ANDHRA PRADESH POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A-3, INDUSTRIAL ESTATE, SANATHNAGAR, HYDERABAD - 500 018.

Regd. Post With Ack Due

Order No. 503/APPCB/UH-II/TF/ELR/2017-

DIRECTIONS


2. Representation filed by Sri M.A. Ansari, Bheemavaram, West Godavari District on Water pollution being caused to the Yenamaduru Drain received through email on 31.01.2016.
4. External Advisory Committee (Task Force) Meeting held on 27.08.2016.
8. Committee inspected the industry on 05.05.2017.

WHEREAS you are operating the industry in the name & style of M/s. Delta Papers Ltd, Vendra (V), Palakoderu (M), West Godavari District for manufacturing of writing and printing paper – 140 TPD.

WHEREAS vide reference 1st cited, the Board issued Consent for operation and Hazardous Waste Authorisation to the industry on 04.12.2014 which is valid upto 31.10.2018.

WHEREAS vide reference 2nd cited, the Board received complaint from Sri M.A. Ansari, Bheemavaram, West Godavari District regarding water pollution of Yenamaduru drain via Gosthani drain due to discharge of waste water from nearby industries.

WHEREAS vide reference 3rd cited, the Board officials conducted a detailed survey during 12th – 13th March, 2016 along Yenamaduru and Gosthani drains and observed that Bheemavaram Municipality is discharging untreated sewage and dumping of solid waste into the Yenamaduru and Gosthanni drains at various points and thereby causing surface and ground water pollution. Industries locates along the two drains are also discharging treated/un-treated effluents into the drains.

WHEREAS vide reference 4th cited, the Board office conducted Legal Hearing for the industries and Bheemavaram Municipality on 27.08.2016. The representatives of the industries and Commissioner, Bheemavaram Municipality have attended the legal hearing. The Committee recommended to direct EE, RO, Eluru to consolidate the action plans furnished by the industries and moniter all the industries and Municipality and submit industry wise detailed report for next legal hearing and also directed the EE, RO, Eluru in coordination with ZO, Visakhapatnam shall carry out intensive monitoring of Yenamaduru drain in particular after the rainy season while the water flow in Yenamaduru drain is minimum.

Dt.04.08.2017
WHEREAS vide reference 5th cited, the Board has reviewed the status of pollution control measures taken by the industry before the External Advisory Committee (Task Force) in its meeting held on 30.08.2016 and issued certain directions to the industry on 10.10.2016 for non-compliance of Board directions.

WHEREAS vide reference 6th cited, the Board has reviewed the industry once again before the External Advisory Committee (Task Force) in its meeting held on 09.12.2016 and issued certain directions to the industry on 12.01.2017 for non-compliance of Board directions.

WHEREAS vide reference 7th cited, the Board has reviewed the status of pollution control measures taken by the industry before External Advisory committee (Task Force) meeting held on 20.01.2017 and committee recommended to issue certain directions. Accordingly, the Board has issued following directions to the industry on 01.03.2017:

1. The industry shall upgrade the effluent treatment plant so as to meet the Board’s standards within 3 months.
2. The industry shall operate sewage treatment plant for the treatment of domestic effluents.
3. The industry shall have atleast two days storage capacity of treated effluents to facilitate the board to check the treated effluents within one month.
4. The industry shall prepare plan of activities such as technological and process improvements, water conservation, water recycling, up-gradation of ETP, monitoring and surveillance and report the compliance within one month.
5. The industry shall carryout 3rd party evaluation of ETP and environmental management systems with the institutes such as CPPRI / IIT / NEERI / EPTRI which have very high standing within two months.
6. The industry shall provide digital flow meters and energy meters for accounting of effluent treatment within one month and maintain log book records and monthly records submitted to Regional Office, Eluru.
7. The industry shall connect the CC Cameras to APPCB and CPCB website within one month.
8. The industry shall ensure continuous compliance of the conditions issued in the CFO & HWA order.

WHEREAS vide reference 8th cited, a committee constituted by Zonal Office, Visakhapatnam with the SEE, O/o. CEE, Visakhapatnam, the EE, RO, Eluru and the JSO, O/o. The CEE, Visakhapatnam inspected the industry on 05.05.2017 and observed the followings:

1. The industry is operating ETP but required MLSS is not existing in aeration tank. It is observed that most of the pollution load from the effluents is removed by clarifier i.e. by removing the suspended solids and the bottom sludge is taken to sludge press where the solids are removed.
2. The aeration tank is around 5,200 m³ which accounts to 7 to 8 hours retention time. The aeration tank is very poorly designed and has a depth of more than 5 mts and which surface aeration the oxygen transfer rate would be limited to half a mtr from surface thereby further reducing the retention time. Also the inlet of aeration tank is directly put at a point which close to the outlet of the aeration tank thereby most of the effluent coming into the tank is finding way into outlet due to short circuiting without any treatment. The industry has to totally redesign the aeration tank.
3. It was suspected that the lack of growth of MLSS in the aeration tank was due to higher depth of the aeration tank, insufficient oxidation and conversion of chloride compounds to AOX which is pathogenic to bacterial growth coupled with shock loads. No equalization tank is available to avoid shock loads.
4. However AOX in the effluent is well within the standard of 1 Kg/Ton of paper produced. However one shock load is enough to wipe out entire bacterial load in the aeration tank.
5. The industry informed that they are proposing to replace the surface aerators by jet aeration system shortly.
6. The industry has to provide separate flow meters to quantify the water consumption for the boiler makeup, cooling tower makeup and process.

7. The industry has to construct STP to treat the domestic waste. At present the domestic effluents from the canteen are passing through a septic tank/settling tank of around 80 m³ capacity and over flow is taken to ETP for further treatment.

8. The industry has to properly account for the solid waste and maintain proper records of the same. Hundreds of tons of lime sludge which is proposal to be disposed to ceramic units is stored in the premises on open ground.

WHEREAS vide reference 9th cited, the ZO, Visakhapatnam has issued show cause notice to the industry on 29.05.2017 for non-compliance of Board directions and consent conditions.

WHEREAS vide reference 10th cited, Legal Hearing was conducted before the External Advisory Committee (Task Force) Meeting of A.P. Pollution Control Board on 06.07.2017. The representatives of the industry (12 No.s) attended the legal hearing. The Committee noted that Yenamaduru drain is receiving treated effluents mainly from M/s. Delta Papers Ltd., and several Prawn processing units. The Committee observed that the COD and BOD values of the waste water samples collected at the outlet of ETP of the industries are continuously exceeding the prescribed standards. The committee also noted the non-compliance of Board directions and CFO conditions. The SEE & JSO, O/o CEE, Visakhapatnam have attended the Legal Hearing. It was informed that some of industries are discharging the un-treated / Partially treated effluents into Yenamaduru drain through clandestine pipe lines. These industries are not operating Effluent Treatment Plants and not compiled with prescribed standards at discharge outlets. It was also informed that the industries are not maintaining proper records for water consumption, effluent generation and production quantity. The Committee recommended to instruct all the industries to immediately remove the clandestine pipelines connected between the industry and drain (Yenamaduru, satyawada, Gosthni and Rayalam) and shall adopt treatment of waste water to comply with prescribed discharge standards at the outlet. Further, the Committee recommended that the Effluent Treatment Plants at individual industries shall be upgraded immediately to comply with discharge standards prescribed by the Board and shall ensure implementation of requisite measures to prevent re-occurrence of non-compliance to prevent further pollution to Yenamaduru drain. The Committee also recommended that the Board shall keep strict vigilance on all these industries along Yenamaduru drain to ensure that they shall comply with consent conditions and discharge standards.

The Committee after detailed discussions, recommended to issue certain directions. The Board 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 industry shall upgrade the ETP within one month duly re-design the aeration tank to increase the oxygen feed rate and adequate retention time to comply with prescribed discharge standards. The details of ETP up-gradation and implementation progress shall be reported to ZO, Visakhapatnam, SEE, O/o of CEE, Visakhapatnam and RO, Eluru for every fortnight through e-mail.

2. The industry shall provide Sewage Treatment Plant (STP) for treatment of domestic effluents within 2 months.

3. The industry shall provide lined storage tanks within one month for at least two days consented capacity of waste water generation and to monitor quality of treatment and to take back to ETP for re-treatment of effluents in the case of exceeding of discharge standards.

4. The industry shall augment capacity of the ETP to cater treatment during shock load / odd events.

5. The industry shall operate the ETP effectively duly deploying technical and qualified personnel.

6. The industry shall expedite action plan to switch over to oxygen bleaching in the place of chlorine bleaching to reduce load on ETP as reported during the meeting and they shall furnish time bound plan of action within 2 months, to implement oxygen bleaching in the process.
7. The industry shall maintain records on energy meter and flow meter readings pertains to waste water generation, treatment and disposal. The consolidate records shall be furnished to ZO, Visakhapatnam and RO, Eluru every month.
8. The industry shall maintain records for solid waste generation and disposal and shall furnish monthly records to RO, Eluru.
9. The industry shall comply with all the directions issued by the Board vide order dt. 12.01.2017 & 01.03.2017.
10. The industry shall ensure continuous compliance of conditions issued in the CFO and HWA order.

You are hereby directed to note that, should you violate any one of the directions mentioned above, your unit will be closed 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., 04.08.2017.*

Sd/-
MEMBER SECRETARY

To
M/s.Delta Papers Ltd,
Vendra (V), Palakonderu (M),

Copy to:
1. The Joint Chief Environmental Engineer, A.P. Pollution Control Board, Zonal Office, Visakhapatnam for information and necessary action.
2. The Environmental Engineer, A.P. Pollution Control Board, Regional Office, Eluru for information and necessary action.
3. The Joint Chief Environmental Engineer, UH-IV, A.P. Pollution Control Board, Head Office, Hyderabad for information.

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II