ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14, D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari street, Kasturibalpet, Vijayawada – 520 010

Regd. Post with Ack Due

Order No. 338/APPCB/UH-II/TF/VSP/2018-

Date: 22.01.2018

DIRECTIONS


Ref: 1. Consent Order No.APCPB/VSP/VSP/19992/CFO/HQ/2017- , dt.06.05.2017,
2. The officials of ZO, Visakhapatnam inspected the industry on 23.06.2017.

WHEREAS you are operating industry in the name & style of M/s.Brandix India Apparel City Pvt. Ltd. (CETP & Incinerator),APSEZ, Achutapuram Mandal, Visakhapatnam is operating a Common Effluent Treatment Plant (CETP) and Incinerator facility.

WHEREAS the Board vide reference 1st cited, issued Consent for operation and Hazardous Waste Authorization to the facility on 06.05.2017, which is valid upto 30.04.2022 subject to the compliance of standards and conditions stipulated.

WHEREAS the consent order is valid for SEZ facilities like the basic infrastructure, environmental infrastructure, common infrastructure like roads, power supply, water treatment and supply, waste water collection, transfer sections / temporary storage facility for hazardous waste, solid waste/collection / storage facilities, marine outfall etc., and for Common Effluent Treatment Plant of capacity 20 MLD and for operation of incinerator of capacity of 0.3 TPH (4.2 TPD based on 16 hours operation).

WHEREAS the Zonal Office, Visakhapatnam inspected the CETP of M/s.Brandix India Apparel City Pvt. Ltd., on 23.06.2017 vide reference 2nd cited. During the inspection the following observations were recorded:

1) As per the records, the effluent received at CETP is about 3 MLD as against the consented capacity of 20 MLD.
2) The CETP is designed for a parallel set of 10 MLD each. The facility is at present operating only one set i.e., 10 MLD. However, only one equalization tank of 9.31 MLD is provided.
3) Due to reduced inflow of around 3 MLD, the total retention time in equalization tank is 3 days. Similarly, the oxidation ditch is of 9 MLD capacity with another 3 days retention time. The total 6 day retention is bringing the effluents into septic condition due to the anaerobic conditions. Severe odour was observed to be emanating from the equalization and oxidation ditches clearly indicating the anaerobic state of the effluent.
4) It was also informed by the representative of the industry that the aeration dispersers are operated only 6 hours a day further aggravating the septic conditions. It is clearly visible from the condition of the effluent at the outlet of oxidation ditch that the required treatment is not being done.
5) The effluent in the oxidation ditch is stale with very low MLSS. The slide of the MLSS was observed in the microscope in the laboratory of the facility in presence of the representative of the facility and it was noted that there is not even a single colony of live bacteria.
6) However due to reduced hydraulic load and the prevailing anaerobic condition the biological treatment is not taking place.
7) The stored effluent in the guard ponds before marine discharge is observed to be having more color than the DAF outlet. This may be due to inadequate retention time in the DAF which is not allowing the complete formation and removal of floc formed by the de-coloring agents and PAC in the DAF.
8) The Recirculation of sludge from the sedimentation tank to oxidation ditch is being done in totally un-scientific manner (the circulated sludge is in stale and septic condition). Also the removal of sludge from sedimentation tank without operating sludge conditioning facilities and sludge digester is compounding the smell nuisance prevailing due to anaerobic state of the effluents during treatment process.

9) The facility is not operating the sludge thickener and sending the solid waste generated from DAF along with ETP sludge to TSDP, Parawada. 

10) During the inspection, the color of the treated effluent in the guard ponds was observed to be similar to color of the untreated effluents even after Dissolved Air Flotation treatment given to the effluents. 

11) Foul smell was emitting from the effluents coming out from the DAF.

WEREAS a notice was issued by ZO, Visakhapatnam to the CETP M/s.Brandix India Apparel City Pvt. Ltd., and advised the facility to look into the following measures and directed to furnish action taken report along with condition wise compliance status of the CFO conditions stipulated in CFO order:

a. Reorient the biological treatment system by making adjustments in capacities/sizes of various unit operations viz., equalization tank, oxidation ditch and the sedimentation tank.

b. The facility is required to carry out performance evaluation of the existing units of CETP through an independent expert agency for making the required modifications.

WHEREAS legal hearing was conducted before the External Advisory Committee (Task Force) Meeting of A.P. Pollution Control Board on 28.12.2017 vide reference 3rd cited. The representatives of the industry attended the legal hearing. The Committee noted that the non-compliance of consent conditions. The representative of the industry informed that presently in the park occupied and operating industries are generate average 3 MLD the same amount of quantity they are receiving for further treatment. They are operating one set of 10 MLD this is due to effluent generation in the park industries average 3 MLD only that's the reason they are operating one module with equalization tank. They also informed that in equalization tank they are maintaining the level 6 MLD with 2 days retention and they are giving air mixing with frequent intervals for proper mixing and to avoid the septic conditions in equalization tank, it was further informed that they are adding the Aerobic Microbial Culture in the oxidation ditch to improve the MLSS.

The after detailed review the committee recommended to issue the directions. The Board is hereby issue the following directions under Sec.33 (A) of Water (Prevention and Control of Pollution) Amendment Act, 1988 and under Sec.31 (A) of Air (Prevention & Control of Pollution) Amendment Act, 1987:

1) The facility shall immediately take up the study for reorientation of biological treatment system to cater the minimum effluent loads and shall maintain sufficient retention time for the effluents treating in the CETP.

2) The facility shall implement adequate measures for control of smell nuisance from operation of CETP

3) The facility shall submit plan of action within 15 days for realignment of the guard ponds prior to marine disposal.

4) The treated effluents discharge line shall be kept under lock and key and shall discharge the treated effluents subject to strict compliance of the prescribed discharge standards.

5) The marine outfall pipeline shall be monitored to prevent any leakages during transportation of waste water with periodical hydraulic checks and by installing online pressure indicators at both ends of the pipeline in consultation with RO, Visakhapatnam.

6) The industry shall ensure continuous compliance of the conditions issued in the CFO & HWA order dt.05.11.2016.

7) The facility shall undertake performance evaluation of CETP by an expert agency and shall furnish to the Board within 3 months along with specific recommendations to improve the performance of the CETP and plan of action of the facility to implement such recommendations in time bound manner.

8) The implementation progress of the above directions shall be reported to RO, Visakhapatnam and ZO, Visakhapatnam for every fortnight.

You are hereby directed to note that, should you violate any one of the directions mentioned above, action will be initiated under Sec.33 (A) of Water (Prevention & Control of Pollution)
Amendment Act, 1988 and Sec.31(A) of Air (Prevention & Control of Pollution) Amendment Act, 1987 without any further notice, in the interest of Public Health and Environment.

*This Order comes into effect from today i.e., 22.01.2018.*

To

*Mrs. Brandix India Apparel City Pvt. Ltd., (CETP & Incinerator), APSEZ, Atchutapuram Mandal, Visakhapatnam.*

Copy to:

1. The Joint Chief Environmental Engineer, Zonal Office, Visakhapatnam for information and necessary action.
2. The Environmental Engineer, Regional Office, Visakhapatnam direct to permit to change frequency of discharge of treated effluents to Sea.

// T.C.F.B.O //

JOINT CHIEF ENVIRONMENTAL ENGINEER

UH-II

Sd/-
MEMBER SECRETARY