



## COMPLIANCE INSPECTION FOR AIR QUALITY MANAGEMENT



## ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number: \_\_\_\_\_

Date of Inspection: **18 January 2022**Mission Order No.: **Desk Monitoring (SMR Evaluation)****1. GENERAL INFORMATION**Name of Establishment: **Esperas Crushing Plant**

(Proponent: Christopher Randy Esperas)

Address: **Brgy. Basper Tacloban City**

Geo Coordinates:

**11.1458°N, 124.5734°E**Nature of Business: **Refueling Station**PSIC Code: **0810**Product: **Gravel aggregates**Year Established: **2019**Operating hours/day: **8 hours**Operating days/week: **6 days**

Operating days/year:

Product Lines	Production Rate as Declared in the ECC (unit/day)	Actual Production Rate (unit/day)
<b>Crushed stones</b>	<b>26 tons/hour</b>	<b>-</b>
Name of Managing Head:	<b>Christopher Randy Esperas</b>	
Name of PCO:	<b>Claro Francisco</b>	
PCO Accreditation No.:	<b>2019-RVIII-0163</b>	Date of Effectivity: <b>11/22/2019 – 11/22/2022</b>
Phone/Fax:	<b>0917 568 8200 / 0966 365 9945</b>	Email: <b>clarofrancisco40@gmail.com</b>

**2. PURPOSE OF INSPECTION**

- ☐ Verify accuracy of information submitted by the establishment pertaining to new permit applications, renewals, or modification

	New	Renewal
<input type="checkbox"/> New Renewal	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> PMPIN Application	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hazardous Waste ID Registration	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hazardous Waste Transporter Registration	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Hazardous waste TSD Registration	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Permit to Operate Air Pollution Control Installation	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Discharge Permit	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Others _____	<input type="checkbox"/>	<input type="checkbox"/>

- ☒ Determine compliance status with the environmental regulations, permit conditions, and other requirements

- ☐ Investigate community complaints

- ☐ Check status of voluntary commitment

☐ Industrial Ecowatch☐ Philippine Environmental Partnership Program (PEPP)☐ Pollution Adjudication Board (PAB)☐ Others \_\_\_\_\_

- ☐ Others \_\_\_\_\_

Name of Contact Person

-

Position / Designation

-



3. COMPLIANCE STATUS

3.1 DENR Permits/Licenses/Clearance

Environmental Law	Permits		Date of Issue	Expiry Date
PD 1586	ECC1	ECC-OL-R08-2019-0086	05/24/2019	N/A
	ECC2	-		
	ECC3	-		
RA 6969	DENR Registry ID	-		
	PCL Compliance Certificate	-		
	CCO Registry	-		
	Permit to Transport	-		
RA 8749	POA No.	PTO-OL-R08-2021-02578	04/29/2021	04/29/2026
RA 9003	ECC for Sanitary Landfill	-		
RA 9275	DP No.	DP-R08-20-06615	12/28/2020	12/28/2021

MODULE AQM01: PRE-INSPECTION INFORMATION SHEETFOR EMISSION SOURCES

Emission Source Data Information	
Emission Source No.	1
Type (Brand/Model)	Jaw Crusher
Rated Capacity	26 tons/hour
Fuel Type & Quantity	Electric-powered
Operating Capacity	
Control Facility	Water sprinkler
Notes:	

Emission Source Data Information	
Emission Source No.	2
Type (Brand/Model)	Powercity generator set
Rated Capacity	75 KVA
Fuel Type & Quantity	Diesel
Operating Capacity	
Control Facility	Muffler
Notes: Back-up power source	

Legal Provision	Regulatory Requirements	Compliant			Notes
		Y	N	N/A	
DAO 2004-26					
Rule 19 Section 1	All emission sources have a valid Permit to Operate	/			
Rule 19 Section 3	As built design of the installation conforms with submitted engineering plans and specifications	/			
	Declared control facilities are installed and operational	/			
	Installation is located as proposed in the vicinity map (plant and machinery layout)	/			
	Facility design capacity is within the capacity declared in the application for permit to operate	/			
Rule 19 Section 5	Temporary Permit is still valid			/	
Rule 19 Section 6	Application for renewal has been filed for expiring Permit to Operate 30 days before permit expiration date			/	
Rule 19 Section 9	Permit to Operate displayed conspicuously upon the installation or in an accessible / visible place near the installation	/			
	Conditions of the Permit to Operate are complied with	/			

Rule 19 Section 11	Plant operational problems notification submitted to EMB within 24 hours of occurrence			/	
Rule 19 Section 12	Quarterly submission of self-monitoring report	/			Q <sub>1</sub> 05/20/2021 Q <sub>2</sub> Q <sub>3</sub> Q <sub>4</sub>
<b>DAO 2000-81</b>					
Part 7 Rule 25 Section 5 a# 1	Person in charge of the plant / equipment has sufficient measure to ensure that no dark smoke is discharging from any stack in the establishment. E.g.: window view of stack, mirror to reflect top of stack, smoke density indicator, CCTV, etc.			/	
Part 7 Rule 25 Section 5 a# 2	All oil-burning equipment have heaters capable of heating oil to a temperature appropriate for the oil and burner			/	
Part 7 Rule 25 Section 5 a# 3	Establishment is fossil fuel-fired power plant over 10MW rating installed with CEMS for particulates, sulfur oxide, and NOx			/	
	Establishment is petroleum refinery / petrochemical industry installed with CEMS for particulates, sulfur oxide, and NOx			/	
	Establishment is primary copper smelter installed with CEMS for particulates, sulfur oxide, and NOx			/	
	Establishment is steel plant installed with CEMS for particulates and sulfur oxide			/	
	Establishment is ferro-alloy production facility installed with CEMS for particulates			/	
	Establishment is cement plant installed with CEMS for particulates			/	
Part 7 Rule 25 Section 5 b	Miscellaneous equipment like reheating furnace, smoke oven, bake oven, coffee heaters, varnish kettles, etc. are installed with pollution control facilities			/	
Part 7 Rule 25 Section 13 a	Establishment has precautionary controls for dusts generated during vehicular movement, transportation of materials, construction, etc. (List controls identified)			/	
Part 7 Rule 25 Section 13 b	Establishment has precautionary controls for volatile organic compounds or organic solvent emissions generated during storing, pumping, handling, processing, etc. (List controls identified)			/	
Part 7 Rule 25 Section 13 d	No open burning activity in the establishment	/			



MC 2009-04	Standby Gensets with capacity greater than or equal to 1,250 KW undergo annual emission testing (with 3 test runs). These gesets should not have the potential to emit more than 100tons/year of regulated pollutant.			/	
MC 2007-003 (2)	Boiler rated at greater than or equal to 251HP undergo bi-annual emission testing (with 3 test runs)			/	
	Other sources that have potential to emit equal to or greater than 100tons/year of regulated pollutant undergo bi-annual emission testing (with 3 test runs)			/	
	Boiler rated between 100 to 250 HP undergo annual emission testing (with 3 test runs)			/	
	Diesel generator rated at 600 to 1,249KW undergo annual testing (with 3 test runs)			/	
	Other sources that have potential to emit greater than 30 but less than 100tons/year of regulated pollutant undergo annual emission testing (with 3 test runs)			/	
	Sources of emissions of hazardous air pollutants included in PCL (DAO 1998 -58) undergo bi-annual emission testing (with 3 test runs)			/	
	Emission sources of petroleum refinery undergo bi-annual emission testing (with 3 test runs)			/	
	Emission sources of petrochemical works undergo bi-annual emission testing (with 3 test runs)			/	
	Emission sources of smelters undergo bi-annual emission testing (with 3 test runs)			/	
	Emission sources of cement kilns undergo bi-annual emission testing (with 3 test runs)			/	
	Emission sources of steel -making plants undergo bi-annual emission testing (with 3 test runs)			/	
	Emission sources of ferro-alloy-making plants undergo bi-annual emission testing (with 3 test runs)			/	

	Emission sources of glass-making plants undergo bi-annual emission testing (with 3 test runs)			/	
	Boiler rated at 99HP or less undergo biennial emission testing (with 3 test runs)			/	
	Diesel generator rated at 599KW or less undergo biennial emission testing (with 3 test runs)			/	
	Other sources that have potential to emit at least 10tons/year but less than 30tons/year of regulated pollutant undergo biennial emission testing (with 3 test runs)			/	
	Source using Bunker Fuel Oil, blended fuels involving Bunker Fuel Oil, or sulfur content of 1% or more undergo bi-annual emission testing			/	
<b>Appendix F (Quality Assurance Procedures)</b>					
Section 6 (8)	Notification has been sent to EMB for any changes made in the CEMS installation			/	
	Notification has been sent to EMB for any changes made in the CEMS quality assurance and quality control plan			/	
Section 6 (5)	Each CEMS is audited and conducted in accordance to CFR 40 part 60 Appendix F.			/	
Section 6 (6)	Relative Accuracy Test Audit (RATA) is performed annually by industries in the presence of EMB personnel.			/	
	Establishment has sent thirty (30) day notice to EMB prior to the RATA testing schedule			/	
Section 6 (7)	Calibration gases are subject to audit or relative accuracy audit test every quarter			/	
	Other alternative quarterly audits employed by the establishment are approved by EMB.			/	



Section 6 (9)	EMB Director and Regional Director have been notified of CEMS malfunction that lasted longer than seven (7) consecutive days.			/	
Section 7 (1)	Records of occurrence and duration of any start-up, shut-down or malfunction in the operation of any source or control facility is available in the establishment.			/	
Section 7 (2)	Records of audits, performance testing, evaluations, calibration checks, adjustments and maintenance of any continuous emission monitors that have been installed pursuant to Rule IX Section 5 of DAO 2000-81 are available in the establishment.			/	
Section 8 (1)	SMR includes data on the time intervals, date and magnitude of excess emissions, nature and cause of excess, corrective actions taken, and preventive measures adopted.			/	
Section 8 (2)	SMR includes information on the averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant/source category in question.			/	
Section 8 (3)	SMR includes information on time and date for each period during which the continuous monitoring system was inoperative and the nature of system repairs and adjustments made in the CEMS/COMS			/	
Section 8 (4)	SMR data measurements are within 75% data capture?			/	
<b>For Facilities Engaged with Consent Agreement</b>					
EMS established within 18 months upon entering Consent Agreement with EMB	EMS established within 18 months upon entering Consent Agreement with EMB			/	
DAO 2000-81 Part 7 Rule 25 Section 9b	Environmental Management Plan derived from EMS process submitted within 6 months after entering Consent Agreement with EMB			/	

**Other Observations:**

- Esperas Crushing Plant is operational.
- As per valid Permit to Operate (PTO), the Firm has a one (1) unit Jaw Crusher with a crushing capacity of 26 tons/ hour and a one (1) unit 75 KVA Powercity generator set as standby power source. The PTO is valid until April 29, 2026. As per SMR submitted, the Jaw Crusher has only produced 2,250 MT for a quarter, equating to an average of 10,000 MT produced crushed stones for 2021 which is within the required annual production capacity of 65,000 MT per valid PTO. Likewise, generator set had only been operated for an average of 2 hours for a quarter.
- Only one (1) SMR had been submitted online.
- PCO for the gas station is accredited until November 22, 2019.
- As per Records, Discharge Permit issued to the Firm had already expired.

- All Modules of the submitted SMR online has been properly supplied with the necessary data and information. Module 4 has been supplied with data as to operation and fuel consumption of the present air pollution source equipment. SMR was received as sufficient.

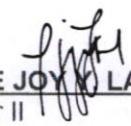
**Remarks and Recommendation:**

- The Permittee is to strictly comply with the frequency on the submission of the SMR including submission of the Compliance Monitoring Report online.
- The Permittee is to renew its Discharge Permit online.
- For issuance of Notice/Letter to comply with the abovementioned recommendations.

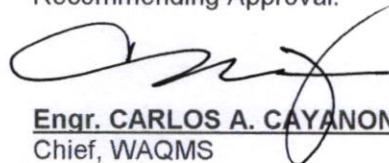
**List of Documents Reviewed:**

Copy of ECC, SMR online, PTO, DP,

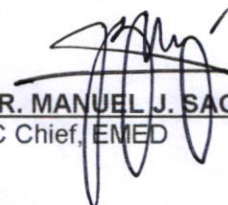
Submitted by:

  
LEDANE JOY V. LAURENTE  
Engineer II

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



