Regd. Post With Ack Due

Order No.928/APPCCB/UH-II/TF/SKLM/2018-1167


CLOSURE ORDER

Sub: APPCCB – UH-II - TF – M/s.Rainbow Industries, Sy.No.22/1, Patha Kunkam (V), Laveru (M), Srikkakulam District – Non-compliance of Consent conditions and Board Directions – Legal Hearing held on 10.10.2018 – Closure Order - issued - Reg.

5. Board officials inspected the facility on 13.08.2018 & 16.08.2018.

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WHEREAS you are operating a Common Bio-Medical Waste Treatment and disposal facility in the name & style of M/s. Rainbow Industries at Patha Kunkam (V), Laveru (M), Srikkakulam District.

WHEREAS the Board has issued vide references 1st cited, Consent for Operation & Hazardous Waste Authorization and Bio Medical Waste Authorization order to the industry vide order dated 09.02.2017 with certain conditions, which is valid upto 31.01.2022.

WHEREAS the SEE, ZO, Visakhapatnam inspected the industry on 19.06.2017 and issued show cause notice vide reference 2nd cited to the industry on 06.07.2017 for non-compliance of the Board directions and BMW Rules, 2016.

WHEREAS the Board has reviewed the status of pollution control measures taken by facility before External Advisory Committee (Task Force) Meeting held on 16.11.2017 and issued directions to the facility on 07.12.2017 vide reference 3rd cited to stop the operation immediately for non-compliance of Board directions and BMW Rules, 2016.

WHEREAS vide reference 4th cited, the Board has issued Revocation of the Stoppage Operation to the industry on 15.12.2017 with the following directions:

1. The facility shall collect only segregated Bio-medical Waste from HCEs. The list of HCE’s sending un-segregated bio-medical waste to CBMWTF shall be reported to ZO, Visakhapatnam and RO, Vizianagaram as and when found non-compliance.
2. The facility shall operate Effluent Treatment Plant regularly.
3. The facility shall install Barcode systems for collection of Bio-medical Waste and shall report compliance to RO, Vizianagaram and ZO, Visakhapatnam along with details of bar codes within two months.
4. The facility shall maintain records on actual operation of incinerator/ autoclave/ shredder, diesel consumption, Manifest copies, vehicles and daily register of BMW collected from HCEs (HCE wise) and route wise collection at plant site.
5. The facility shall submit the Bank Guarantee of Rs. 2.0 Lakh within 15 days for period of one year towards compliance.
6. The industry shall ensure continuous compliance of the conditions stipulated in the CFO & HWA order.

WHEREAS the JCEE, ZO, Kurnool vide reference 5th cited, has inspected the industry on 13.08.2018 and observed the following violations:

➢ The incinerator is not as per the guidelines specified by CPCB. It is not meeting the minimum required temperatures in both the chambers. The temperature in the primary chamber is only 320°C as against minimum 800°C. The temperature in the secondary chamber is only 52°C as against minimum 1050°C.
The air pollution control equipment is not properly functioning. The facility is not adding caustic soda to the scrubbing water. The pH of the water used for scrubbing was measured and found that it is 2.16. Lot of leakages were observed in scrubbing recirculation system.

Not made any provision for measuring the minimum required pressure drop of 350 mm water column (WC) in the venturi scrubber.

Not provided any provision for measurement of gas flow in the secondary chamber. However, the residence time is calculated based on the flow rate in the stack and found that it is about 0.2 seconds only as against the minimum required residence time of 2 seconds as per BMW Rules, 2016.

Not provided flow meter / flow measuring device to measure the flow of air.

The industry has provided a provision for automatic feeding. But not using the equipment and feeding the waste manually.

Not provided graphic or computer recording devices. The display is showing only temperatures in the primary and secondary chambers. The gaseous emissions, the record dates/time/batch are not displayed. Not produced any records also.

The Particulate matter emission from the incinerator was 98.7 mg/Nm3 against the standard of 50 mg/Nm3. The HCl concentration was 62 mg/Nm3 against the standard of 50 mg/Nm3.

The autoclave is totally in sufficient and not meeting the operational parameters. The temperature in the autoclave is only 97°C against the minimum required temperature of 120°C. The pressure is only 2.5 pounds per square inch against the minimum pressure of 15 psi. The CBMWT is not even conducting the required route test for every cycle and spore testing every week as required and also not maintaining records.

The shredder is not properly designed. It is not covered on top to avoid spillage and dust generation. The discharge height is only 1 feet against minimum 3 feet to accommodate the ventainers for collection of shredded material.

The online stack monitoring system provided to the incinerator is not functioning. The CBMWT is not monitoring the dioxins and furans.

The facility is receiving un-segregated waste and feeding the plastic, glass, syringes, etc., into the incinerator along with anatomical waste.

The incinerator ash is containing lot of glass bottles, needles, etc.,

The CBMWT is not regularly disposing the ash and ETP sludge to the TSDF and not maintaining any records.

Not provided sharp / encapsulation pit for storing the treated sharps.

No records were available on site for verification.

Not maintaining any records of water consumption.

Not maintaining any records regarding wastewater generation, treated, reused, etc.,

Huge quantity of plastic waste is stocked in the premises in an unorganized manner. The glass bottles and syringes are stored in open area.

All the treatment equipment i.e., incinerator, autoclave and shredder are housed in one shed instead of different rooms. The floor and interior of the room are not provided with tiles.

There is no separate waste storage room to unload the bio-medical waste. They have provided 3 small compartments within the equipment room which are empty and found to be not in use. They are unloading the waste in the equipment room and manually dragging the bags on the floor to the incinerator. Stains of blood was observed on the floor.

Not provided sign Board at the entrance displaying the name address, telephone number, hours of operation, etc.,

Not maintaining the records pertaining to waste accepted with collection date, source, quantity, etc., and waste treated & removed.

Not maintaining log book of weight of each batch, the complete details of all operated parameters, etc.

The vehicle used for transportation of biomedical waste is not properly designed as per guidelines and there are lot of holes in the base of the cabin.

Not Compiled directions issued by the Board vide order dt 15.12.2017.

Analysis reports of the samples collected at scrubber outlet not meeting the standards. The Suspended Particulate Matter (SPM) concentration and HCl concentration in the stack attached to the incinerator was found to be 98.7 mg/Nm3 and 62 mg/Nm3 against the standards of 50 mg/Nm3.

WHEREAS the facility was again inspected on 16.08.2018 by the Member Secretary, APPCB.
The following violations are observed:

- Not produced the registration particulars of vehicles used for transporting BMW.
- The pay role particulars of the employees working in the facility are also not produced.
➢ The operator of the incinerator is not skilled and his educational qualification is only intermediate. He is not trained and certified by the incinerator supplier in operation and maintenance of incinerator.
➢ The bar coding and GPS for handling of Bio Medical Waste were not established. The operator informed that they have provided GPS system for the vehicles but, The CBMWTTF could not be able to show the position of the vehicles.
➢ Not providing training to the workers.
➢ Not maintaining medical examination record of all workers.
➢ Not maintaining the log book for each of the treatment equipment according to weight of batch, categorization of waste treated, time date & duration of treatment cycle and total hours of operation
➢ The record of occupiers of HCFs visiting the CBMWTTF is not being maintained.
➢ Not having website for displaying of authorization, treatment, annual report etc.,
➢ The ETP is inadequate and non-functional. The blower in the aeration tank was removed.

WHEREAS the Board issued show cause notice to the facility on 19.09.2018 vide reference 6th cited for non-compliance of consent conditions, Board directions & CPCB guidelines.

WHEREAS legal hearing was conducted before the External Advisory Committee (Task Force) of A.P. Pollution Control Board in its meeting held on 10.10.2018. The representative of the industry has attended the legal hearing. The committee reviewed the non compliance observed by the Board officials during their inspection at the facility. The committee enquired about the bed strength of HCEs tied up with the facility and no. of HCEs, which are not segregated BMW waste. The Committee noted that the incinerator is not as per the guidelines specified by CPCB. It is not meeting the minimum required temperatures in both the chambers. The temperature in the primary chamber is only 320°C as against minimum temperature of 800°C. The temperature in the secondary chamber is only 52°C as against minimum of 1050°C. The air pollution control equipment is not properly functioning. They are not adding caustic soda to the scrubbing water. The pH of the water used for scrubbing was measured and found that it is 2.18. Lot of leakages were observed in the scrubbing recirculation system. The facility has not provided Bar Code system and not maintaining any records with respect to collection and receiving of Bio-medical waste, waste incinerated, incineration ash generated, Plastic waste segregated, waste water generated and treated. The EE, RO, Vizianagaram informed that the facility replaced the Scrubbers, rectified the secondary chamber by replacing pipelines and rectified the mechanical equipment of Effluent Treatment Plant. It was also informed that the facility has disposed incineration ash & ETP sludge to TSDF, Ramky, Parawada. The online stack monitoring system provided by the facility is not in working condition. The representative of the facility informed that the facility is not in operation from last 25 days due to modification of works and now the facility is in operation after rectifying all pending work.

The Committee after detailed discussions and review of operational status of the facility, recommended to issue closure order for not maintaining the required temperatures in primary and secondary chamber of the incinerator, not operating air pollution control equipment, not providing any provision for measurement of gas flow in the secondary chamber, not maintaining the records pertaining to collection and reception of BMW/the quantity of waste water generated & treated/quantity of incineration ash generated and disposed and for not complying most of directions issued by the Board and BMW Rules, 2016. Also to submit 5 Lakhs as Bank Guarantee including the Bank Guarantee which the operator has not paid as per the earlier Board Directions.

The Board hereby issue Closure Order to the facility under Sec.33 (A) of Water (Prevention and Control of Pollution) Act, 1974 and under Sec.31 (A) of Air (Prevention & Control of Pollution) Amendment Act, 1981 amendments thereof.

M/s A.P.E.P.D.C.L., has been requested to disconnect power supply to M/s.Rainbow Industries, Sy.No.22/1, Patha Kunkam (V), Laveru (M), Srikakulam District.

You are further directed to take note that if you continue to operate your industry after receipt of this order, you will be liable for prosecution U/s. 41 of Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof & U/s. 37(1) of Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof, the punishment under this section be punishable with imprisonment for a term which shall not be less than one year six months but which may extend up to six years and with fine.

You are also directed to take note that the M/s.A.P.E.P.D.C.L., has been ordered to disconnect electricity supply to your industry with immediate effect. Should you resort to operate your industry by means of diesel generator or any mechanical device, you will be attracting
prosecution U/s. 41 of Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof & U/s. 37(1) of Air (Prevention & Control of Pollution) Act, 1981 and amendments thereof.

This Order comes into effect from today i.e. 26.10.2018.

Sd/-
MEMBER SECRETARY

To
M/s. Rainbow Industries,
Sy.No.22/1,
Patha Kunkam (V), Laveru (M),
Srikakulam District.

Copy to:
1. The Managing Director, Eastern Power Distribution Company of A.P.Limited, Seethammadhara, Visakhapatnam District or information and necessary action.
2. The Superintending Engineer (Operations), A.P.E.P.D.C.L., Srikakulam District for information and necessary action.
3. The Joint Chief Environmental Engineer, Zonal Office, Visakhapatnam for information and necessary action.
4. The Environmental Engineer, Regional Office, Vizianagaram for information and directed to report the compliance on closure order within 48 hours. The EE shall furnish the list of defaulting HCEs, which are not segregating the waste and not following BMW Rules to JCEE, Unit-IV, Board office to initiate necessary action.
5. The JCEE, Unit-IV, Board office to issue necessary directions to CBMTF, Visakhapatnam to collect BMW from HCEs located in the jurisdiction of M/s. Rainbow Industries, Srikakulam District and transport the same for further treatment at their facility. He is also directed to initiate action defaulting HCEs which are not segregating the Bio Medical Waste at the source and not following BMW Rules.

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

JOINT CHIEF ENVIRONMENTAL ENGINEER
UNH-II