

No.PCB/SEO-CTA-67/Random-IR/2018/

June 11, 2018

**Inspection Notes of C.D.Kumar, SEO, Chitradurga**


Name of The Industry visited	M/s Shiva Enterprises, Plot #311-A, 2 <sup>nd</sup> Phase, KIADB Ind Area, Harohalli, Kanakapura Taluk, Ramanagara District
Date of Visit	07.05.2018
Officers Accompanied	Siddaramaiah, RO
Person Contacted	Chandru, Production In charge

It is a used lead acid re-processing unit visited in view of the instructions issued through e-mail dated 01.06.2018 under random inspection of organization identified based on computerized risk assessment. The consents issued by the Board under Water Act 1974 and Air Act 1981 have expired on 30.06.2017 and the Authorisation issued under HWM Rules 2008 has also expired on 30.06.2017. Further the Authorisation sought by the unit under HWM Rules 2016 for further period has been **Refused** by the Board on 24.05.2018. The unit was in operation during visit and following are the observations.

- The used lead acid batteries of different sizes received at site are dismantled manually and lead bearing components are fed into charcoal fired Bhatti having two crucibles to recover lead in molten form which is subsequently fed into moulds to produce lead ingots. No acid proof flooring provided for storage of used batteries, dismantling activity and segregation of dismantled parts. Also no acid collection system provided for drained acid from used batteries. These activities are being carried out in crude method leading to ground water contamination.
- Charcoal fired Bhatti is having two crucible (one working at the time of visit) is provided with dust collector, cyclone and bag filter followed by a chimney of 30 AGL height. No Rotary Furnace installed. In addition a small HSD fired Pot Furnace is installed and for process emissions emanating from this furnace no APC measures are provided.
- Separate rooms are provided to store dismantled non-lead components, slag and ash collected in APC equipments. No records are made available to assess the quantity of generation and disposal of these waste materials.
- In addition the unit is also engaged in manufacturing of new batteries without obtaining prior consent from the Board and also without providing required pollution control measures. The waste water generated from washing of components, containers, floor is being discharged in to nearby drain without any treatment. Stagnation such discharged effluents in drains noticed which may cause ground water pollution. Further no APC measures provided for the lead emanating sources and activities.
- The RO was instructed to verify the manifest of disposal of lead slag, dismantled components, ash and other hazardous wastes, to collect samples of untreated effluents being discharging into drains and samples of emissions of Bhatti besides to gather required evidences of non-compliance immediately to initiate action.

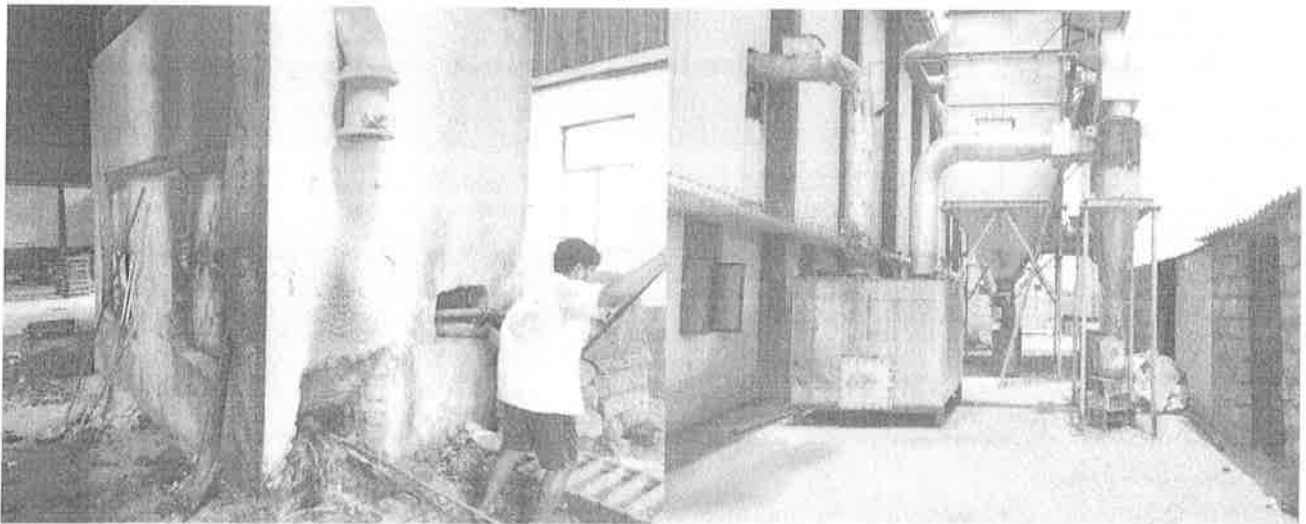
The observations made during visit indicate that the unit is not serious in complying with the conditions stipulated in the consent and authorization issued earlier. The occupier has continued the operations without obtaining valid consent and also continues to handle hazardous wastes in spite of refusal of Authorisation. Further the unit is engaged in manufacturing of batteries without obtaining prior consent from the Board and also in violation to the directions issued. The Regional officer was instructed to gather evidences immediately for the non-compliances. It is opined to initiate action as contemplated under the law including closure of the unit. The photographs taken during visit are enclosed.

Encl. as above

  
SEO-Chitradurga



**Manual Dismantling and Dump of Battery components**



**Charcoal fired Bhatti and APC Measures**



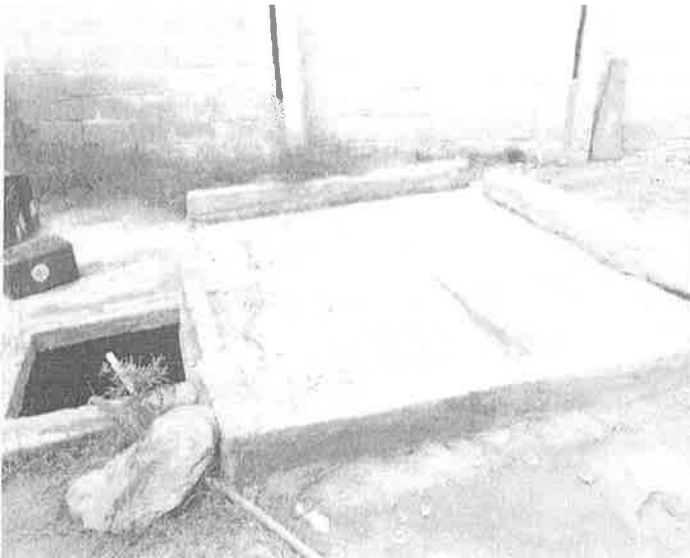
**Storage of Lead Slag and dismantles Components**



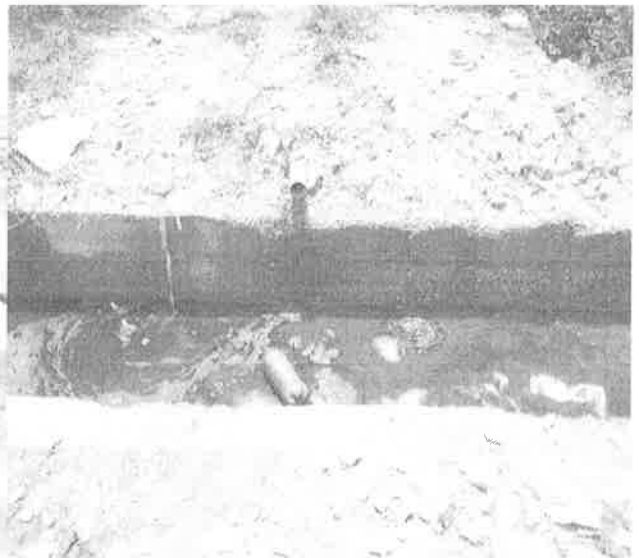
**Pot Furnace**



**Lead Bath**



**Washing Area**



**Effluents stagnated in Drain**

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