

**SPEED POST**

File No. CP-21/15/2021-WM-II-HO-CPCB-HO/

May 19, 2022

To

**The Member Secretary**  
SPCBs/PCCs (as per list enclosed)

**Sub: Standard Operating Procedures (SoPs) for utilization of hazardous wastes under Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) (HOWM) Rules, 2016 –Reg.**

Sir/Madam,

Central Pollution Control Board (CPCB) has developed 08 new SoPs and revised 03 existing SoPs for utilization of hazardous wastes after evaluating the proposals under Rule 9 of HOWM Rules, 2016.

As you may be aware that CPCB has developed 72 SoPs for utilization of various types of hazardous waste and these SoPs are available on CPCB website <https://cpcb.nic.in/sop-for-hw-specific/>.

The details of 08 new and 03 revised SoPs for utilization of hazardous wastes are given below:

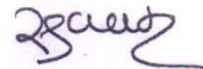
- i. Utilization of LD/GCP Sludge, LD/GCP Clarifier Sludge and Blast Furnace Flue Dust (Hazardous Waste Category 35.3 of Schedule-I of HOWM Rules, 2016) for manufacturing of LD Sludge agglomerates [73<sup>rd</sup> SoP].
- ii. Utilization Aluminium Dross & its residues (Hazardous Waste Category 11.5 of Schedule-I of HOWM Rules, 2016) for recovery of Aluminium metal and manufacturing of Aluminium oxide briquette [74<sup>th</sup> SoP].
- iii. Utilization of used oil and Off-specification products (Shampoo, Detergent and Creams) (Hazardous Waste Category 5.1 and 28.4 of Schedule-I of HOWM Rules, 2016 respectively) for recycling [75<sup>th</sup> SoP].
- iv. Utilization of ETP Sludge (Hazardous Waste Category 35.3 of Schedule-I of HOWM Rules, 2016) of fertilizer industry in manufacturing of Di-Ammonium Phosphate (DAP)/NPK Fertilizer. [76<sup>th</sup> SoP].
- v. Utilization of Spent Aluminium Chloride (Hazardous Waste Category Sr. No: 10, Class – B of Schedule – II of HOWM Rules, 2016) (generated from manufacturing of CPC Green - 7 and Pigment Phthalocynine Green) as a coagulant in CETP [77<sup>th</sup> SoP].
- vi. Utilization of Spent Calcium Hypochlorite (Hazardous Waste Category Sr. No: 7, Class – B of Schedule – II of HOWM Rules, 2016) (generated during manufacturing of High Strength Bleach Powder) as neutralizing agent in ETP [78<sup>th</sup> SoP].

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- vii. Utilization of Spent Ammonia Liquor (Hazardous Waste Category 29.1 of Schedule-I of HOWM Rules, 2016) (generated during manufacturing of Pesticide products) in manufacturing of Liquor Ammonia [79<sup>th</sup> SoP].
- viii. Recovery of Caffeine (Hazardous Waste Category 28.1 of Schedule-I of HOWM Rules, 2016) from Caffeine Liquor (Containing Caffeine < 2.5 %) [80<sup>th</sup> SoP].
- ix. Utilization of Spent Aluminium Chloride (Hazardous Waste Category 26.3 of Schedule-I & Class B-10 - Halogen containing compound & Class C-2 of Schedule II of HOWM Rules, 2016) (generated during manufacturing process of dye & dye intermediates, pharmaceuticals & pesticide industries) in manufacturing of Aluminium Hydroxide Chloride/Poly Aluminum Chloride [Revised 43<sup>rd</sup> SoP].
- x. Utilization of Spent Acid (HCl and H<sub>2</sub>SO<sub>4</sub>) (Hazardous Waste Category 26.3 Schedule I & Inorganic acid mentioned at Sl. No. 15 in the foot note of Schedule II) (generated from dye & dye intermediates industries and chemical manufacturing industries) as neutralizing agent in Effluent Treatment Plant (ETP)/Common Effluent Treatment Plant (CETP) [Revised 49<sup>th</sup> SoP].
- xi. Utilisation of Tarry Residue Waste and Coal Tar Sludge (Hazardous Waste Category 35.1 of Schedule-I of HOWM Rules, 2016) for production of Naphthalene Oil, Creosote Oil (Heavy & Light), Anthracene Oil and Coal Tar Pitch [Revised 52<sup>nd</sup> SoP].

It is requested to please ensure that the authorisations shall be granted by the SPCBs/PCCs in accordance to the said SoPs and provisions under the HOWM Rules, 2016.

Yours faithfully,



(Arekatla Sudhakar)  
Division Head  
Waste Management-II

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List of 20 SPCBs & PCCs

1.	The Member Secretary Andhra Pradesh Pollution Control Board D. No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada – 520 010, Andhra Pradesh	2.	The Member Secretary Arunachal Pradesh Pollution Control Board Department of Environment & Forests, Paryavaran Bhawan, Yupia Road, Papu Nalah, Naharlagun- 791110, Arunachal Pradesh
3.	The Member Secretary Assam Pollution Control Board Bamunimaiden, Guwahati – 781021 Assam	4.	The Member Secretary Goa Pollution Control Board Nr. Pilerne Industrial Estate, Opp. Saligao Seminary, Saligao-Bardez- 403511, Goa
5.	The Member Secretary J&K Pollution Control Committee, Parivesh Bhawan, Shiekh-ul-Campus, behind Govt. Silk Factory, Raj Bagh, Srinagar (J&K)	6.	The Member Secretary Karnataka State Pollution Control Board, Parisara Bhavana, 1 <sup>st</sup> to 5 <sup>th</sup> Floor 49, Church Street, Bengaluru – 560 001, Karnataka
7.	The Member Secretary Kerala Pollution Control Board Pattom Palace, P.O. Thiruvananthapuram– 695 004, Kerala	8.	The Member Secretary Lakshadweep Pollution Control Committee Lakshadweep Administration, Dept. Of Sc. and Technology & Environment Kavaratti Island-682 555, Lakshadweep
9.	The Member Secretary Manipur Pollution Control Board Near Imphal West D.C. Office Complex, Lamphelpat, Imphal– 795 004, Manipur	10.	The Member Secretary Meghalaya Pollution Control Board Arden- Lumpyngngad Shillong- 793014, Meghalaya
11.	The Member Secretary Mizoram Pollution Control Board New Secretariat Complex, Khatla, Thlanmual Peng, Aizawl– 796001, Mizoram	12.	The Member Secretary Nagaland Pollution Control Board Signal Point, Dimapur- 797112, Nagaland
13.	The Member Secretary State Pollution Control Board, Odisha Paribesh Bhawan, A-118, Nilakantha Nagar, Unit-VIII, Bhubaneswar– 751 012, Odisha	14.	The Member Secretary Puducherry Pollution Control Committee Department of Science, Technology and Environment III <sup>rd</sup> Floor, PHB Building, 5, Anna Nagar– 605005, Puducherry
15.	The Member Secretary Sikkim Pollution Control Board Forest, Environment Wildlife Management Department, Government of Sikkim, Forest Secretariat Annex I, Ground Floor, Deorali, Gangtok -737102, East Sikkim	16.	The Member Secretary Tamil Nadu Pollution Control Board No. 76, Mount Salai Guindy, Chennai – 600 032, Tamilnadu
17.	The Member Secretary Telangana Pollution Control Board Paryavaran Bhawan, A-III Institutional Estate, Sanathnagar Hyderabad – 500018, Telangana	18.	The Member Secretary Tripura Pollution Control Board, Parivesh Bhawan, Pandit Nehru Complex, Gorkhabasti P.O. Kunjaban, Agartala– 799 006, Tripura
19.	The Member Secretary West Bengal Pollution Control Board Paribesh Bhawan, 10A, Block- LA, Sector III, Salt Lake City, Kolkata- 700106, West Bengal	20.	The Member Secretary, Ladakh Pollution Control Committee, Wildlife Office Building, Near Council Secretariat, Opposite Police Station Housing Colony, UT Leh Ladakh – 194101