



SURVEY/INSPECTION FOR WATER QUALITY MANAGEMENT



ENVIRONMENTAL MONITORING AND ENFORCEMENT DIVISION-WATER AIR QUALITY MONITORING SECTION

Report Control Number: _____
Date of Inspection: February 15, 2022
Mission Order No.: EMBR8-2022-006109

| | | |
|---|--|--|
| 1. GENERAL INFORMATION | | |
| Name of Establishment: SUHI WATER SUPPLY (Mactan Rocks Industries, Inc.) | | |
| Address: BRGY. STO. NINO, TACLOBAN CITY | | Geo Coordinates: 11.321423 N, 124.952150 E |
| Nature of Business: WATER SUPPLY PROJECT | | |
| PSIC Code: 36000 | Product: POTABLE WATER | Year Established: - |
| Operating hours/day: 24 | Operating days/week: 7 | Operating days/year: |
| Product Lines | Production Rate as Declared in the ECC (unit/day) | Actual Production Rate (unit/day) |
| POTABLE WATER | 1200 m3/day | |
| | | |
| Name of Managing Head: NELSON ACUIN | | |
| Name of PCO: NONE | | |
| PCO Accreditation No.: | - | Date of Effectivity: - |
| Phone/Fax: | 0998-841-1798 | Email: - |
| 2. PURPOSE OF INSPECTION | | |
| <input type="checkbox"/> Verify accuracy of information submitted by the establishment pertaining to new permit applications, renewals, or modification | | |
| <input type="checkbox"/> New Renewal | New | Renewal |
| <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"/> |
| <input type="checkbox"/> Determine compliance status with the environmental regulations, permit conditions, and other requirements | | |
| <input type="checkbox"/> Investigate community complaints | | |
| <input type="checkbox"/> Check status of voluntary commitment | | |
| <input type="checkbox"/> Industrial Ecowatch | | |
| <input type="checkbox"/> Philippine Environmental Partnership Program (PEPP) | | |
| <input type="checkbox"/> Pollution Adjudication Board (PAB) | | |
| <input type="checkbox"/> Others _____ | | |
| <input checked="" type="checkbox"/> Others WATER QUALITY SURVEY | | |
| Name of Contact Person: | NELSON ACUIN | |
| Position / Designation: | MANAGING HEAD | |

3. COMPLIANCE STATUS

3.1 DENR Permits/Licenses/Clearance

| Environmental Law | Permits | | Date of Issue | Expiry Date |
|-------------------|----------------------------|----------------------|---------------|-------------|
| PD 1586 | ECC1 | ECC-OL-R08-2016-0138 | 12/05/2016 | |
| | ECC2 | | | |
| | ECC3 | | | |
| RA 6969 | DENR Registry ID | | | |
| | PCL Compliance Certificate | | | |
| | CCO Registry | | | |
| | Permit to Transport | | | |
| RA 8749 | POA No. | | | |
| RA 9003 | ECC for Sanitary Landfill | | | |
| RA 9275 | DP No. | | | |

4. Water Supply and Wastewater Generation

A. Water Sources

| Sources of Water Supply | Daily (m³/day) | Annual (m³/day) | Specify if Others |
|------------------------------------|----------------|-----------------|-------------------|
| Surface water (river, lakes, etc.) | 1200 | | |
| Groundwater | | | |
| Water utilities | | | |
| Others (specify) | | | |

B. Wastewater Sources

| Water Use / Sources of Wastewater | Consumed (m³/day) | Generated (m³/day) | Specify if Others |
|-----------------------------------|-------------------|--------------------|-------------------|
| Process Water | | | |
| Domestic Water | | | |
| Cooling Water | | | |
| Maintenance | | | |
| Storm drain | | | |
| Others (specify) | | | |

C. Quality of Abstracted Water

| Sources of Water Supply | BOD/ COD | TSS | AVFP | Heavy Metals | Specify if Others |
|-------------------------|-------------|-----|------|--------------|-------------------|
| | | | | | |
| | | | | | |

5. Information on Wastewater Pollution

A. Does the Establishment have a Wastewater Treatment Plant?

☐ Yes
☒ No

B. What type of WWTP?

☐ Physical
☐ Biological
☐ Chemical
☐ Others

C. WWTP Detail

| | | |
|---------------------------------------|----------------------|------------------------------|
| 1. Date Installed | N/A | |
| 2. Design Capacity | | |
| 3. Cost of WWTP | | |
| 4. Annual Maintenance Cost (Php/year) | | |
| 5. Location of Discharge Point(s) | Receiving Water Body | Classification of Water Body |
| Left side of the Project | Creek | Not Classified |

| | | | |
|--|---|--|------------------------|
| | <input type="checkbox"/> V-weir | Other (specify) _____ | |
| 6. Flow Metering Device Use | <input type="checkbox"/> Flow Meter | | |
| 7. Flow Rate | Influent | Effluent | Others (specify) _____ |
| | | | |
| A. Components of WWTP | | | |
| Primary | Biological | Chemical | Others |
| <input type="checkbox"/> Screening <input type="checkbox"/> Primary Treatment <input type="checkbox"/> Grit Removal <input type="checkbox"/> Oil/Water Separator <input type="checkbox"/> Equalization Tank <input type="checkbox"/> Others (specify) _____ | <input type="checkbox"/> Activated Sludge <input type="checkbox"/> Anaerobic Digestion <input type="checkbox"/> Trickling Filter <input type="checkbox"/> Oxidation/Stabilization Pond <input type="checkbox"/> Sequencing Batch Reactor <input type="checkbox"/> Others (specify) _____ | <input type="checkbox"/> pH Adjustment <input type="checkbox"/> Disinfection <input type="checkbox"/> Oxidation/Reduction <input type="checkbox"/> Flocculation/ Coagulation <input type="checkbox"/> Others (specify) _____ | |
| B. Condition of the WWTP | | | |
| 1. What is the general condition of the WWTP during sampling? N/A | <input type="checkbox"/> Properly maintained <input type="checkbox"/> Inadequately maintained <input type="checkbox"/> Poor maintenance <input type="checkbox"/> Others | | |
| 2. Is the WWTP under construction or undergoing rehabilitation? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| 3. If the answer is No. 2 is YES, has this been reported to EMB/LLDA? | | | |
| 4. Which System or units are under construction or being modified? | | | |
| 5. Estimated date of completion | | | |
| 6. Treatment units utilized to treat wastewater | | | |

| Water Quality Field Date N/A | | | | | | |
|-------------------------------------|-------|------|-------------------------|-----------|----|---------|
| Sampling Point No. 1 | | | | | | |
| Sampling Station | | | Sampling Time: | | | |
| Type of Sample | | | | | | |
| Result Analysis | | | | | | |
| Parameter | Value | Unit | DENR Effluent Standards | Compliant | | Remarks |
| | | | | Yes | No | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

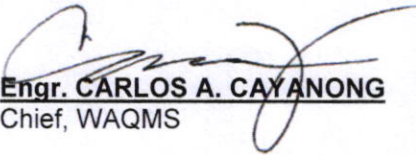
| III. SUMMARY OF FINDINGS | | | | | |
|--------------------------|---|-----------|---|-----|---------|
| Legal Reference | Compliance Requirements | Compliant | | | Remarks |
| | | Y | N | N/A | |
| DAO 2005-10 Rule 14.1 | 1. Has the establishment submitted two notarized copies of accomplished application form? | | ✓ | | |
| DAO 2005-10 Rule 14.2 | 2. Has the establishment submitted Sewer and Drainage Plan Drawing of appropriate scale in as standard size sheet and in accordance with good engineering practice? | | | ✓ | |
| | 3. Has the establishment submitted water quality analysis of abstracted water and | | | ✓ | |

| | | | | | |
|--------------------------|---|--|---|---|--|
| | the appropriate bills? | | | | |
| | 4. Has the establishment submitted Pollution Prevention/Environmental Management System Plan or Program? | | | ✓ | |
| | 5. Has the establishment submitted copy of the Environmental Compliance Certificate or Certificate of Non-Coverage? | | | ✓ | |
| | 6. Does the establishment have a DENR ID Number as hazardous waste generator, as applicable? | | | ✓ | |
| | 7. Has the establishment designated or appointed a PCO? | | | ✓ | |
| DAO 2005-10 Rule 14.6 | 8. Does the establishment use its effluent for Agricultural Purposes? | | ✓ | | If yes, proceed to succeeding items |
| | a. Has the establishment submitted certified true copy of land ownership or notarized copy of agreement between the owner of the land where the effluent is to be applied and the discharger/permittee? | | | ✓ | |
| | b. Has the establishment submitted proof that wastewater to be used for land application does not contain toxic or substances (as defined in RA 6969)? | | | ✓ | |
| | c. Does the establishment's wastewater applied for agricultural purposes directly or indirectly seep or drain into groundwater or nearby surface waters which will affect the quality of such ground and/or surface water? | | | ✓ | |
| | d. Has the establishment submitted a Certification from the Department of Agriculture (DA) stating that the quantity, quality and distribution methodology of application are suited for agricultural purposes? | | | ✓ | |
| | e. Does the establishment use land application only during periods of low surface water flow to enhance loading limits compliance? | | | ✓ | |
| | f. Has the establishment submitted baseline groundwater quality data and self-monitoring report within the discharge areas, and installed at least one groundwater monitoring well which shall be drilled in each dominant direction of groundwater movement? | | | ✓ | |
| | g. Has the establishment submitted an emergency plan – which shall respond to emergencies that can prevent or minimize damage to equipment, land, groundwater, etc., and/or public health? | | | ✓ | |

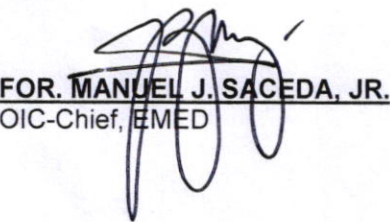
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|--|---|--|--|---|--|
| | h. Does the plan highlight the design considerations, systems operation, treatment/monitoring of soil, crops, effluent and groundwater before/after irrigation? Such requirements shall be in addition to Section 14.2. | | | ✓ | |
|--|---|--|--|---|--|

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|--|
| Other Observations: <ul style="list-style-type: none"> • This Office has issued Environmental Compliance Certificate (ECC) with reference number: OL-R08-2016-0138 was issued on December 5, 2016 with a production capacity of 1,200 cubic meters per day to Tacloban City. • Project operates production capacity of 300 cubic meters to be supplied to GMA Kapuso Foundation Habitat. • The main water source from "Suhi River" undergoes treatment through Flocculation, clarifier system, filtration, and chlorination. • Wastewater discharge is generated only during backwashing. |
| Remarks and Recommendation: <ul style="list-style-type: none"> ✓ Provide wastewater treatment facility for generated wastewater. Secure Discharge Permit through online system. ✓ Submit Compliance Monitoring Report (CMR) semi-annually through online system. |
| List of Documents Reviewed: |

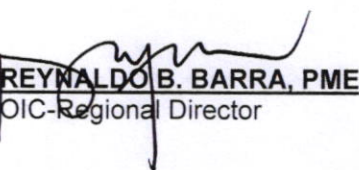
Prepared by:


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OIC-Chief, EMED

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REYNALDO B. BARRA, PME
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