

Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016



Rapid industrialization in last few recent decades have led to the depletion of natural resources and increase in pollution in the country. As part of economic development, this industrialization has also led to generation of huge quantities of hazardous waste which causes severe environmental problems.

To understand the management of hazardous waste, we should have a comprehensive knowledge of Hazardous waste.

What is Hazardous waste?

“Hazardous waste” means any waste which by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances and shall include wastes listed in Schedule I, II& III of the Rules.



This rules were came into effect in 1989 and have been amended later in the years 2000, 2003 and with final notification of the Hazardous Waste

(Management, Handling and Trans-boundary Movement) Rules, 2008 in supersession of former notifications. After first revision of the rules, 3times amendments have been done till now.

Following are the sequence of rules amended-

- First Amendments Rules, 06.07.2016
- Second Amendments Rules, 28.02.2017
- Third Amendments Rules, 11.06.2018
- Fourth Amendments Rules, 01.03.2019

This rule applies to all generators, occupiers, actual users, operators who carry out the activities of generation, handling, collection, reception, treatment, transport, storage, reuse, recycling, recovery, pre-processing, utilisation, including co-processing and disposal of hazardous wastes.

Objectives of Hazardous and Other Wastes Rules, 2016:

- ❖ Waste minimization
- ❖ Detoxification & neutralization of waste by treatment method
- ❖ Destruction & combustible waste by incineration
- ❖ Solidification of sludge & ash
- ❖ Disposal of residual in landfills.

There are total six Chapters, eight Schedules and twelve application forms according to the rule.

Chapter 1	Preliminary
Chapter 2	Procedure for management of hazardous and other wastes
Chapter 3	Import and export of hazardous and other wastes
Chapter 4	Treatment, storage and disposal facility for hazardous and other wastes
Chapter 5	Packaging, labelling, and transport of hazardous and other wastes.
Chapter 6	Miscellaneous

To take an idea of Hazardous waste generation, concentration limits and their proper management, following are the Eight Schedules namely:

Schedule I	List of processes generating hazardous wastes
Schedule II	List of waste constituents with concentration limits
Schedule III	List of hazardous wastes applicable for import and export with Prior Informed Consent
Schedule IV	List of commonly recyclable hazardous wastes

Schedule V	Specifications of Used Oil Suitable for recycling Specification of fuel derived from waste oil
Schedule VI	Hazardous and Other wastes prohibited for import
Schedule VII	List of authorities and corresponding duties
Schedule VII	List of documents for verification by Customs for import of other wastes specified in Part D of Schedule III

There are XII Forms as per Hazardous and Other Wastes Rules, 2016:

Form	Purpose
Form I:	Application for obtaining Authorization for collection/reception/Treatment/Transport/storage/reuse/recycle/pre-processor/disposal of Hazardous waste.
Form II:	For grant/renewal of authorization by SPCB/PCC for occupier, reprocessors, refuses and operates of facilities for collection, reception, Treatment, Transport, storage, disposal of Hazardous waste.
Form III:	Maintaining records of Hazardous waste by the occupier or operator of facility.
Form IV:	Filling of Annual Returns by occupier or operator of facility.
Form V:	Application for import or export of hazardous waste for recycling/reprocessing/reuse.
Form VI:	Transboundary movement- Movement Document
Form VII:	Application for one time authorisation of traders
Form VIII:	Labeling of containers of Hazardous and other waste
Form IX:	Transport Emergency (TREM) Card
Form X:	Manifest (seven copies) for Hazardous and other waste
Form XI:	Format for Accident Report
Form XII:	Application for filing appeal against the order passed by state pollution control board

There are seven copies of Manifest. An additional copy has been introduced in the Rules, 2016 to take care in case waste is being transported in another state from the place of origin. In such case, one copy has to be sent to the SPCB of the concerned state where the waste has to be shipped. The following table shows the colour coded manifest system.

Copy number with Colour code	Purpose
Copy 1 (White)	To be forwarded by the sender to the SPCB after signing all the seven copies
Copy 2 (Yellow)	To be forwarded by the sender to the SPCB after signing all the seven copies
Copy 3 (Pink)	To be retained by the receiver (actual user or treatment storage and disposal facility operator) after receiving the waste and the remaining four copies are

	to be duly signed by the receiver.
Copy 4 (Orange)	To be handed over to the transporter by the receiver after accepting waste.
Copy 5 (Green)	To be sent by the receiver to the State Pollution Control Board.
Copy 6 (Blue)	To be sent by the receiver to the sender.
Copy 7 (Grey)	To be sent by the receiver to the State Pollution Control Board of the sender in case the sender is in another State.

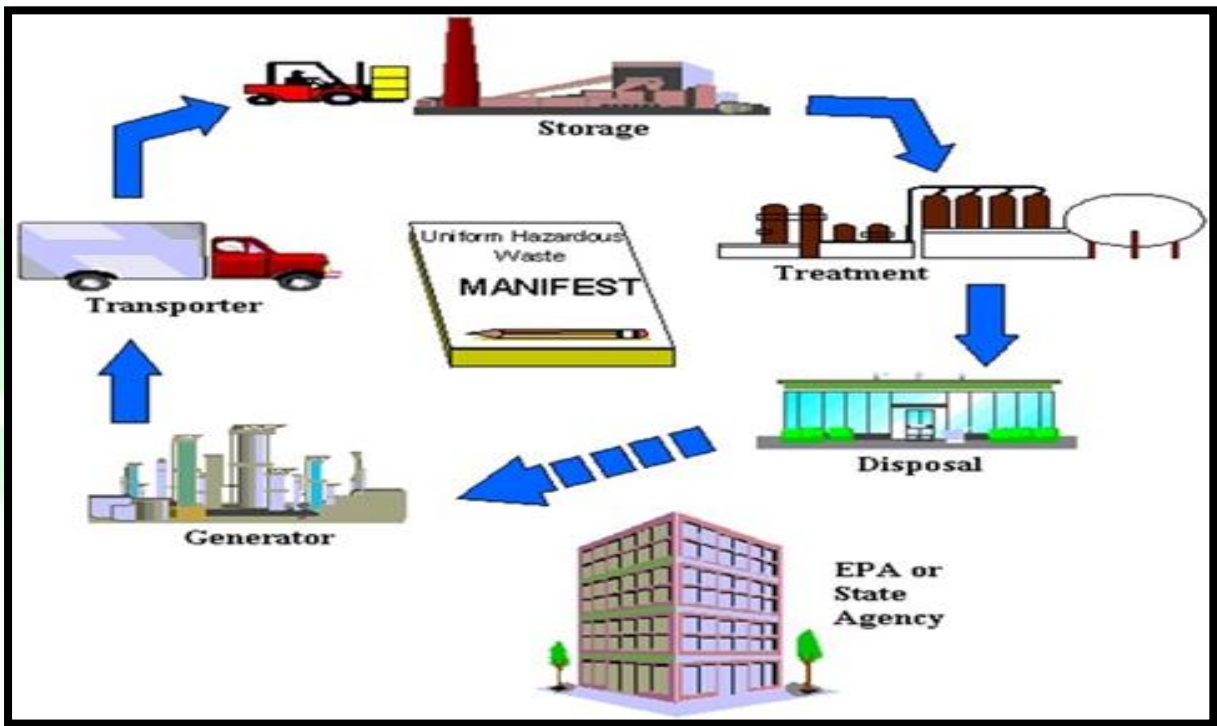


Diagram shows the pathway of hazardous waste movement from the source of generation to the final disposal.

Conclusion:

For environmentally sound management of hazardous and other wastes take all the required steps to ensure that the hazardous and other wastes are managed in a manner which shall protect health and the environment against the adverse effects which may result from such wastes.

Reference:

1. iwma.in/HWM%20Rules.
2. lawsindia.com/Industrial%20Law
3. pcb.nic.in/rules