

Decontamination and Recycling facilities for packing materials for M.S. containers, Plastic containers, Liners, Bags.



Procedure followed for Management, Decontamination and recycling of contaminated waste packing material:

Collection: All the type of packing generated from different type of industrial units is collected by this unit. Dedicated vehicles registered with the Board for transportation of hazardous waste materials.

Storage: Separate storage areas have been allocated for each type of containers. The storage sheds are having pucca flooring; covered shed and automatic air exhaust system.

Decontamination: The main process to be undertaken on the waste packing material is decontamination. The operator is having qualified and well-trained employees, Modern equipment and all required safety measures. The washing activity with hot water, caustic/detergent and soda ash for decomposition followed by solvent recovery and vacuum dry cleaning.

For corrugated boxes and similar containers, solid/powder material contained a separate facility is provided.

Disposal: These decontaminated containers could be reused. The containers, which are not reusable, would be scrapped and sold to registered ferrous recycler (in case of MS drum) or plastic waste recycler (in case of plastic carboy/barrels).

Wastewater Management: The wastewater generated from the washing activity treated in the Effluent Treatment Plant and evaporated in the Multiple Effect Evaporator. The condensate of the MEE shall be pure water and will be used in the processing. The sludge generated from MEE and ETP disposed off to common TSDF site of Naroda Enviro Projects Ltd. full-fledged laboratory has been installed for analyzing the quality of water/wastewater before and after each stage of treatment process.

Solvent Residue: The solvent recovered from the containers re-used. The solvent residue/silt generated during the solvent stage disposed off to common incinerator facility of Bharuch Enviro Projects Ltd.