



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
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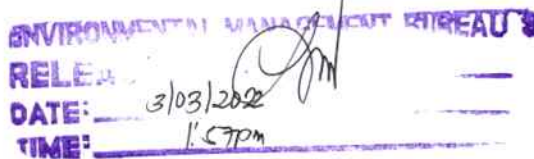
25 February 2022

ENGR. ANTONIO AUNZO

Plant Manager

HIDECO Sugar Milling Co., Inc.

Brgy. Montebello, Kananga, Leyte



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

Sir:

This refers to your letter received by this Office on 23 February 2022 requesting the approval of the SET plan for your **one (1) unit 728 KW Mandiesel Brand Standby Diesel Engine Generator Set for CO and NOx and two (2) units 5,300 BHP Babcock Atlantique Brand Water Tube Boiler for PM and CO** 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:

- Equipment/apparatus available e.g., pumps, flasks, stop-cocks and impingers are clean, operational, functional and properly maintained;
- Chemicals used are not expired;
- Time of sampling must be strictly observed;
- No laptop or similar gadgets should be used during the sampling period; and
- 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 **February 28-March 3, 2022**.

Please be reminded that the SET Report shall be submitted within thirty (30) days from 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: February 23, 2022

Date Evaluated: January 25, 2022

I. FACILITY INFORMATION

Name of Industry: **HIDECO SUGAR MILLING COMPANY, INC.**

Industry Category: **1072**

Plant Address: **Brgy. Montebello, Kananga, Leyte**

Contact Person: **Mr. Frances Ian B. Macabansag**

Position: **Pollution Control Officer**

Contact Number: **0917-555-3262**

Email Address: hsmc.prod@gmail.com

Permit to Operate Reference No: **17-POA-J-0837- 0511**

Issued On: **19 October 2017**

Valid Until: **19 October 2022**

II. PRODUCTION INFORMATION and REQUIREMENT

The two (2) units 5,300 BHP / 60 tons steam per hour Babcock Atlantique Brand Water Tube Boiler should operate at a minimum required load/operating capacity of at least 90% or at the normal operating capacity during the time of testing. While the one (1) unit 728KW Mandiesel Brand Standby Genset should operate at 30% or greater of permitted capacity during the time of testing.

III. AIR POLLUTION SOURCE INFORMATION

1. APSI: Two (2) units Babcock Atlantique Brand Water Tube Boiler

Rated Capacity: **5,300 BHP / 60 tons steam per hour**

Type of Fuel Used: **Bagasse**

Fuel Consumption:

No. of Stack: **1**

Stack Diameter: **73.7 in**

Stack Height: **22.6m**

Ave. Annual Operating Hours: **24hrs/day**

Year Installed: **1972**

2. APSI: One (1) unit Mandiesel Brand Diesel Engine Generator Set

Rated Capacity: **728 KW**

Type of Fuel Used: **Diesel**

Fuel Consumption:

No. of Stack: **1**

Stack Diameter:

Stack Height:

Ave. Annual Operating Hours:

Year Installed: **1972**

IV. TEST METHODOLOGY

Particulars	Test Date	Parameter	Test Method	Test Duration	Notes
One (1) unit 728 KW Mandiesel	February 28-March 3, 2022	Carbon Dioxide (CO2)	USEPA Method 3	Three (3) runs per exhaust	

Brand Diesel Engine Generator Set		Oxygen (O ₂)	USEPA Method 3	Three (3) runs per exhaust	
		Nitrogen Oxides (NO _x)	USEPA Method 7	Three (3) runs per exhaust	Three grab sampling per run
		Carbon Monoxide (CO)	USEPA Method 10	Three (3) runs per exhaust	Grab sampling
two (2) units 5,300 BHP / 60 tons steam per hour Babcock Atlantique Brand Water Tube Boiler	February 28-March 3, 2022	Sample and Velocity Traverse Points	USEPA Method 1	Single Run / 40 minutes	
		Stack Gas Velocity and Volumetric Flow Rate	USEPA Method 2	Single Run / 40 minutes	Simultaneous with Method 1
		Carbon Dioxide (CO ₂)	USEPA Method 3	Three (3) runs per exhaust	
		Oxygen (O ₂)	USEPA Method 3	Three (3) runs per exhaust	
		Moisture Content	USEPA Method 4	3 runs / 1-2 hour set up and sampling run	Simultaneous with Particulate Matter
		Particulate Matter	USEPA Method 1-5	3runs / 1-2 hour set up and sampling run	Isokinetic sampling
		Carbon Monoxide (CO)	USEPA Method 10	Three (3) runs per exhaust	Grab sampling

V. THIRD PARTY INFORMATION

Name of Accredited Third Party: **F.A.S.T LABORATORIES**

Address: **Allied Concrete Bldg., Km.54, Brgy. Makiling, Calamba City, Laguna**

Name of QA/QC: **ENGR. PROSERFINO P. COMENDADOR**

Name of Team Leader: **ENGR. ROMEL D. SIA**

SAT Accreditation No.: **2020-120**

Issued On: **22 January 2021**

Valid Until: **22 January 2024**

Name of Members: **Mr. Nerelito U. Braga**

Mr. Jerson Estardo

Engr. Jaime B. Hernane Jr.

VI. REMARKS/RECOMMENDATIONS

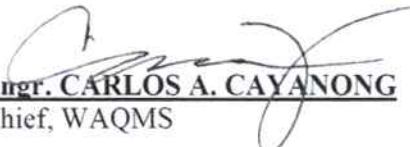
1. Recommended for the approval of test plan with a condition of operating the one (1) unit 728 Mandiesel Brand Diesel Engine Generator Set at a minimum required load/operating capacity of 30% or greater of permitted capacity during the time of testing and the two (2) units 5,300 BHP / 60 tons steam per hour Babcock Atlantique Brand Water Tube Boiler at a minimum required load/operating capacity of 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.

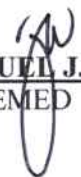
Submitted by:


JANETT 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