



Republic of the Philippines  
Department of Environment and Natural Resources  
**ENVIRONMENTAL MANAGEMENT BUREAU**  
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21 March 2022

**MR. JESSEL TEFORA**  
Managing Head  
Gaisano Capital Riverside Mall  
Brgy. Alegria, Ormoc City

**ENVIRONMENTAL MANAGEMENT BUREAU**  
**RELEASED BY:**   
**DATE:** 3/23/2022  
**TIME:** 8:22am

Subject: **Approval of Source Emission Test (SET) Plan**

Sir:

This refers to your letter received by this Office on 09 March 2022 requesting for the approval of the SET plan for your **two (2) units 760KVA (600KW) Caterpillar Brand Standby Genset** to be tested by **PUREJJEM ENVIRONMENTAL CORPORATION**. 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 **30 March 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).

Be guided accordingly.

Very truly yours,

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



## EVALUATION OF SOURCE SPECIFIC TEST PLAN

Date Received: March 09, 2022

Date Evaluated: March 21, 2022

### I. FACILITY INFORMATION

Name of Industry **GAISANO CAPITAL RIVERSIDE MALL**

Industry Category: **mall**

Plant Address: **Brgy. Alegria, Ormoc City**

Contact Person: **Mr. Jean Michael Obina**

Position: **Pollution Control Officer**

Contact Number: **09073684787/09773543810**

Email Address: **jean01071994@gmail.com**

Permit to Operate Reference No: **PTO-OL-R08-2020-03262-R**

Issued On: **28 December 2020**

Valid Until: **28 December 2025**

### II. PRODUCTION INFORMATION and REQUIREMENT

The two (2) units 750KVA Caterpillar Brand Standby Genset should operate at a minimum required load/operating capacity of 30% and or greater of permitted capacity during the time of testing.

### III. AIR POLLUTION SOURCE INFORMATION

1. **APSI: two (2) units Caterpillar Brand Standby Diesel Generator Set**

Rated Capacity: **750KVA (600KW)**

Type of Fuel Used: **Diesel**

Fuel Consumption:

No. of Stack: **1**

Stack Diameter:

Stack Height:

Ave. Annual Operating Hours:

Year Installed:

### IV. TEST METHODOLOGY

Particulars	Test Date	Parameter	Test Method	Test Duration	Notes
<b>Two (2) units 750KVA (600KW) Caterpillar Brand Standby Genset</b>	<b>March 30, 2022</b>	<b>Nitrogen Oxides (NO<sub>x</sub>)</b>	<b>USEPA Method 7</b>	<b>Three (3) 30 min test runs, 3 grab samples per run</b>	<b>Total of nine samples to be collected</b>
		<b>Carbon Monoxide (CO)</b>	<b>USEPA Method 10 by NDIR</b>	<b>Three (3) thirty min test runs</b>	<b>Integrated Tedlar bag sample during each test run</b>
		<b>Carbon Dioxide (CO<sub>2</sub>)</b>	<b>USEPA Method 3 by Fyrite</b>	<b>Three (3) readings per run</b>	<b>Integrated Tedlar bag sample during M5 test</b>
		<b>Oxygen (O<sub>2</sub>)</b>	<b>USEPA Method 3 by Fyrite</b>	<b>Three (3) readings per run</b>	<b>Integrated Tedlar bag sample during M5 test</b>

### V. THIRD PARTY INFORMATION

Name of Accredited Third Party: **PUREJJEM ENVIRONMENTAL CORPORATION**

Address: **# 10 Quezon Road, San Isidro, San Simon, Pampanga**

Name of QA/QC: **ENGR. MARK VINCENT D. LAU**

Name of Team Leader: **ENGR. JOHN CARLO L. JACINTO**

SAT Accreditation No.: **2020-90**

Issued On: 17 September 2020  
Name of Members:

Valid Until: 17 September 2023

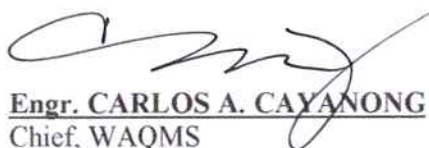
**VI. REMARKS/RECOMMENDATIONS**

- 1) Recommended for the approval of test plan with a condition of operating the two (2) units 760KVA (600KW) Caterpillar Brand Standby Genset at a minimum required load/operating capacity of 30% and or greater of permitted 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.


Submitted by:

  
JANET T. POLEA  
Engr. 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