



Republic of the Philippines  
Department of Environment and Natural Resources  
**ENVIRONMENTAL MANAGEMENT BUREAU**  
Regional Office No. VIII  
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28 February 2022

**RENE BOY C. VELASCO**  
Managing Head  
Strong Built Mining Development Corp. /  
MacArthur Iron Projects Corp.  
Zone 5, Maya, MacArthur, Leyte

**ENVIRONMENTAL MANAGEMENT BUREAU**  
**RELEASED BY:**   
**DATE:** 3/6/2022  
**TIME:** 8:30am

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

Sir:

This refers to your letter received by this Office on 22 February 2022 requesting the approval of the SET plan for your **two (2) units 1000 KW BAIFA Brand Diesel Engine Generator Set, one (1) unit 985 KW Cummins Brand Tailings Pump and one (1) 1500KW Chidong Brand Diesel Generator Set** to be tested by **Greenara Environmental Testing and Allied Services (GETS)**. 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 **March 21-24, 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



DEPARTMENT OF ENVIRONMENT and NATURAL RESOURCES  
ENVIRONMENTAL MANAGEMENT BUREAU REGION 8  
DENR Compound, Jones St., Brgy. 02, Tacloban City

**EVALUATION OF SOURCE SPECIFIC TEST PLAN**

Date Received: February 22, 2022

Date Evaluated: February 28, 2021

**I. FACILITY INFORMATION**

Name of Industry: **STRONG BUILT MINING DEVELOPMENT CORPORATION –SBMDC/  
MACARTHUR IRON PROJECTS CORPORATION- MIPC)**

Industry Category: **07100**

Plant Address: **Zone 5, Maya, MacArthur, Leyte**

Contact Person: **Ms. Arlyn Pique**

Position: **Pollution Control Officer**

Contact Number: **0908-3069256**

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

Permit to Operate Reference No: **PTO-OL-R08-2021-06585-R**

**PTO-OL-R08-2022-01530-TR**

Issued On: **23 August 2021**

Valid Until: **23 August 2026**

**25 February 2022**

**25 May 2022**

**II. PRODUCTION INFORMATION and REQUIREMENT**

- The two (2) units 1000 KW BAIFA Brand Diesel Engine Generator Set, one (1) unit 985 KW Cummins Brand Tailings Pump, and one (1) unit 1500 KW Chidong Brand Generator Set should operate at least 90% or at the normal operating capacity during the time of testing.

**III. AIR POLLUTION SOURCE INFORMATION**

1. **APSI: Two (2) unit BAIFA Brand Diesel Engine Generator Set, One (1) unit Cummins Brand Tailings Pump and one (1) unit Chidong Brand Generator Set**

Rated Capacity: **1000KW & 985KW & 1500KW**

Type of Fuel Used: **Diesel**

Fuel Consumption:

No. of Stack: **1 per facility**

Stack Diameter:

Stack Height:

Ave. Annual Operating Hours:

Year Installed:

**IV. TEST METHODOLOGY**

Particulars	Test Date	Parameter	Test Method	Test Duration	Notes
Two (2) unit 1000KW BAIFA Brand Diesel Engine Generator Set, one (1) unit 985KW Cummins Brand Tailings Pump and	March 21-24,2022	Volumetric Flow Rate	USEPA Method 1-4	Three (3) runs per exhaust	Performed concurrent with PM test
		Carbon Dioxide (CO2)	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar bag sample during Method 5 test
		Oxygen (O2)	USEPA Method 3 by Fyrite	Three (3) runs per exhaust	Integrated Tedlar bag sample during Method 5 test



one (1) unit 1500 KW Chidong Brand Generator Set	Particulate Matter (PM)	USEPA Method 5	Three (3) runs per exhaust	Isokinetic Sampling
	Sulfur Oxide (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 grab sample flasks collected per run
	Carbon Monoxide (CO)	USEPA Method 10	Three (3) runs per exhaust	Integrated Tedlar bag sample during Method 5 test

#### V. THIRD PARTY INFORMATION

Name of Accredited Third Party: **GREENARA ENVIRONMENTAL TESTING AND ALLIED SERVICES**

Address: **Room A, Sitio Cemento, Brgy. Pusok, Lapu-lapu City, Cebu City**

Name of QA/QC: **JOMAR Q. MARTEL**

Name of Team Leader: **WILMER B. GODINEZ**

SAT Accreditation No.: **2019-108**

Issued On: **05 August 2019**


Valid Until: **05 August 2022**

Name of Members:

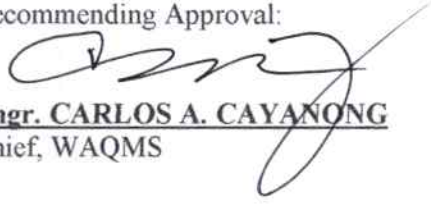
#### VI. REMARKS/RECOMMENDATIONS

1. Recommended for the approval of test plan with a condition of operating the two (2) units 1000 KW BAIFA Brand Diesel Engine Generator Set, one (1) unit 985 KW Cummins Brand Tailings Pump, and one (1) unit 1500 KW Chidong Brand Generator Set 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.

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