / 1999 KG/HR**
Type of Fuel Used: **Diesel**
Fuel Consumption:
No. of Stack: **1**
Stack Diameter: **0.3556 m**
Stack Height: **9.50 m**
Ave. Annual Operating Hours:
Year Installed: **2020**
APCD:

C. APSI: **One (1) Unit Cummins Genset**
Rated Capacity: **1500 KVA / 1200 KW**
Type of Fuel Used: **Diesel**
Fuel Consumption:
No. of Stack: **1**
Stack Diameter: **0.3048 m**
Stack Height: **6 m**
Ave. Annual Operating Hours:
Year Installed: **2002**

EVALUATION OF SOURCE SPECIFIC TEST PLAN

IV. TEST METHODOLOGY

Particulars	Test Date	Parameters	Test Method	Test Duration	Notes
Two (2) units 400 HP Biomass Boilers	April 18-20, 2022	Volumetric Flow rate (VFR)	USEPA Method 1-4	Three (3) runs per exhaust	Performed concurrent with Method 5
		Carbon Dioxide (CO2)	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample during M5 Test
		Oxygen (O2)	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample
		Particulate Matter (PM)	USEPA Method 5	Three (3) runs per exhaust	Performed with Method 5 set-up
		Carbon Monoxide (CO)	USEPA Method 10 by NDIR	Three (3) runs per exhaust	Integrated Tedlar bag sample during M5 Test
One (1) unit 815 KW/1999 kg/hr "Gekakonus High Pressure Bioler	April 18-20, 2022	Volumetric Flow rate (VFR)	USEPA Method 1-4	Three (3) runs per exhaust	Performed concurrent with Method 5
		Carbon Dioxide (CO2)	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample during M5 Test
		Oxygen (O2)	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample
		Particulate Matter (PM)	USEPA Method 5	Three (3) runs per exhaust	Performed with Method 5 set-up
		Nitrogen Oxides (NO_x)	USEPA Method 7	Three (3) runs per exhaust	Three grab samples in flasks collected per run
		Carbon Monoxide (CO)	USEPA Method 10 by NDIR	Three (3) runs per exhaust	Integrated Tedlar bag sample during M5 Test
		Sulfur Dioxide (SO_x)	USEPA Method 6	Three (3) runs per exhaust	Simultaneous with Method 5
One (1) Unit 1,000 KW CATERPILLAR Diesel Engine Generator Set	April 18-20, 2022	Carbon Dioxide (CO2)	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample during M5 Test
		Oxygen (O2)	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample
		Nitrogen Oxides (NO_x)	USEPA Method 7	Three (3) runs per exhaust	Three grab samples in flasks collected per run

EVALUATION OF SOURCE SPECIFIC TEST PLAN

		Carbon Monoxide (CO)	USEPA Method 10 by NDIR	Three (3) runs per exhaust	Integrated Tedlar bag sample during M5 Test

V. THIRD PARTY INFORMATION

Name of Accredited Third Party: **F.A.S.T Laboratories**
Address: **Allied Concrete Building KM 54 Brgy. Makiling Calamba City Laguna**
Name of QA/QC: **Engr. Proserfino P. Commendador**
Name of Team Leader: **Mr. Romel D. Sia**
SAT Accreditation No.: **2020-120** Valid until: **January 22, 2024**
Name of Members: **Mr. Nerelito U. Braga** **Field Technician**
Mr. Jerson Estardo **Field Technician**

VI. REMARKS/RECOMMENDATIONS

1. Recommended for the approval of test plan with condition of operating the One (1) Unit 1500 KVA/1200 KW Cummins Diesel Engine Generator Set should operate at a minimum required load/operating capacity of 30% and or greater of permitted capacity and the Two (2) Unit 400 HP Biomass Boilers and One (1) unit 815KW/1999 kg/hr "Gekakonus" High Pressure Boiler at least 90% or at the normal operating capacity during the time of testing.
2. Emission test report shall be submitted to this office within thirty (30) days after the conduct of the test

Prepared by:

JOSEPH R. AURE/JANET T. POLEA
Source Emission Monitoring Specialist/Engineer 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