



## COMPLIANCE INSPECTION FOR AIR QUALITY MANAGEMENT



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

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

Date of Inspection: **March 16, 2022**Mission Order No.: **Desk Monitoring****1. GENERAL INFORMATION**Name of Establishment: **MAC BUILDERS' AGGREGATES BATCHING PLANT**Address: **Brgy. Arado, Palo, Leyte**

Geo Coordinates:

**11.16668, 124.97514**Nature of Business: **Aggregate Processing**

PSIC Code:

Product:

Year Established:

Operating hours/day:

Operating days/week:

Operating days/year:

Product Lines	Production Rate as Declared in the ECC (unit/day)	Actual Production Rate (unit/day)
Name of Managing Head:	<b>ENGR. CANCIO BALAGUIS</b>	
Name of PCO:	<b>ESTAN PHILIPP Q. AMBOY</b>	
PCO Accreditation No.:	<b>2019-RVIII-0034</b>	Date of Effectivity: <b>March 4, 2019</b>
Phone/Fax:	<b>09452178485</b>	Email:

**2. PURPOSE OF INSPECTION**

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

☐ New Renewal

New

Renewal

☐ PMPIN Application☐☐☐ Hazardous Waste ID Registration☐☐☐ Hazardous Waste Transporter Registration☐☐☐ Hazardous waste TSD Registration☐☐☐ Permit to Operate Air Pollution Control Installation☐☐☐ Discharge Permit☐☐☐ Others \_\_\_\_\_☐☐☐☐

- ☒ 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

**ESTAN PHILIPP Q. AMBOY**

Position / Designation

**PCO**



3. COMPLIANCE STATUS

3.1 DENR Permits/Licenses/Clearance

Environmental Law	Permits		Date of Issue	Expiry Date
PD 1586	ECC1	ECC-R08-0908-0002	Sep. 1, 2009	
	ECC2			
	ECC3			
RA 6969	DENR Registry ID	GR-R8-37-00343	Jul. 10, 2018	
	PCL Compliance Certificate			
	CCO Registry			
	Permit to Transport			
RA 8749	POA No.	14-POA-C-0837-0160	Mar. 13, 2014	Mar. 10, 2019
RA 9003	ECC for Sanitary Landfill			
RA 9275	DP No.	DP-R08-20-00118	Jan. 10, 2020	Jan. 10, 2021

MODULE AQM01: PRE-INSPECTION INFORMATION SHEETFOR EMISSION SOURCES

Emission Source Data Information		Emission Source Data Information	
Emission Source No.		Emission Source No.	
Type (Brand/Model)	Two (2) units Concrete Batching Plant	Type (Brand/Model)	One (1) unit Asphalt batching plant
Rated Capacity	60 cu. m./hr	Rated Capacity	
Fuel Type & Quantity	Electrically driven	Fuel Type & Quantity	Diesel
Operating Capacity		Operating Capacity	
Control Facility	Water sprinkler	Control Facility	
Notes:		Notes: For decommissioning	

Emission Source Data Information		Emission Source Data Information	
Emission Source No.		Emission Source No.	
Type (Brand/Model)	One (1) unit Cummins Generator Set	Type (Brand/Model)	One (1) unit Asphalt batching plant
Rated Capacity	500 KVA (400 KW)	Rated Capacity	120 tons/hr
Fuel Type & Quantity	Diesel	Fuel Type & Quantity	Diesel
Operating Capacity		Operating Capacity	
Control Facility		Control Facility	Water suction blower and settling pond
Notes: Standby generator set		Notes:	

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		/		Issued permits have already expired.
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		/		No application received via OPMS
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		/		Last SMR submission online is for the 4 <sup>th</sup> Quarter 2020
<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			/	State equipment then control facility/ies.
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)			/	Example: It has tire bath Automated water sprinklers
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			/	
<b>EMB Memorandum Circulars</b>					
MC 2009-04	Standby Gensets with capacity greater than or equal to 1,250 KW undergo annual emission testing (with 3 test runs). These gensets 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:

1. The project is issued with an Environmental Compliance Certificate with reference number: ECC-R08-0908-0002 issued on Sep. 1, 2009, for operation of aggregates Batching Plant with production capacity of 50 MT per day.
2. As per previous monitoring (2020), the plant is not operational. Facilities are also for decommissioning.
3. Issued permit to operate air pollution source installation has expired on March 10, 2019 and issued discharge permit has expired on January 10, 2021. No application for renewal of the said permits was received online via OPMS.
4. Latest submission of SMR is for the 4<sup>th</sup> Quarter 2020.

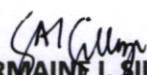
#### Remarks and Recommendation:

1. For issuance of Notice to Comply with the following recommendations:
  - To submit updates regarding plant status of operation including the updated list of the operational and not operational equipment or facilities especially those that are included in the permit.
  - To provide status on the conduct of 3<sup>rd</sup> party source emission test for the 500 KVA (400 KW) Cummins Standby Generator Set.
  - To apply for renewal of PTO and DP (if applicable, based on status of operation)
2. For conduct of on-site inspection to validate status of operation.

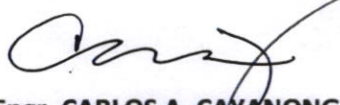
#### List of Documents Reviewed:

Online SMR, ECC, PTO and DP copy.

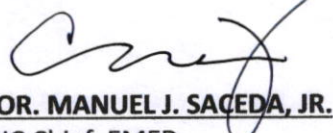
Submitted by:

  
**SHARMAINE I. SILLEZA**  
 EMS I

Recommending Approval:

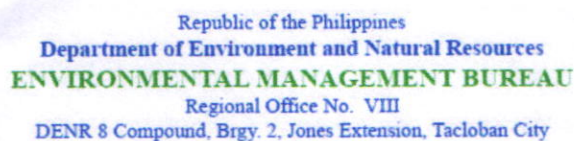
  
**Engr. CARLOS A. CAYANONG**  
 Engineer IV/Chief, WAQMS

Approval:

  
**FOR. MANUEL J. SACEDA, JR.**  
 OIC Chief, EMED

Noted:

  
**REYNALDO B. BARRA, PME**  
 OIC, Regional Director



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