



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Regional Office No. VIII
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31 January 2022

SHIELLA MARIE SANTOS

Tenements Manager

TECHIRON RESOURCES, INC.

Cagusuan, Homonhon Island, Guiuan,
Eastern Samar

ENVIRONMENTAL MANAGEMENT BUREAU
RELEASED
DATE: 02/02/2022
TIME: 2:34pm

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

Dear Ma'am:

This refers to your letter received by this Office on 26 January 2022 requesting the approval of the SET plan for your **one (1) unit 354 KW Caterpillar Brand Diesel Engine Driving a 2140GPM Water Pump** to be tested by **SANDOVAL ENVIRONMENTAL ENGINEERING SERVICES (SEES)**. 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 **08-09 February 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: January 26, 2022

Date Evaluated: January 31, 2022

I. FACILITY INFORMATION

Name of Industry: **TECHIRON RESOURCES INC.**

Industry Category:

Plant Address: **Cagusuan, Guiuan, Eastern Samar**

Contact Person: **Ms. Alma A. Gonzales**

Position: **Pollution Control Officer**

Contact Number: **09076722834**

Email Address: info@techiron.ph

Permit to Operate Reference No: **POA-2020-B-0826-0049**

Issued On: **05 March 2020**

Valid Until: **18 March 2025**

II. PRODUCTION INFORMATION and REQUIREMENT

- The one (1) unit 354 KW Caterpillar Brand Diesel Engine Driving a 2140 GPM Water Pump should operate at 90% or greater of permitted capacity during the time of testing.

III. AIR POLLUTION SOURCE INFORMATION

1. **APSI: One (1) unit Caterpillar Brand Diesel Engine Driving a 2140GPM Water Pump**

2. **Rated Capacity: 354 KW**

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
One (1) unit 354 KW Caterpillar Brand Diesel Engine Driving a 2140GPM Water Pump	February 08-09, 2022	Carbon Dioxide (CO ₂)	USEPA Method 3 by Fyrite	Three (3)-one hour run per exhaust	Integrated Tedlar bag Sample during Method 5/8 test
		Oxygen (O ₂)	USEPA Method 3 by Fyrite	Three (3)-one hour run per exhaust	Integrated Tedlar bag Sample during Method 5/8 test
		Nitrogen Oxides (NO _x)	USEPA Method 7	Three (3) per one hour run per exhaust	Three grab sample flasks collected per run
		Carbon Monoxide (CO)	USEPA Method 10	Three (3)-one hour run per exhaust	Integrated Tedlar Bag Sample

V. THIRD PARTY INFORMATION

Name of Accredited Third Party: **SANDOVAL ENVIRONMENTAL ENGINEERING SERVICES (SEES)**

Address: **20 g De Jesus Street, Bagong Barrio, Caloocan City**

Name of QA/QC: **MARIANO R. CACCAM, JR.**

Name of Team Leader: **MARIANNE JOSY G. DENTE**

SAT Accreditation No.: **2021-123**

Issued On: **03 August 2021**


Valid Until: **03 August 2024**

Name of Members: **Kervin C. Astorga Elmer M. Samaupan
Antonio S. Luna III**

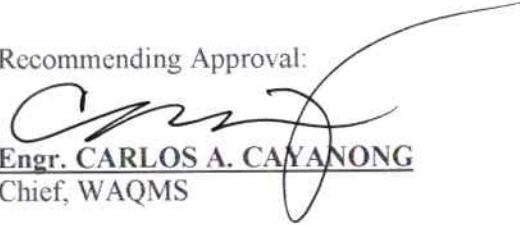
VI. REMARKS/RECOMMENDATIONS

1. Recommended for the approval of test plan with a condition of operating the one (1) unit 354 KW Caterpillar Brand Diesel Engine Driving a 2140 GPM Water Pump at 90% 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.

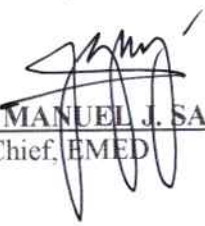
Submitted by:


JANET T. POLEA
Engr. IV

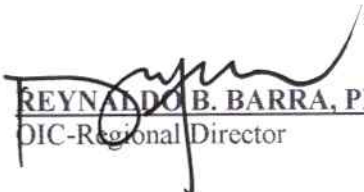
Recommending Approval:


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