



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

SPEED POST

F.No.B-29016(SC)/1(55-115)/15/HWMD/

September 15, 2015

To

✓ M/s Shivalik Solid Waste Management Ltd.
Vill. Majra, P.O. Dabhota, Tehsil. Nalagarh,
Distt.- Solan (H.P)

Sub.: Conditional approval for utilization of the hazardous wastes as a supplementary resource, energy recovery or after processing –regarding

Sir,

This has reference to your application for renewal of the permission granted under Rule 11 of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008. The application has been examined and accordingly, a conditional permission is hereby accorded subject to compliance of SoPs and check-list to M/s Shivalik Solid Waste Management Ltd., Village. Majra, P.O. Dabhota, Tehsil Nalagarh, Distt.Solan (H.P) (herein after referred as unit), for utilization of contaminated containers/drums/barrels (Sl. No. 33.3 of the Schedule I of the HWM Rules 2008) for further reuse, subject to compliance of the provisions of the Environment (Protection) Act, 1986 including the following:

Terms & Conditions for utilization

1. The permission is valid only for utilizing 2400 drums/month generated from pharmaceuticals, food processing, cosmetic, textile, paint formulation and beverages industries not having the constituents exhibiting characteristics of Class E2, E4 and E5 of Schedule II of HWM Rules, 2008 and also does not liberate toxic gases in contact with air or water. Prior permission has to be obtained for utilizing any other hazardous waste or adopting any other manufacturing process.
2. The procurement of the contaminated containers/drums/barrels and commence of utilization shall not be carried out unless the unit complies with the enclosed Standard Operating Procedures, Check List and obtain authorization from the concerned State Pollution Control Board as required under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, for packaging, storage, handling, transportation, collection, utilization of contaminated containers/drums/barrels, etc. as applicable.
Further, the procurement & utilization of aforesaid contaminated containers/drums/barrels shall not be carried out unless the unit possesses valid consents under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and authorization under the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008.
3. The procurement of 1st batch of the contaminated containers/drums/barrels shall be informed to this office and CPCB Zonal Office through fax/email i.e. hwmd.cpcb@nic.in or 011-22307643 and cpcb Lucknow@airbroadband.in
4. It shall be ensured that the contaminated containers/drums/barrels are procured from the units, who have valid authorization for the same from the concerned State Pollution Control Board as required under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008.

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‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

5. The unit shall plan collection, transportation, storage, handling, and utilization of contaminated containers/drums/barrels in such a way that compliance of provision of the Rule 7 of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, is ensured at any given time.
For transportation of proposed hazardous wastes to be utilized, manifest system as per the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008 and guidelines of CPCB shall be followed.
6. Apart from the standards stipulated in SoPs, the emission/discharge standards prescribed by the concerned State Pollution Control Board under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, shall be complied with. Further, the unit shall ensure compliance of the conditions stipulated in the consents under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and authorization under the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, during the process of utilizing the contaminated containers/drums/barrels.
7. The unit shall maintain record of contaminated containers/drums/barrels procured and residue generated as per the Form 3 & shall file annual returns in Form 4 as per Rule 22 (1) and (2) of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, to Himachal Pradesh State Pollution Control Board.
8. A log book with information on source and date of procurement of contaminated containers/drums/barrels, quantity, date wise utilization, quantity of drums cleaned, hazardous waste generation, if any, etc. shall be maintained including analysis report of emission monitoring &, effluent discharge as applicable.
9. As per SoPs, the unit shall submit periodic information on contaminated containers/drums/barrels consumed, its source, drums cleaned or resources conserved (specifying the details like type and quantity of resources conserved such as coal, fuel oil, minerals etc.) alongwith report on effluent/emission monitoring for specified parameters & as per the schedule specified in SoPs.
10. During the process of utilization and handling of contaminated containers/drums/barrels, the unit shall comply with the requirements in accordance with the Public Liability Insurance Act, 1991 as amended, wherever applicable.
11. The contaminated containers/drums/barrels procured as per this approval letter shall not be traded or transferred to any trader/other party/ other industry. The said contaminated containers/drums/barrels shall be utilized only by the unit in its own premise or disposed (whenever situation arises) only at authorized facility or as authorized by the concerned State Pollution Control Board/ Pollution Control Committee. Further, this approval is non-transferable.
12. CPCB under the provision of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, may review / impose additional conditions or revoke, change or alter any of the terms and conditions.



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13. In case of any violation of the stipulated conditions, the permission shall be withdrawn at any time and action shall be initiated as per the provisions of the Environment (Protection) Act, 1986.

Yours faithfully,



(A. B. Akolkar)
Member Secretary

Encl.: as above
Copy to:

1. The Member Secretary
H. P. State Pollution Control Board
Him Parivesh, Phase-III,
New Shimla-171009

With a request:

(i) To Issue authorization under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008/ consents to operate under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981, only after verifying the utilization process, SOPs, checklist and aforesaid conditions.

(ii) That the unit may be monitored quarterly during the initial 2 years of operation followed by random checks in subsequent years and submit report to CPCB in case of any violations, please.

2. The Incharge
Central Pollution Control Board,
Parivesh Bhawan,
Opp. VMC Ward Office No. 10,
Subhanpura, Vadodara – 390023

With a request to verify the utilization process, SOPs, checklist and other said conditions including of consent to operate/authorization preferably within a period of 3 months after receipt of intimation about procurement of contaminated drums by the unit and submit report to CPCB in case of any violations, please.


The unit may be monitored quarterly during the initial 2 years of operation followed by random checks in subsequent years.

(A. B. Akolkar)

बी. विनोद बाबू / B. Vinod Babu
वैज्ञानिक "ई" / Scientist "E"
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
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Parivesh Bhawan, East Arjun Nagar
दिल्ली / Delhi-110032

Standard Operating Procedure for cleaning of contaminated drums/containers/ barrels for re-use

- (1) The unit shall procure only those drums for washing whose contents are compatible with cold water/hot water/detergents/caustic solutions and do not react or become spontaneously flammable or give off flammable/toxic gases in contact with the same.
- (2) The transportation of the aforesaid drums shall be carried out in vehicles after obtaining authorization from the concerned State Pollution Control Board under the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008, with requisite safeguards ensuring no pilferage of the wastes or leachates, if any.
- (3) The unit shall provide separate covered storage area for both contaminated containers and cleaned containers so as to eliminate rain water intrusion. Further, the sheds shall have proper slope and spillage collection pit so as to collect spillages/floor washings. The collected spillages/floor washings shall be channelized to Effluent Treatment Plant for their treatment.
- (4) The manifest system and logbook should be maintained. Labeling should be done on all contaminated drums indicating source, date of receipt and chemicals/ hazardous waste which were stored.
- (5) The unit shall ensure that prior to cleaning of contaminated containers/drums/barrels; the left-over or residual material in the drums is safely transferred into a separate container for storage and disposal at common Treatment Storage and Disposal Facility (TSDF).
- (6) During the first stage of washing i.e cleaning with hot water with caustic solution up to 2% concentration or adequate quantity of detergent. There should be two stage cleaning i.e. caustic /surfactants (detergent) cleaning followed by fresh water cleaning.
- (7) For washing of the drums/containers in both stages, the number of nozzles in 1 HP pump shall not exceed 03.
- (8) The nozzles should have multiple jets to ensure that water jets hit entire inner surface of the containers.
- (9) The unit shall provide parapet wall along the container storage and washing area with proper slope and collection pit for channelization to Effluent treatment plant for further treatment.
- (10) There should be a separate area with provision of hose pipe with spray nozzle for washing outer surface of the containers alongwith proper slope, periphery drainage, and collection pit followed by channelization to Effluent Treatment Plant for their treatment .
- (11) The unit should regulate the flow to the evaporator based on heating capacity of the evaporator.


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वैज्ञानिक "ई" / Scientist "E"
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- (12) The vent of vacuum pump of the evaporator should be elevated at least up to 6 mtr above the roof level.
- (13) The effluent generated shall be forced evaporated and /or Physico-chemically treated by neutralization, coagulation, sedimentation, aeration, and filtration for recycling in the washing process, as applicable.
- (14) The unit shall become member of Common Effluent Treatment Plant (CETP) and send their effluent for final treatment and disposal to CETP. Incase of non-availability of CETP, the unit should ensure zero discharge by recycling in the washing process and finally through forced evaporation of the effluent
- (15) Water flow meter at the inlet to evaporator and at the inlet to ETP shall be installed.
- (16) The labels on the drums/containers should be removed (preferable with a paint) and the cleaned containers should be labeled with following prominent indelible text

“Drum Cleaned by: M/s _____; Date: _____”

“For industrial use only

NOT for storing any food material”


- (17) The above labeling is not applicable in case the cleaned drums are shredded and re-cycled.
- (18) The unit shall ensure that the cover of the MS drum should also be cleaned and mutilated. The said cleaned & mutilated cover for recycling may be sold as scrap to authorized party.
- (19) The unit shall ensure that all personnel involved in the plant operation shall wear proper personal protective equipments such as masks, safety gloves, goggles, safety shoes etc.
- (20) The monitoring of the effluent for the parameters specified in the Consent issued by the concerned State Pollution Control Board (SPCB)/ Pollution Control Committee (PCC) shall be carried out quarterly through NABL/EPA accredited laboratory and report shall be submitted quarterly to the concerned the SPCB/ PCC and CPCB.
- (21) The unit shall submit monthly and annual information on quantity of drums procured & cleaned and its source, mode of cleaning the drum (i.e. detergent/caustic solution), quantity of waste water generated, treated & recycled and residue generated ((i.e. left over residue, Evaporator residue & ETP Sludge) or resources conserved (specifying the details like type and quantity of resources conserved) to CPCB and concerned SPCB/PCC. Such monthly and annual information shall reach to CPCB after 15th day of preceding month and by April 30th of preceding financial year.
- (22) The residue generated from the drums, evaporator and sludge generated from ETP shall be packaged and temporarily stored in a dedicated hazardous waste storage area and sent to TSDF within 90 days from generation of the waste as per the conditions stipulated under consent/authorization issued by concerned SPCB. Such hazardous waste shall be stored under covered shed with proper ventilation



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Checklist of Minimal Requisite Facilities for Utilization of cleaning of contaminated drums/containers/ barrels for re-use

S.No	Requisite Facilities
1.	Separate covered storage area for both contaminated containers and cleaned containers with proper slope and spillage collection pit and channelizing to ETP.
2.	Size/capacity of storage sheds to be adequate to store at least three days requirement of contaminated drums
3.	Two stage cleaning facility (i.e. hot water with caustic solution/ detergent followed fresh water cleaning)
4.	Parapet wall along the container storage and washing area.
5.	Number of nozzles for 1 HP pump shall not exceed 03.
6.	Multiple jets to ensure that water jets hit entire inner surface of the containers.
7.	Separate area with provision for washing outer surface of the containers with periphery drainage, adequate slope and collection pit and channelizing to ETP.
8.	Effluent Treatment Plant and/or Forced Evaporator of adequate capacity
9.	Sludge drying Bed of adequate size
10.	Zero discharge by evaporation of the effluent and/ or recycling in the washing process or member of Common Effluent Treatment Plant
11.	Water flow meter at the inlet to evaporator and at the inlet to ETP.
12.	Vent of vacuum pump (if any) elevated at least up to 6 mtr above the roof level.
13.	Separate covered hazardous waste storage area to store hazardous waste generated during the utilization process viz. left over residues from contained drums, residue from forced evaporator and ETP sludge.


बी. विनोद बाबू / B. Vinod Babu
 वैज्ञानिक "ई" / Scientist "E"
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