Date: 08.06.2018.

DIRECTIONS

Sub:  
APPCB – UD-II - TF - M/s.Vamsadhara Paper Mills Limited, Madapam (V),  
Narasannapeta (M), Srikakulam District – Non-compliance of Consent conditions  
– Complaints received against the industry - Legal hearing held on 16.05.2018 -  
Directions - Issued - Reg.

Ref:  
2. Consent Order No.11014-VZN/APPCB/ZO/SP/CFO/2016-1254,  
3. Complaint filed by Sri Reddy Tatababu, Ex-Sarapanch, Madapam (V), vide  
letter dated 06/12/2017 against the industry for causing pollution problems in  
surrounding area.  
4. APPCB Online Public Grievance ID No. 1517157795, dated 28/01/2018 filed  
by Villagers of Madapam.  
5. Notice No.PCB/ROVZ/Tech/S-44/2018-2194, dt.03.02.2018 of RO,  
Vizianagaram.  
6. Public complaints received from Villagers of Madapam received on  
12.02.2018 & 06.03.2018.  
8. Minutes of External Advisory Committee (Task Force) Meeting held on  
15.05.2018.  
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WHEREAS you are operating Kraft paper unit in the name and style of M/s.Vamsadhara Paper  
Mills Limited operating at Madapam (V), Narasannapeta (M), Srikakulam District.  

WEREAS the Board vide reference 1st cited, has reviewed the status of pollution control  
measure taken by the industry before External Advisory Committee (Task Force) Meeting held  
on 03.12.2016 and issued directions to the industry on 19.12.2016 for complaint received  
against the industry and for non-compliance of Board directions.  

WEREAS the Board vide reference 2nd cited, has issued CFO order to the industry on  
Printing Paper and News Print: 55 TPD and Electrical Power (By providing condensing turbine  
of 1.5 MW in addition to 0.5 MW back pressure turbine): 2.0 MW.  

WEREAS the Board vide reference 3rd cited, received a complaint filed by Sri Reddy  
Tatababu, Ex-Sarapanch, Madapam (V) on 06/12/2017 alleging that lot of Dust Nuisance is  
generated by the industry thereby causing problems to the surrounding villagers and also  
causing damage to the agricultural fields and crops.  

WEREAS the Board vide reference 4th cited, received a complaint from Villagers of Madapam  
alleging that they have been “Suffering from the black ash released by the Vamsadhara Paper  
Mills Limited for the last one month and requested to resolve the issue at the earliest to make  
the villagers life comfortable”.  

WHEREAS the Officials of RO, Vizianagaram have inspected the industry on 03.11.2017,  
27.12.2017 & 04.01.2018 and furnished a report vide reference 7th cited with the following  
observations to review the issue in Task Force Committee:

i) It was observed that the ETP Sludge was stored openly besides dewatering  
machine and also large quantity was stored besides ETP.  
ii) It was observed that lot of plastic waste and other rejected paper waste was  
dumped at the back of the Process area in the industry's own land thereby causing  
nuisance to the surrounding environment.  
iii) Lot of rice husk forming heaps, ash was stored openly in the premises causing  
nuisance to the neighbors by way of dust carried away by wind currents.  
iv) Lot of emissions were observed from the stack which shows that the mechanical  
dust collector attached to the stack are not working efficiently.
v) It was also observed that the effluent was overflowing from the ETP forming Cess pools besides ETP and the ETP outlet is also in slurry form which is being disposed as it is for greenbelt in their own premises. The same was observed as ditches of sludge.

vi) It was observed that lot of plastic waste and paper sludge was stored backside the premises, 500 m away from the plant which is very nearer to the Madapam village.

vii) The industry has not provided piezometric wells around the lagoons where ETP sludge was dumped and also in the surrounding indiustry premises.

viii) The industry is not carrying out ground water monitoring to know the extent of ground water pollution taken place due to dumping of ETP Sludge.

ix) The industry is not maintaining the log books showing energy consumption for ETP, APC and water meter & waste water meter readings at various sections to quantify the same.

x) The industry has not stopped the usage of existing ETP sludge disposal lagoons. Further, the industry shall cap the lagoons with soil layer with adequate thickness and develop green carpet within six months time as per the task force direction issued vide order dated 19/12/2016, but till date the industry has not yet initiated the works thus violating the task force direction.

xi) The industry shall store the presently generated sludge on the raised concrete platform and explore the possibility of using the dried sludge as fuel in the boiler or in the cement industries for co-incineration within three months time as per the task force direction issued vide order dated 19/12/2016, but till date the industry has not yet initiated the works thus violating the task force direction.

xii) The house keeping was observed to be very poor.

xiii) During the inspections, it was observed that lot of dust was observed in the premises due to plying of vehicles.

xiv) Stack Monitoring was conducted at the time of inspection on 27/12/2017 to the stack attached to the 14.5 TPH Husk fired boiler and the SPM values were recorded as 198.2 mg/Nm³ against the standard of 115 mg/Nm³ which shows that the values are exceeding the standards.

xv) AAQ Monitoring was also conducted at the time of inspection on 27/12/2017 at Security gate and at the back side gate and the values were recorded as 168.6 μg/M³ and 151.2 μg/M³ against the standard of 100 μg/M³ which shows that the values are exceeding the standards, thus violating the condition No.4 of Schedule-B of CFO order dated 30/12/2016.

xvi) The samples were collected from different sections of ETP and the analysis report reveals that the values of the parameters are far exceeding the standards.

xvii) The samples were also collected from the Piezowells near canteen and at east side of the ETP and the values of the parameters TDS, total hardness and magnesium are also exceeding the standards.

**WHEREAS** the Regional Office, Vizianagaram vide reference 5th cited, has issued show cause notice to the industry for the above reasons. The industry has submitted the reply on 27.02.2018 and requested time to upgrade the air pollution control equipment from the mechanical dust collectors to Electro Static Precipitators.

**WHEREAS** the RO, Vizianagaram vide reference 6th cited, has again received three public complaints from villagers of Madapam on 12.02.2018 & 06.03.2018 against the pollution problems caused by the industry.

**WHEREAS** legal hearing was conducted before the External Advisory Committee (Task Force) of A.P. Pollution Control Board in its meeting held on 16.05.2018. The representatives of the industry attended the legal hearing and complainants did not attend the meeting. The committee noted that the Board received a Complaint filed by Sri Reddy Tatababu, Ex-Sarapanch, Madapam (V), Narasannapeta (M), Srikakulam District vide letter dated 06/12/2017 against the industry for causing pollution problems in surrounding area and also received through APPCB portal vide ID No. 1517157795, dt.28.01.2018 filed by Villagers of Madapam regarding pollution problems causing by the industry. The Committee also noted the non-compliance of Board directions and Consent order conditions. The EE, RO, Vizianagaram has informed that ETP sludge was stored openly besides dewatering machine and also large quantity was stored besides ETP. It was informed that lot of plastic waste and other rejected paper waste was dumped at the back of the process area in the industry's own land thereby causing nuisance to the surrounding environment. It was also informed that the industry has not upgraded the air pollution control equipment; not provided ESP; Not connected the online stack monitoring system to Board website. During the inspection it was observed that the effluent is overflowing from the ETP and Cess pools were formed besides ETP and the ETP outlet is also in slurry form which is being disposed as it is for greenbelt in their own premises. The representative of the industry informed that the mill was started the commercial production during 1983 and
during that time they are using straw and generated lot of sludge and was stored adjacent to the ETP. Presently the entire sludge generated by them is treated with conventional sludge press and disposed off to brick manufacturing units and card board manufacturing units regularly. They have already stared plantation of eucalyptus on the sludge lagoons. They informed that they are installing twin wire sludge press with capital cost of Rs.30 Lakhs which will be completed by 31st July, 2018, thereby the volume of sludge generation will be drastically come down and the storage will be totally eliminated. It was informed that they are generating plastics in the process and the material is sent to M/s Shri Shri Green Energy, Kumool for converting into oil, but they are able to lift very limited quantity and the balance quantity is bailed with hydraulic press and stored within the premises. They are also trying to dispose of plastic to the cement factories for co-processing.

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 industry shall immediately contact the cement industries and shall explore the possibility of using plastic waste in the cement industries for co-incineration / co-processing or send to authorized recycling units within one month. The industry shall store plastic waste in a safe manner within the premises until the final disposal and avoid being carried away to the surrounding environment.
2. The industry shall take necessary action for capping of existing unlined lagoons within 2 months.
3. The industry shall regularly operate Effluent Treatment Plant to meet Board’s discharge standards and maintain log registers.
4. The industry shall stop the usage of existing sludge lagoons; cap the lagoons with soil and develop green carpet within 3 months. Further the industry shall store the sludge being generated on the raised concrete platform and explore the possibility of using the dried sludge as fuel in the boiler or in the cement industries for co-incineration within three months time.
5. The industry shall monitor piezo wells every month through a recognized laboratory to monitor the ground water pollution.
6. The industry shall upgrade the air pollution control equipment within 2 months and ensure the continuous compliance of Emission standards prescribed by the Board.
7. The industry shall provide dust suppression system near the coal/husk/ash handing area within one month.
8. The industry shall store the husk / ash in closed rooms only, so as to avoid the dust nuisance to the surrounding area.
9. The industry shall provide online stack monitoring system to the boiler and the same shall be connected to the APPCB web site within a month time.
10. The industry shall maintain log books to record the energy meter readings pertaining to the operation of the ETP, APCE and water meter & waste water meter readings at various sections to quantify the same. The consolidate records shall be submitted to ZO, Visakhapatnam and RO, Vizianagaram every month.
11. The industry shall not discharge any type of effluents outside the premises under any circumstances.
12. The industry shall not cause any air pollution/odour nuisance to the surrounding environment.
13. The industry shall maintain good housekeeping within the industry premises.
14. The industry shall develop and maintain thick green belt all along the boundary of the industry premises to achieve minimum 35% area of the total project site.
15. The industry shall submit the Bank Guarantee of Rs.5 Lakhs in favour of Environmental Engineer, Vizianagaram in prescribed format within 15 days for period of one year towards compliance of Board directions.
16. The industry shall ensure continuous compliance of the conditions stipulated in CFO order issued by the Board.

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., 08.06.2018.

Sd/-
MEMBER SECRETARY

To
M/s.Vamsadhara Paper Mills Limited,
Madapam (V), Narasannapeta (M),
Srikakulam District.

Copy to:

1. The Joint Chief Environmental Engineer, Zonal Office, Visakhapatnam for information and necessary action.
2. The Senior Environmental Engineer, Legal, Board office for information and necessary action.
3. The Environmental Engineer, Regional Office, Vizianagaram for information and directed to inspect the industry to verify the compliance of above directions and conduct stack monitoring & AAQM and furnish the detailed report along with analysis reports to Board Office within 2 months.

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
UH-II