



H.P. STATE POLLUTION CONTROL BOARD
"HIM PARIVESH" PHASE-III, BELOW BCS, NEW SHIMLA-9
Ph. No. 0177-2673766, 2673276, Fax No. 2673018

No. PCB/ HWMR/ (1629)/ Shivalik Solid Waste Management Ltd / 13 88-105


Dt: 02-04-2014

To

M/s Shivalik Solid Waste Management Ltd,
Village Majra, PO Dabhota, Tehsil Nalagarh,
District Solan (HP)

Sub: Authorization/ Renewal of Authorization operating a facility for collection/ reception/ transportation/ storage & disposal Hazardous Wastes in landfillable facility.

1. (a) Number of authorization : N-021/ 08
Date of issue : 02-04-2014
- (c) Date of Expiry : 31-03-2018.
- (d) Categories/ Waste Streams of hazardous wastes : Landfillable waste falling under categories mentioned in Schedule-1 & Schedule-2 of Hazardous Waste (Management & Handling) (Amendment) Rules 2003.
- (e) Type & Quantities of hazardous waste : Landfillable Hazardous Waste - 50000 MT/ Year
2. The Authorization/ Renewal of Authorization shall be in force for a period up to 31st March 2018 subject to concurrent validity of the Consent/ Renewal of Consent under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 or any other authorization required from the State Board.
3. M/s Shivalik Solid Waste Management Ltd., hereby granted authorization/ renewal of authorization under Rule 5 of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 of Environment (Protection) Act, 1986 to operate a facility for collection/ reception/ transportation/ storage/ disposal of hazardous waste in the premises situated at above mentioned address.
4. The authorization/ renewal of authorization is subjected to the terms & conditions as given in over leaf. You shall maintain the records of hazardous waste handled by you in Form-3 and submit;
 - i) Annual return in Form-4 on or before the 30th day of June of every year.
 - ii) Apply for the renewal of authorization on prescribed and Form-I along with authorization fees if applicable through concerned Regional Office before the expiry of this authorization.
 - iii) The unit shall submit manifest in Form-13 to this office regularly for the disposal of hazardous waste to the authorized facility.
5. This authorization is without prejudice to any action, which may be due against the unit for violation of any other environmental Act/ Rule.
6. The occupier/ operator of the facility shall get the sample of **landfillable hazardous waste analysed**, for Hazardous Waste constituents and appropriately treated before landfilling.
7. The occupier/ operator of the facility shall take prior approval from CPCB under Rule-11 of HWMR for utilization of Hazardous waste after processing.
8. The occupier/ operator of the facility shall submit the latest ground water quality monitoring reports to State Pollution Control Board to assess the ground water quality.
- 9.


(Vineet Kumar) IFS
Member Secretary, HPSPCB

Copy to:-

1. The Sr. Environmental Engineer-I & II, HPSPCB, Shimla for information.
2. The Sr. Environmental Engineer/ Environmental Engineer/ Assistant Environmental Engineer, HP State Pollution Control Board, Regional Office Rampur, Una, Baddi, Parwanoo, Poanta Sahib, Bilaspur, Shimla, Jassur, Chamba, Kullu for information & necessary action.
3. Laboratory Incharge, HPSPCB, Central Laboratory Parwanoo, Regional Laboratory Jassur, Sunder Nagar and Paonta Sahib for information and necessary action.
4. Case File.

(Vineet Kumar) IFS
Member Secretary, HPSPCB

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TERMS AND CONDITIONS OF AUTHORISATION

1. The authorized person shall comply with the provisions of the **Environment (Protection) Act 1986** and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the H.P. State Pollution Control Board.
3. The person authorized shall not rent, lend, sell, dispose, transfer or otherwise transport the hazardous wastes to any other site without obtaining prior permission of the Board.
4. Any unauthorized change in personnel, equipment and working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
6. An application for the **Renewal of Authorization** shall be made as lay in section 5(6) (ii) of the Hazardous Waste (Management & Handling) Rules, i.e. in **Form-I** before 30 days of expiry of authorization.
7. The occupier generating hazardous waste operator of a facility for collection and storage of hazardous waste shall **maintain records** of such operations in **Form-3**.
8. The occupier/ operator of facility shall send **Annual Returns** to the Board in Form-4 by 31st January of every year.
9. The occupier/ operator of the facility shall follow the provisions mentioned in CPCB "**Guidelines for transportation of Hazardous Waste**" w.r.t. Off Site Transportation of Hazardous Waste/ Packaging/ Labeling/ Collection & Transportation. strictly as per the Guidelines.
10. The occupier/ operator of the facility shall also follow the CPCB "**Guidelines for Proper Functioning and Upkeep of Disposal Site.**"
11. The authorized person shall report, about the accident, which occurs at the hazardous waste storage site immediately to Board.
12. Before transferring ownership or operation of a facility, Unit during its operating life, or of a disposal facility during the post closure care period, the owner/ operator of the facility must seek prior permission of the State Board and must notify the new occupier or operator in writing as per requirements of this authorization. An occupier or operator as per the requirements of this authorization in no way relieves the new occupier or operator of his obligation to comply with all applicable requirements.
13. Before the hazardous waste is stored or dumped in the facility, occupier/ operator of facility must conduct a detailed physical and chemical analysis of hazardous waste sample collected from various sources/ industry and shall send the report to the State Board.
14. An occupier shall not store hazardous wastes in open ground. It must be stored under shed properly segregated and in well defined area.
15. The storage tank/container of the hazardous waste should be in good condition and made of (or lined with) an appropriate material which does not react with the waste contained in it and can with-stand the physical and environmental conditions during storage and handling.
16. The occupier/ operator generating and storing hazardous waste shall mark each container holding hazardous waste with the marking "**HAZARDOUS WASTE**" both in English and Hindi.
17. The Hazardous Waste storage area should be fenced properly and a SIGN/ NOTICE Board indicating "**DANGER**" and "**HAZARDOUS WASTE**" sign & nature of the waste with quantum of storage, generation shall be placed at storage site.
18. The occupier/ operator generating and storing hazardous waste shall provide the required safety devices like safety mask, goggles, hand-gloves, gumboots etc. to the workers for handling the hazardous waste. The occupier shall impart training to the personnel/ workers for handling transportation, storage, treatment and disposal of hazardous waste.
19. Non-compatible hazardous waste and material shall not be mixed in the same storage container and shall be disposed separately.
20. There should be sufficient & efficient provisions to avoid under ground water contamination due to waste storage and disposal. The quality of ground water where the waste has been stored shall be monitored by the occupier/ operator of facility at 6 locations of the inspection well around the site.
21. The occupier/ operator shall be responsible for any damage of life/or property during transportation, storage and treatment of waste and will obtain Public Liability Insurance, wherever applicable.
22. The occupier/ operator who handles hazardous waste shall draw an Emergency Plan for meeting any emergency due to on Site Storage of Hazardous Waste inside its premises and to meet an emergency due to accident during transportation of Hazardous Waste.
23. Packaging, Labeling, Transportation of Hazardous Waste shall be in accordance with the provisions of the rules made by Central Govt. under Motor Vehicle Act, 1988 and other Guidelines from time to time. All Hazardous Waste Containers shall be provided with a general label as given in Form-8.
24. No transportation of hazardous wastes shall be under taken unless it is accompanied by five copies of the manifest (**Form-9**) as per the color codes. The transporter shall give a copy of the manifest signed and dated to the occupier and retain the remaining four copies to be used as prescribed in condition no. 25.

25. The occupier/ operator shall provide the transporter with six copies of the manifest in Form- 9 as per the color codes indicated below:
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|-----------------|--|
| Copy 1 (White) | To be forwarded by the occupier to the State Pollution Control Board or Committee. |
| Copy 2 (Yellow) | To be retained by the occupier after taking signature on it from the transporter and rest of the four copies to be carried by the transporter. |
| Copy 3 (Pink) | To be retained by the operator of the facility after signature. |
| Copy 4 (Orange) | To be returned to the transporter by the operator of facility after accepting waste. |
| Copy 5 (Green) | To be returned by the operator of the facility to State Pollution Control Board after treatment and disposal of waste. |
| Copy 6 (Blue) | To be returned by the operator of the facility to the occupier after treatment and disposal of wastes. |
26. The occupier/ operator shall obtain necessary no objection certificate from State Pollution Control Boards in the respective states involved in case of any inter and intra State transport of hazardous wastes.
27. The occupier/ operator shall provide the transporter with relevant information in **Form-10**, regarding the hazardous nature of the wastes and measures to be taken in case of an emergency.
28. The unit shall be required to **display quantum, storage of hazardous wastes on a Sign Board of size 6'x4' at main gate.**
29. The occupier/ operator of facility shall establish & maintain secure landfill including waste stabilization/ solidification facility, laboratory capable finger printing facility, mechanized transportation and handling of waste.
30. The occupier/ operator of facility shall provide details of Hazardous Waste received from each industry and quantity disposed in secured landfill and shall submit monthly report to this office.
31. The occupier/ operator of facility shall submit quarterly report of the finger printing report of hazardous waste and analysis report of the ground water around the unit.
32. The occupier/ operator of facility shall also carry out Ambient Air Quality Monitoring and submit the analysis report quarterly to this office.
33. **The waste having high calorific values shall not be disposed off in landfill.**
34. Separate area shall be earmarked for storing the waste and storage area may consist of different cells for storing different types of hazardous wastes.
35. Proper records with regard to the type of wastes as well as the location of the wastes that have been stored need to be maintained.
36. Ignitable, reactive and non-compatible wastes shall be stored separately and never shall be stored in the same storage area to ensure safety of the public, workers and facility.
37. Adequate storage capacity shall be provided in the premises.
38. No open storage is permissible and the designated hazardous waste storage area shall have proper enclosures, including safety requirements.
39. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area may be provided with concrete pavement and / or welded iron sheet depending on the characteristics of the waste handled.
40. Storage area shall be designed in such a way that the floor level is sufficiently above the maximum flood level.
41. Proper stacking of drums with wooden frames shall be practiced. Drums shall be stored in such a way that each container can be inspected for signs of leaks or deterioration if any. Leaking or deteriorated containers shall be removed and ensured that such contents are transferred to a safe container.
42. In case of spills / leaks, cotton shall be used for cleaning instead of water. Measures to be taken to prevent entry of runoff into the storage area. Proper slope with collection pits be provided so as to collect the spills.
43. Signboards showing precautionary measures to be taken, in case of normal and emergency situations shall be displayed at appropriate locations.
44. To the extent possible, manual operations within storage area are to be avoided. In case of personnel use, proper precautions need to be taken, particularly during loading / unloading of liquid hazardous waste in drums.
45. A system for inspection of storage area to check the conditions of the containers, spillages, leakages etc. shall be established and proper records shall be maintained.
46. The unit shall take major precaution for storing hazardous waste in waste storage area.
47. The wastes shall be stored only for a limited time period in the storage areas.
48. Storage sites should have appropriate emergency response equipment for the hazardous waste stored on site (Smoke detectors as well as the fire protection & fire protection equipments shall be arranged at suitable locations in adequate numbers in and around the storage area).
49. Prevention of fire hazards at TSDF site and major precautions shall be taken in order to prevent fire hazard. The unit shall make adequate arrangement for fire fighting and other accidents in the facility.

50. Quantity of incinerable hazardous wastes to be stored at TSD site for incineration only when the hazardous waste incinerator installed by the unit. The unit shall maintain the operating and emission standard of common hazardous waste incineration and submit the analysis report to this office.
51. The wastes containing volatile solvents or other low vapor pressure chemicals should be adequately protected from direct exposure to sunlight.
52. Only persons authorized to enter and trained in hazardous waste handling procedures should have access to the storage site.
53. The unit shall provide green belt at the periphery of the site.
54. The authorization is subjected to the conditions mentioned above and also to such conditions as may be specified in the rules from time to time in force under the Environment (Protection) Act 1986.

By Order
(Vineet Kumar) IFS
Member Secretary, HPSPCB