

# ENVIRONMENTAL PROTECTION INFORMATION ON BIEN HOA 1 INDUSTRIAL ZONE IN 2019

## I. Information:

Industrial zone: Bien Hoa 1 Industrial Zone.

Investor: Sonadezi Corporation

Address: No. 1, Road 1, Bien Hoa 1 Industrial Zone, An Binh Ward, Bien Hoa City, Dong Nai Province.

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Representative: Mr. Phan Dinh Tham

Position: General Director

Environment officer: Mr. Pham Ky Minh

## II. Legal documents:

Decision No.989/QĐ-MTg dated July 31, 1997 by Ministry of Science and Environment on approving the environmental impact assessment report of Bien Hoa 1 Industrial Zone located in Dong Nai.

Document 295/TCMT-TĐ dated March 08, 2011 by Vietnam Environment Administration on adjusting the frequency of environmental monitoring in Bien Hoa 1 Industrial Zone, Dong Nai Province

Permit for discharging wastewater into water sources No.717/GP-BTNMT dated April 23, 2014 by Ministry of Natural Resources and Environment with a discharge volume of 8,000m<sup>3</sup>/day at the wastewater treatment plant (WWTP) of Bien Hoa 2 Industrial Zone

Confirmation of completion of environmental protection works during operation of Bien Hoa Industrial Zone 1 Project No.38/GXN-TCMT dated September 6, 2013 by Vietnam Environment Administration.

## III. Current status of infrastructure:

Power supply: National grid powers the entire Bien Hoa 1 Industrial Zone through a 40MVA transformer station and 15 – 22KV transmission system.

Water supply:

+ Tap water: Dong Nai Water Supply JSC provides potable water to all enterprises in Bien Hoa 1 Industrial Zone. Currently 100% of enterprises in the Industrial Zone use potable water from Dong Nai Water Supply JSC.

+ Surface water: Currently there are 3 enterprises in Bien Hoa 1 Industrial Zone that utilize surface water from Dong Nai river, and all 3 enterprises are granted the permits for surface water usage.

Environmental protection works:

+ Industrial Zone's rainwater collection system: collects rainwater from factories and rainwater overflow on internal roads of the Industrial Zone; and then transports rainwater into a system with downward slopes to various discharge points into Dong Nai river. Industrial Zone's rainwater collection system comprises PVC and reinforced concreted pipes of 19.878m in length, the diameter of which ranges from D150 – D1.500.

+ Industrial Zone's wastewater collection system: This is placed along the internal roads at a slope to allow wastewater to flow downwards to wastewater pumping station at Road 5, Bien Hoa 1 Industrial Zone. Wastewater is then pumped to WWTP of Bien Hoa 2 Industrial Zone. Industrial Zone's wastewater collection system comprises PVC and reinforced concrete pipes of 12,368m, the diameter of which ranges from D90 - D600.

+ Centralized wastewater treatment plant: According to the wastewater treatment contract between Bien Hoa 1 Industrial Zone and Bien Hoa 2 Industrial Zone, wastewater collected in Bien Hoa 1 Industrial Zone is transported to WWTP of Bien Hoa 2 Industrial Zone, which is capable of treating 8,000 m<sup>3</sup>/day. Sonadezi Corporation constructed the pumping station and pipeline to transport wastewater from Bien Hoa 1 Industrial Zone to WWTP of Bien Hoa 2 Industrial Zone.

+ WWTP of Bien Hoa 2 IZ installs an automatic wastewater monitoring station for measurement of typical environmental parameters (for example, pH, TSS, DO, COD, Ammonium, NO<sub>3</sub><sup>-</sup>).

+ Greenery: All internal roads in Bien Hoa 1 Industrial Zone are lined with green trees.

#### **IV. Current status of environmental protection implementation:**

- Program that aims to monitor Bien Hoa 1 Industrial Zone's environment is implemented twice a year according to regulations.

- WWTP of Bien Hoa 2 Industrial Zone is operated stably to ensure that the treated wastewater meets the standards (QCVN 40:2011, column A,  $K_q = 1.2$ ;  $K_f = 0.9$ ) before being discharged into Ba Lua Stream - Dong Nai River.

- Waste is collected, classified and stored before transported to appropriate authority who are contracted to treat waste in compliance with waste management regulations.

- Additionally, Sonadezi Corporation also complies with building fire safety standards, and prepares to deal with possible incidents.