



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Region VIII
DENR Compound, Jones Street, Barangay 2, Tacloban City
Tel No: (053) 832-10-88

Permit No: PTO-OL-R08-2021-04245-TR
Application Type: Renewal

Date Issued: 16 Jun 2021
Date Expiration: 16 Sep 2021

PERMIT TO OPERATE
Air Pollution Source and Control Installations

Pursuant to Part IV, Rule XIX of the Rules and Regulations of R.A. 8749, authority is hereby granted to:

Tongonan Geothermal Project (Rig 12) **, Tongonan, Ormoc City, Leyte**

subject to the following terms and conditions:

TERMS AND CONDITIONS

1. This Permit is issued for the permittee to operate **one (1) unit "CATERPILLAR" Mud Pump Engine**, rated at **1200 KW**, for the purpose of **Prime Mover** at the permittee's establishment identified on this Permit. *(Refer to attached Annex at page 3)*
2. Any application for renewal of this Permit shall be filed **not less than thirty (30) days** before the expiry date indicated on the previous page of the Permit.
3. This Permit shall be posted in a conspicuous location of the premises, and shall be adequately framed or otherwise protected against damage.
4. Without limiting the generality of the previous condition, the permittee shall ensure that the emissions from the permitted installations or processes comply with:
 - the National Emission Standards for Source Specific Air Pollutants as specified in Rule XXV of the IRRs of RA 8749;
 - the National Ambient Air Quality Standards for Source Specific Air Pollutants from Industrial Sources/Operations as specified in Rule XXVI of the IRRs of 8749; and
 - the emission limits specified in Permit condition No.9.
5. The permittee shall submit Self-Monitoring Reports to the Bureau in accordance with DENR Administrative Order No. 27 (Series of 2003) and any written instructions by the Bureau at three-monthly intervals, commencing with submission of the **first Report** on or before **July 15, 2021**. Online Submission at <https://client.emb.gov.ph/smr>
6. The permittee shall at all times have an appointed or designated Pollution Control Officer (PCO) pursuant to DAO 2014-02.
7. The permittee shall at all times allow authorized or accredited officers of the Department or the Bureau entry to the establishment and access to any part of the establishment to conduct inspections, gather information, test emissions or take samples.
8. The permittee shall not make or allow any alterations or modifications to operations, activities, installations, processes, plant or equipment at the establishment that might substantially change the nature or quantity of the associated emissions without obtaining the approval of the Bureau, including the obtaining of any necessary Permit to Operate.
9. The permittee shall ensure that the concentrations of the emissions from the stack/exhaust serving the **one (1) unit 1200 KW "CATERPILLAR" Mud Pump Engine** shall not exceed the following limits:
 - **Particulate Matter (PM): 150 milligrams per normal cubic meter;**
 - **Sulfur Dioxide (SO2): 700 milligrams per normal cubic meter;**
 - **Carbon Monoxide (CO): 500 milligrams per normal cubic meter;** and
 - **Nitrogen Oxide (NOx): 2000 milligrams per normal cubic meter.**
10. The permittee shall burn only Diesel in the **one (1) unit 1200 KW "CATERPILLAR" Mud Pump Engine**. The permittee shall ensure that the sulfur content of this fuel and the operating capacity during testing shall be the same or better for the whole duration of the permit validity.
11. The testing required by the previous condition shall be repeated and Emission Test Reports shall be submitted to the Bureau at **once per year intervals**. The results of this testing shall be reported in the Self-Monitoring Reports submitted in accordance with Permit Condition No.5.
12. The permittee shall sample and analyze emissions of **Particulate Matter (PM), Sulfur Dioxide (SOx) Carbon Monoxide (CO) and Nitrogen Oxide (NOx)** from the stack/s serving the **one (1) unit 1200 KW "CATERPILLAR" Mud Pump Engine** in accordance with the methods specified in the IRRs of RA 8749 and including the submission of the **proposed test plan** to the Bureau **at least two (2) weeks** prior to the date of conduct of the emission test and shall submit an Emission Test Report on the results of this emission testing to the Bureau after **thirty (30) days** after the conduct of emission test. During the sampling of the emissions, the generator set shall be operated at an output of **30% or greater than the permitted capacity**. The following data on operating conditions shall be collected during the sampling period, and included in the Emission Test Report: (a) **the actual output of the (Generator Set);** (b) **stack**

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Permit Fee	: Php 500.00	O.R. No. : 4736264/4736197/00003022021123418649	Date : May 25, 2021
PD1856	: Php 10.00	O.R. No. : 4736264/4736197/00003022021123418649	Date : May 25, 2021
Documentary Stamp Tax	: Php 30.00	O.R. No. : 4736264/4736197/00003022021123418649	Date : May 25, 2021

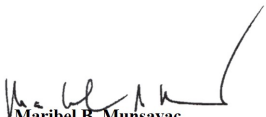


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or exhaust dimensions (height and inside diameter); (c) average annual operating hours; and (d) the rate of fuel consumption.

13. The permittee has paid the permit (500.00) via Landbank Link Biz Portal under confirmation no. 00003022021123418649 dated March 2, 2021.

Recommended by:


Maribel B. Munsayac
Chief, Clearance and Permitting Division

Approved by:


Letecia R. Maceda
Regional Director

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Annex

Fuel Burning					
ID	APSI	Capacity	Brand name	Type of Fuel	APCD
94479	Mud Pump	1200.0 KW	Caterpillar	Diesel	---

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