



Republic of the Philippines  
Department of Environment and Natural Resources  
**ENVIRONMENTAL MANAGEMENT BUREAU**

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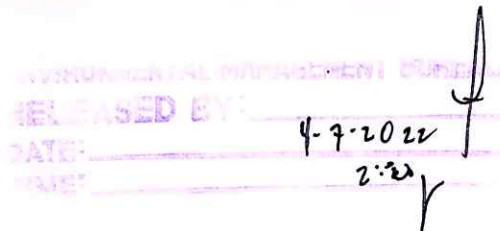
Website: [r8.emb.gov.ph](http://r8.emb.gov.ph)



April 4, 2022

**MS. TRACY JOY C. LAUS**

Pollution Control Officer  
Coca-Cola Beverages Philippines Inc.  
Brgy. 75, Fatima Village Tacloban City



Dear Ms. Laus,

Environmental Greetings!

This is to acknowledge your submission of Source Emission Test Report conducted on February 16-17, 2022, by Ostrea Mineral Laboratories Inc. for the One (1) unit 100 BHP Superior Boiler no. 2 and One (1) unit 1000 KW Caterpillar Diesel Engine Generator Set

Based on the evaluation, the test results comply with the applicable standard of the National Emission Standards for Source Specific Air Pollutants (NESSAP) of the DENR Administrative Order 2000-81 (Implementing Rules and Regulations of the Clean Air Act of 1999) of RA 8749.

It <sup>is</sup> recommended that the next schedule of Source Emission Testing of the One (1) unit 100 BHP Superior Boiler no. 2 and One (1) unit 1000 KW Caterpillar Diesel Engine Generator Set will be between **January-December 2023**.

For your information and guidance.

Thank you.

Very truly yours,

  
**ENGR. REYNALDO B. BARRA**  
OIC, Regional Director



Environmental Management Bureau Region 8

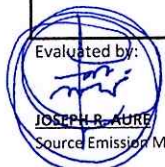
## Source Emission Test Report Evaluation Sheet

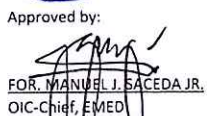
Report Control No. : \_\_\_\_\_

Name of Firm	Coca-Cola Beverages Philippines, Inc.
Address	Brgy. 75 Fatima Village, Tacloban City, Leyte
Source Description	A. 100 BHP Superior Boiler # 2 B. 1,000 KW Caterpillar Genset
Name of 3rd Party Testing Company	Ostrea Mineral Laboratories, Inc.
Test Plan Approval	February 9, 2022
Date of Testing	February 16-17, 2022
Test Report Submission	March 29, 2022

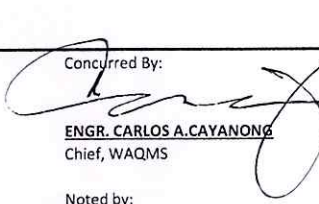
Action	Complete	Incomplete	Not Applicable	Remarks
<b>Review/verify facility information</b>				
Name	✓			
Description	✓			
Source Identification	✓			
Pollutants tested	<input checked="" type="checkbox"/> PM <input checked="" type="checkbox"/> SO <sub>x</sub> <input checked="" type="checkbox"/> NO <sub>x</sub> <input checked="" type="checkbox"/> CO			
Identification of source tested	✓			Did not Pass Method 1
Date of test	✓			
Report is certified by senior person	✓			
Summary description of methods used	✓			
Any variation to standard methods is explained			✓	No variations
Summary of test results	✓			A. 100 BHP Superior Boiler PM: 8.3 mg/Ncm SO <sub>x</sub> : 3 mg/Ncm NO <sub>x</sub> : 3 mg/Ncm CO: 99.3 mg/Ncm B. 1,000 KW Caterpillar Genset NO <sub>x</sub> : 213 mg/Ncm CO: 128.5 mg/Ncm
<b>Discussion of test results:</b>				
Comparison with standards	✓			Passed
Any problems encountered during testing			✓	
Likely cause of problems			✓	
Impact of problems on test results			✓	
<b>Facility operating conditions:</b>				
Operating conditions/process are specified	✓			A. 30% load B. 28.41%
Variations from conditions proposed in site-specific test plan explained			✓	
Means of certifying operating conditions explained			✓	
Control room log extracts/other data included	✓			
<b>Sampling and analytical procedures</b>				
Method 1 & 2				
Sampling points	✓			
Cyclonic Flow Check	✓			
Flue Gas Velocity	✓			
Method 3 flue gas composition	✓			
Method 4 flue gas moisture content	✓			
Method 5/6 particulate matter & sulfur oxides				
Sample Collection	✓			
Sample recovery	✓			
Sample analysis	✓			
Method 7 Nitrogen Oxides				
Sample collection	✓			
Sample recovery	✓			
Sample analysis	✓			
Method 10 Carbon Monoxide				
Sample Collection	✓			
Sample recovery	✓			
Sample Analysis	✓			
<b>QA/QC Procedures</b>				
Particulate & Sulfur	✓			
Nitrogen Oxides	✓			
Carbon Monoxide	✓			
<b>Raw field data sheets</b>				
Method 1	✓			A. D <sub>s</sub> : 0.31 m H: 10 m A. D <sub>s</sub> : 0.29 m H: 8 m

Method 2	✓			
Method 3	✓			A. %CO <sub>2</sub> : 8.0 ; %O <sub>2</sub> : 13.0 B. %CO <sub>2</sub> : 8.5 ; %O <sub>2</sub> : 12.5
Method 4	✓			
Method 5/6	✓			
Method 7	✓			
<b>Analytical Laboratory Data</b>				
Gravimetric Particulate Analysis	✓			
SO <sub>x</sub> Analysis Data	✓			
SO <sub>x</sub> Audit Sample	✓			
NO <sub>x</sub> Analytical Data	✓			
NO <sub>x</sub> Audit Sample Data	✓			
Method 7 Spectrophotometer calibration data	✓			
CO analysis data	✓			
Chain of custody documentation	✓			
<b>Evidence of equipment calibration</b>				
5 point meter calibration	✓			Calibrated 2/5/2022
meter box post test calibration data	✓			Calibrated 02/16/2022
pitot tube inspection data	✓			Calibrated 11/25/2021
nozzle calibration data	✓			Calibrated 11/25/2021
thermocouple calibration data	✓			Calibrated 03/29/2021
temperature display calibration data	✓			Calibrated 01/28/2022
barometer calibration data	✓			Calibrated 03/29/2021
balance calibration data	✓			Calibrated 12/01/2021
NO <sub>x</sub> flask calibration data	✓			Calibrated 08/08/2021
Orsat/Fyrite analysis audit data	✓			Calibrated 12/01/2021
<b>Others:</b>				
Test Participants Attendance	✓			
Permit to Operate	✓			POA-2019-G-0837-0203 valid until August 14, 2024
Certificate of Accreditation	✓			SAT # 2020-83 valid until June 25, 2023
Spot-check at least two calculations from raw data. State which and note comparison with report	✓			
Calculation:	✓			
Input at least one run of field data into your calculation spreadsheet and verify results	✓			
<b>Recommendations:</b>				
1. Emission test reports should be submitted 30 days after the conduct of test.				

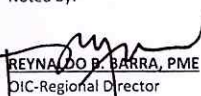
Evaluated by:  
  
**JOSEPH R. AURE**  
 Source Emission Monitoring Specialist

Approved by:  
  
**FOR: MANUEL J. SACEDA JR.**  
 OIC-Chief, EMED

Concurred By:

  
**ENGR. CARLOS A. CAYANONG**  
 Chief, WAQMS

Noted by:

  
**REYNALDO B. BARRA, PME**  
 OIC-Regional Director