




May 18, 2022

**MR. CESAR C. BANAAG**  
SVP Manufacturing  
Philippine Phosphate Fertilizer Corporation  
LIDE, Isabel Leyte

**ENVIRONMENTAL MANAGEMENT BUREAU**  
RELEASED BY:   
DATE: 5/23/2022  
TIME: 8:59am

**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 of 25 MTPH Coal Fired Utility Steam Boiler (Boiler No.4)** for **PM, SO<sub>x</sub>, NO<sub>x</sub>, CO and Heavy Metals** 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:

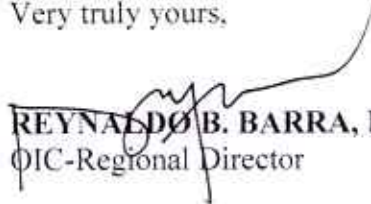
- Equipment/apparatus available e.g., pumps, flasks, stop-cocks, and impingers are clean, operational, functional, and properly maintained;
- Chemicals used are not expired;
- Time of sampling must be strictly observed;
- No laptop or similar gadgets should be used during the sampling period; and
- The 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 **30-31 May 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: May 13, 2022  
Date Evaluated: May 16, 2022

### I. FACILITY INFORMATION

Name of Industry: **Philippine Phosphate Fertilizer Corporation**

Industry Category:

Plant Address: **LIDE, Isabel Leyte**

Contact Person: **Mr. Cesar C. Banaag**

Position: **SVP Manufacturing**

Contact Number: **0992-592-8763**

Email Address:

Permit to Operate Reference No: **18-POA-J-0837-0246**

Issued On: **October 09, 2018** Valid Until: **January 9, 2019**

### II. PRODUCTION INFORMATION and REQUIREMENT

The **One (1) unit of 25 MTPH Coal Fired Utility Steam 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 of 25 MTPH Coal Fired Utility Steam Boiler**

Rated Capacity: **25 MTPH**

Type of Fuel Used: **Coal**

Fuel Consumption:

No. of Stack: **1**

Stack Diameter:

Stack Height:

Ave. Annual Operating Hours:

Year Installed:

### IV. TEST METHODOLOGY

Particulars	Test Date	Parameters	Test Method	Test Duration	Notes
<b>One (1) unit of 25 MTPH Coal Fired Utility Steam Boiler</b>	<b>May 30-31, 2022</b>	<b>Volumetric Flow rate (VFR)</b>	<b>USEPA Method 1-4</b>	<b>Three (3) runs per exhaust</b>	<b>Performed concurrent with Method 29 Test</b>
		<b>Carbon Dioxide (CO<sub>2</sub>)</b>	<b>USEPA Method 3 by Fyrite</b>	<b>Three (3) runs per exhaust</b>	<b>Integrated Tedlar Bag sample during M29 Test</b>
		<b>Oxygen (O<sub>2</sub>)</b>	<b>USEPA Method 3 by Fyrite</b>	<b>Three (3) runs per exhaust</b>	<b>Integrated Tedlar Bag sample during M29 Test</b>
		<b>Particulate Matter (PM)</b>	<b>USEPA Method 5</b>	<b>Three (3) runs per exhaust</b>	<b>Performed concurrent with Method 29 Test</b>
		<b>Nitrogen Oxides (NO<sub>x</sub>)</b>	<b>USEPA Method 7</b>	<b>Three (3) runs per exhaust</b>	<b>Three grab samples in flasks collected per run</b>
		<b>Sulfur Dioxide (SO<sub>x</sub>)</b>	<b>USEPA Method 6</b>	<b>Three (3) runs per exhaust</b>	<b>Simultaneous with Method 6</b>





## EVALUATION OF SOURCE SPECIFIC TEST PLAN

		Carbon Monoxide (CO)	USEPA Method 10 by NDIR	Three runs per exhaust	(3) per	Integrated Tedlar Bag sample during M29 Test
		Heavy Metals	USEPA Method 29	Three runs per exhaust	(3) per	Performed with Method 29 set-up

### V. 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**

Name of Members:

1. **Roy D. Pontillas**

**Field Technician**

2. **Jeffer P. Menchavez**

**Field Technician**

3. **Rodel A. Armillas**

**Field Technician**

### VI. REMARKS/RECOMMENDATIONS

1. Recommended for the approval of test plan with condition of operating One (1) unit of 25 MTPH Coal Fired Utility Steam 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