



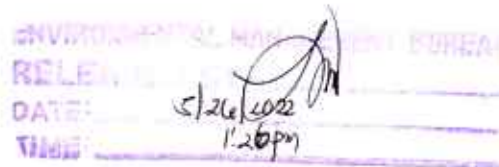
May 23, 2022

**MR. AUGUSTO A. BARBA II**

Plant Manager

Pulp Specialties Philippines Inc.

Sitio Magbangon Brgy. Tinag-an Albueria Leyte



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

Sir,

This refers to your letter requesting for the approval of SET plan for the **One (1) unit 800 HP “Enertech” Boiler for PM, SO<sub>x</sub>, NO<sub>x</sub> & CO** and **One (1) unit 400 HP “Cyclotherm” Rice Hull Fed Biomass Boiler for PM and CO** to be tested by **Berksman Systems Inc. (BSI)**. Please be informed that same is approved with a directive to comply with the facility’s requirements and sampling methodology as stated in the test plan and strictly observe the fuel used as indicated in its “Permit to Operate” APSIs. 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 **6-7 June 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,

fr:

**REYNALDO B. BARRA, PME**

OJC-Regional Director



## EVALUATION OF SOURCE SPECIFIC TEST PLAN

Date Received: May 19, 2022

Date Evaluated: May 23, 2022

### I. FACILITY INFORMATION

Name of Industry: **Pulp Specialties Philippines Inc.**

Industry Category: **Pulp Milling**

Plant Address: **Sitio Magbangon Brgy. Tinag-an Albucera Leyte**

Contact Person: **Mr. Augusto A. Barba II**

Position: **Plant Manager**

Contact Number: **(053) 562-9561**

Email Address: **pur\_pspi@yahoo.com.ph**

Permit to Operate Reference No: **POA-2020-B-0837-0053**

Issued On: **March 05, 2020** Valid Until: **Feb. 12, 2025**

### II. PRODUCTION INFORMATION and REQUIREMENT

The One (1) unit 800 HP "Enertech" Boiler and One (1) unit 400 HP "Cyclotherm" Rice Hull Fed Biomass Boiler should operate at least 90% or at the normal operating capacity during the time of testing.

### III. AIR POLLUTION SOURCE INFORMATION

A. APSI: One (1) unit 800 HP "Enertech" Boiler

Rated Capacity: 800 HP

Type of Fuel Used: 50% Diesel & 50% Bunker Fuel Oil

Fuel Consumption:

No. of Stack: 1

Stack Diameter:

Stack Height:

Ave. Annual Operating Hours:

Year Installed: 2002

B. APSI: One (1) unit 400 HP "Cyclotherm" Rice Hull Fed Biomass Boiler

Rated Capacity: 400 HP

Type of Fuel Used: Ricehull

Fuel Consumption:

No. of Stack: 1

Stack Diameter:

Stack Height:

Ave. Annual Operating Hours:

Year Installed: 2015





## EVALUATION OF SOURCE SPECIFIC TEST PLAN

### IV. TEST METHODOLOGY

Particulars	Test Date	Parameters	Test Method	Test Duration	Notes
One (1) unit 800 HP "Eneritech" Boiler	June 6, 2022	Volumetric Flow rate (VFR)	USEPA Method 1-4	Three (3) runs per exhaust	Performed concurrent with PM Test
		Carbon Dioxide (CO <sub>2</sub> )	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample during M5 Test
		Oxygen (O <sub>2</sub> )	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample during M5 Test
		Particulate Matter (PM)	USEPA Method 5	Three (3) runs per exhaust	Performed with Method 5 set-up
		Sulfur Oxides (SO <sub>x</sub> )	USEPA Method 6	Three (3) runs per exhaust	Simultaneous with Method 5
		Nitrogen Oxides (NO <sub>x</sub> )	USEPA Method 7	Three (3) runs per exhaust (Three (3) trials/run)	Three grab sample flasks collected per run
		Carbon Monoxide (CO)	USEPA Method 10 by NDIR	Three (3) runs per exhaust	Integrated Tedlar bag sample during M5 Test
One (1) unit 400 HP "Cyclotherm" Rice Hull Fed Biomass Boiler	June 7, 2022	Volumetric Flow rate (VFR)	USEPA Method 1-4	Three (3) runs per exhaust	Performed concurrent with PM Test
		Carbon Dioxide (CO <sub>2</sub> )	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample during M5 Test
		Oxygen (O <sub>2</sub> )	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar Bag sample during M5 Test
		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

### I. THIRD PARTY INFORMATION

Name of Accredited Third Party: Berksman Systems Inc. (BSI)

Address: 208 VAG Building, Ortigas Ave., Greenhills, San Juan City, Metro Manila

Name of QA/QC: Jose Arjay M. Santiago

Name of Team Leader: Ceicel A. Allego

SAT Accreditation No.: 2022-66

Valid until: April 06, 2025



## EVALUATION OF SOURCE SPECIFIC TEST PLAN

Name of Members:

1. Roy D. Pontillas
2. Jeffer P. Menchavez
3. Rodel A. Armillas

Field Technician  
Field Technician  
Field Technician

### II. REMARKS/RECOMMENDATIONS

1. Recommended for the approval of test plan with condition of operating the One (1) unit 800 HP "Enertech" Boiler and One (1) unit 400 HP "Cyclotherm" Rice Hull Fed Biomass Boiler should operate 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/Engr. JANET T. POLEA**  
Source Emission Monitoring Specialist/Engineer IV

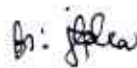
Recommending Approval:

  
**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