



HEAD OFFICE
Uttarakhand Pollution Control Board
"Gaura Devi Paryavaran Bhawan"
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Letter No.:- UKPCB/HO/*gen-74-01-2023-1123*

Date: *18/12/2024*

To,

**The Chairman,
Central Pollution Control Board,
East Arjun Nagar, Delhi.**

Sub: - Annual Report under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016-reg.

Sir,

With reference to the above-mentioned subject, please find enclosed Annual Report under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, as stipulated under Rule 20 (3) of the said rules for the year 2022-23.

Encl. as above

(S.K. Pattnaik)
Member Secretary

o/c
File

Submission of Annual Inventory of Hazardous and Other Waste Management

Name of SPCB: Uttarakhand Pollution Control Board

Year: 2022-23

A1. Details of Hazardous Waste Generation

S. No.	Name of the District	Total Number of HW Generating Industry	Num ber of Units posse ssing autho risati on	Number of Units exempte d from obtainin g Authoris ation	Numb er of HW Units submit ted annua lly retur ns	Authorized Quantity of Hazardous Waste (Metric Tonne)				Total Quan tity	*Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne)				Total Quant ity	Details on Import and Export of Hazardous Waste			
						Landfillable	Incinerable	Recyclable	Utilizable		Landfillable	Incinerable	Recyclable	Utilizable		Quant ity of HW impor ted durin g the year (MT)	Typ e of HW	Quantit y of HW exporte d during the year (MT)	Type of HW
					1	2	3	4	5	6	7	8	9	10	11	12	13		
1	Nainital	185	185	0	62	544.78	4.62	424.75	10	984.15	52.581	0.228	5.826	8.5	0	Nil	0	Nil	
2	Almora	50	50	0	5	0	0	1.77	0	1.77	24.780	0	0.23	0	0	0	0	0	
3	Bageshwar	20	20	0	5	0	0	0.92	0	0.92	Nil	0	0.122	0	0	0	0	0	
4	Pithoragarh	10	10	0	7	0	0	0.52	0	0.52	3.336	0	0.34	0	0	0	0	0	
5	Champawat	16	16	0	5	0	0	0.551	0	0.551	Nil	0	0.4	0	0	0	0	0	
6	Haridwar	2233	2233	0	1697	11743.46	3973.3	14367.18	1142.74	31226.68	1328.354	3054.43	119.97	1135.37	Nil	Nil	Nil	Nil	
7	US Nagar	1381	1312	0	1312	5928	4210	41004.5	2992	54134.5	2056.8644	2125.179	10203.8065	1236.503	Nil	Nil	Nil	Nil	
8	Dehradun	393	393	0	213	510	2.44	14.6	--	527.14	110.101	322.89	10.5	--	Nil	Nil	Nil	Nil	
9	Pauri	117	117	0	32	6.34	7.85	16.1	--	30.39	3.726	12.891	1.409	--	Nil	Nil	Nil	Nil	
10	Tehri	77	77	0	10	2.56	2.131	7.61	--	12.301	1.336	3.286	47.688	--	Nil	Nil	Nil	Nil	

Quantity - MT

File

11	Chamoli	40	40	0	14	--	0.046	0.751	--	0.121 1	Nil	0.221	2.738	--	2.959	Nil	Nil	Nil
12	Rudrapur	23	23	0	12	--	0.51	1.421	--	1.931	0.002	1.876	0.6	--	2.478	Nil	Nil	Nil
13	Uttarkashi	26	26	0	15	--	0.41	0.891	--	1.301	Nil	Nil	Nil	--	Nil	Nil	Nil	Nil
Total		4571	4502	0	3389	187 35.1 4	820 1.30 7	558 41.5 6	41 44 74	8692 2.28	358 1.08 04	552 1.00 1	103 93.6 3	2380 .373	2187 6.08 44	0	0	0

* This shall also include hazardous waste generated during recycling/utilization of hazardous waste imported from other countries as well as received from other states/UTs. However, it shall not include.

A2. Details on Inter-state Movement of Hazardous Waste for Recycling/ Utilisation/ Disposal

S. No.	Hazardous Waste	Hazardous Waste received from other State/UT		Hazardous Waste sent to other State/UT	
		Name of State/UT from which waste received	Quantity received (MT)	Name of State/UT where waste sent (MT)	Quantity sent (MT)
		14	15	16	17
1	For disposal at common secured landfill				
2	For disposal at common Incinerator				
3	For recycling by Schedule IV recyclers			Uttar Pradesh Haryana Rajasthan Punjab	2295.804 57.630 6700.946 50.96
4	For utilization in co-processing (cement plants)			Rajasthan	2529.879
5	For utilization under Rule 9 (other than co-processing)			Rajasthan	27.091

A3. Details on Hazardous Waste Recycled and Utilized

S.No.	Name of the District	Recycling/Utilization of hazardous waste (generated within the State/UT)								Recycling/Utilization of hazardous waste (received from other State/UT)		
		Quantity of waste Recycled (listed under Schedule-IV Hazardous Wastes) (MT)		Quantity Utilized (MT)				Quantity of waste Recycled (listed under Schedule-IV Hazardous Wastes) (MT)	Quantity Utilized (MT)			
				Co-processing in Cement plant		Non-captive utilization based on CPCBs SOPs			Co-processing in Cement plant	Non-captive utilization based on CPCBs SOPs		
		Generated within state	Imported	Generated within state	Imported	Generated within state	Imported	Captive utilization of hazardous waste and Other Wastes for which SOP has not been prepared by CPCB				
		18	19	20	21	22	23	24	25	26	27	
1	Nainital	5.826	0	0	0	0	0	8.5	0	0	0	
2	Almora	0.23	0	0	0	0	0	0	0	0	0	
3	Bageshwar	0.122	0	0	0	0	0	0	0	0	0	
4	Pithoragarh	0.34	0	0	0	0	0	0	0	0	0	
5	Champawat	0.4	0	0	0	0	0	0	0	0	0	
6	Haridwar	128.326	Nil	0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
7	US Nagar	2021.3994	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
8	Dehradun	50.015	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
9	Pauri	1.677	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
10	Tehri	3.757	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
11	Chamoli	3.667	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
12	Rudraparyag	0.6	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
13	Uttarkashi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	
Total		2216.3594	0	0	0	0	0	8.5	0	0	0	

A4. Details on Hazardous Waste Disposed

S.No.	Name of the District	Disposal of hazardous waste (generated within the State/UT)				Disposal of hazardous waste (received from other State/UT)	
		Quantity Disposed in Secured Landfill (MT)		Quantity Disposed through Incinerator (MT)		Quantity Disposed in common (MT)	
		Common	Captive	Common	Captive	SLF	Incinerator
		28	29	30	31	32	33
1	Nainital	52.581	0	0.228	0	0	0
2	Almora	24.780	0	0	0	0	0
3	Bageshwar	Nil	Nil	Nil	Nil	Nil	Nil
4	Pithoragarh	3.336	Nil	Nil	Nil	Nil	Nil
5	Champawat	Nil	Nil	Nil	Nil	Nil	Nil
6	Haridwar	1277.085	Nil	3182.897	Nil	Nil	Nil
7	US Nagar	2120.725	Nil	2191.673	Nil	Nil	Nil
8	Dehradun	123.516	Nil	340.835	Nil	Nil	Nil
9	Pauri	3.594	Nil	13.977	Nil	Nil	Nil
10	Tehri	0.504	Nil	3.297	Nil	Nil	Nil
11	Chamoli	Nil	Nil	0.707	Nil	Nil	Nil
12	Rudrapur	0.002	Nil	1.876	Nil	Nil	Nil
13	Uttarakashi	Nil	Nil	Nil	Nil	Nil	Nil
Total		3606.123	0	5735.49	0	0	0

A5. Details on Hazardous Waste Stored at Occupier Premises

S.No.	Name of the District	Total Quantity of HW stored at Occupier premises at the beginning of the financial year i.e. 1 st April 2022 (MT)				Total Quantity of HW stored at Occupier premises at the end of financial year i.e. 31 st March 2023 (MT)			
		Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable
		34	35	36	37	38	39	40	41
1	Nainital	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
2	Almora	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3	Bageshwar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4	Pithoragarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5	Champawat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
6	Haridwar	9.676	97.739	8.356	Nil	60.945	Nil	6.285	Nil
7	US Nagar	122.79	78	936.275	199.547	58.9294	0.3	14.5956	14.45
8	Dehradun	15.145	2.995	89.284	Nil	2	1.477	89.28	Nil
9	Pauri	2.54	0.601	0.268	Nil	2.672	0.116	Nil	Nil
10	Tehri	0.464	0.01	3.757	Nil	0.648	Nil	Nil	Nil
11	Chamoli	Nil	0.243	0.929	Nil	Nil	Nil	0.639	Nil
12	Rudrapur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
13	Uttarakashi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Total		150.615	179.588	1038.869	199.547	125.1944	1.893	110.7996	14.45

A6. Details on management of Other Waste (Domestically generated and imported)

S.No	Name of the District	Number of units authorized for recycling/utilization of Other Waste (MT)		Authorized capacity (MT)		Quantity of other waste imported from other country (MT)	Basel Number	Name of country	Quantity of other waste exported to other country (MT)	Type and Category	Name of country	Quantity of other waste domestically generated (MT)	Quantity of other waste received from other state (MT)	Quantity of other waste (Schedule III waste B and D) utilized/recycled during the year April-March (MT)		Other waste sent for disposal to Common TSD/ (MT)	Quantity of HW generated during recycling/ utilization of other waste (MT)	Quantity of HW sent for disposal (MT) (as given at 54)	Quantity of other waste stored at Occupiers premises (MT)	
		Other Waste Schedule III- Part B	Other Waste Schedule III- Part D	Other Waste Schedule III- Part B	Other Waste Schedule III- Part D									at the beginning of the financial year	at the end of financial year					
1	Nainital	0	0	0	0	0	46 (i)	46 (ii)	47	47 (i)	47 (ii)	48	49	50	51	52	53	54(i)	55	56
2	Almora	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
3	Bageshwar	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
4	Pithoragarh	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
5	Champawat	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
6	Haridwar	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
7	US Nagar	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
8	Dehradun	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
9	Pauri	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
10	Tehri	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
11	Chamoli	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
12	Rudrapur	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0
13	Uttarakashi	0	0	0	0	0	0	Nil	0	0	Nil	0	0	0	0	0	0	0	0	0

* In case of traders, please provide name of traders, quantity and category of other waste imported and name of actual user to whom the same has been sent.

A7-A. Details of Domestic Hazardous Wastes* Resulting from Enforcement of Other Regulation

S.No.	Name of the District	Name and Address of deposition centres authorized for collection	Authorized capacity (MT)	Quantity of domestic HW received at deposition centres (MT)	Quantity of domestic HW sent for recycling/utilization (MT)	Quantity of domestic hazardous waste sent to common TSDF (MT)		Quantity of domestic hazardous waste stored at deposition centres (MT)	
						SLF	Incinerator	at the beginning of the financial year i.e. 1 st April	at the end of financial year i.e. 31 st March
		57	58	59	60	61	62	63	64
1	Haridwar	0	0	0	0	0	0	0	0
2	Nainital	0	0	0	0	0	0	0	0
3	Almora	0	0	0	0	0	0	0	0
4	Bageshwar	0	0	0	0	0	0	0	0
5	Pithoragarh	0	0	0	0	0	0	0	0
6	Champawat	0	0	0	0	0	0	0	0
7	US nagar	0	0	0	0	0	0	0	0
8	Dehradun	0	0	0	0	0	0	0	0
9	Pauri	0	0	0	0	0	0	0	0
10	Tehri	0	0	0	0	0	0	0	0
11	Chamoli	0	0	0	0	0	0	0	0
12	Rudrapur	0	0	0	0	0	0	0	0
13	Uttarakashi	0	0	0	0	0	0	0	0

* Please refer section 3.1.4 of the guidelines for preparation of inventory of hazardous waste management

A7-B. Details of Fluorescent and Other Mercury containing lamps* resulting from Enforcement of Other Regulation

S.No.	Name of the District	Name and Address of collection centers authorized for collection	Authorized capacity (MT)	Quantity of waste received at collection centers during the year April-March (MT)	Quantity of waste sent for recycling/utilization (MT)	Quantity of waste sent to common TSDF	Quantity of hazardous waste stored at collection centres (MT)	
							at the beginning of the financial year i.e. 1 st April	at the end of financial year i.e. 31 st March
		65	66	67	68	69	70	71
1	Nainital	0	0	0	0	0	0	0
2	Almora	0	0	0	0	0	0	0
3	Bageshwar	0	0	0	0	0	0	0
4	Pithoragarh	0	0	0	0	0	0	0
5	Champawat	0	0	0	0	0	0	0
6	Haridwar	0	0	0	0	13.727	0	0
7	US Nagar	0	0	0	0	0	0	0
8	Dehradun	0	0	0	0	0	0	0
9	Pauri	0	0	0	0	0	0	0
10	Tehri	0	0	0	0	0	0	0
11	Chamoli	0	0	0	0	0	0	0
12	Rudrapur	0	0	0	0	0	0	0
13	Uttarakashi	0	0	0	0	0	0	0

A8. Details of waste collectors

S. No.	Name of the District	Name and Address of waste collectors	Authorized capacity (MT)	Quantity of waste received at collection centres)		Quantity of waste sent for recycling/ utilization (MT)		Quantity of waste sent to common TSDF during financial		Quantity of waste stored at beginning of the year financial year i.e. 1st April (MT)		Quantity of waste stored at end of the year financial year i.e. 31st March (MT)	
				Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste
		72	73	74	75	76	77	78	79	80	81	82	83
1	Nainital	0	0	0	0	0	0	0	0	0	0	0	0
2	Almora	0	0	0	0	0	0	0	0	0	0	0	0
3	Bageshwar	0	0	0	0	0	0	0	0	0	0	0	0
4	Pithoragarh	0	0	0	0	0	0	0	0	0	0	0	0
5	Champawat	0	0	0	0	0	0	0	0	0	0	0	0
6	Haridwar	0	0	0	0	0	0	0	0	0	0	0	0
7	US Nagar	0	0	0	0	0	0	0	0	0	0	0	0
8	Dehradun	0	0	0	0	0	0	0	0	0	0	0	0
9	Pauri	0	0	0	0	0	0	0	0	0	0	0	0
10	Tehri	0	0	0	0	0	0	0	0	0	0	0	0
11	Chamoli	0	0	0	0	0	0	0	0	0	0	0	0
12	Rudrapur	0	0	0	0	0	0	0	0	0	0	0	0
13	Uttarakashi	0	0	0	0	0	0	0	0	0	0	0	0

B. Annual Inventory on Recycling / Utilization/Pre-processing/Co-Processing of Hazardous and Other Waste

S. No	Type of Recycling Facilities	No of Facilities authorized for recycling / utilization / Pre-processing/ Co-processing of HW (MT)	Total Authorized Capacity (MTA)	Quantity Recycled/ Utilized/ Pre-processed/ Co-processed (MT) during the year	
				Imported Quantity	Other than imported quantity
A	Commonly Recyclable HW	84	85	86	87
1	Brass Dross	0			
2	Zinc Bearing Wastes	0			
3	Copper Bearing Waste	0			
4	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt	0			
5	Lead bearing waste including battery waste	4	58200		28209.05
6	E-Waste	5	153043.06		57309.01
7	Paint and ink Sludge/residues				
8	Used oil	1			
9	Waste Oil	1			
10	Aluminium Scrap	1			
11	Solder Dross				
	Total				
B	Non-captive utilization based on CPCBs SOPs				
1	Recovery of solvents from spent solvents				
2	Utilization of APCD Dust / Residue generated from LD Furnace/EAF/Blast Furnace for producing cold briquettes for use in Blast Furnace for production of Pig Iron				

3	Utilization of Spent Catalyst - to recover - Platinum, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver				
4	Utilization of Spent H ₂ SO ₄ generated form Pickling operations for manufacturing Ferrous Sulphate				
5	Utilization of Spent Acid containing Molybdenum generated from filament industries for producing Molybdenum Trioxide by heating process				
6	De-contamination of contaminated drums/containers/barrels	8	7,38,000 no./ annum + 2400 MTA		
	Total				
C	Captive utilization of hazardous and other wastes for which SOP has not been prepared by CPCB				
1	Century Pulp & Paper (Cat-5.1)	1	10	8.5	
	Total	1	10	8.5	
D	Pre-processing of hazardous and other waste				
E	Co-processing in Cement Plants				
	Total				

** All E-waste sent to E-waste dismantling/Recycling facility

C. List of Authorized Recyclers / Utilizers / Pre-processors/ Co-processors of Hazardous Waste

S.No	Name and Address of the Facility	Type of Hazardous Waste authorised for recycling/ utilization/ co-processing	Authorized Recycling / Utilization / Co-Processing Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT)		
				Imported	Other than imported	
		88	89	90	91	
A	List of Authorized Recyclers of hazardous waste					
1	Vimal Petrothin Pvt Ltd, IP-15-A Raipur Sahakari Audhyogic Kshetra, Raipur	Lead Bearing residue and Lead acid batteries	24900	--	21139	
2	Tanya Engineers, Khasra no. 2014, Raipur Industrial Area, Bhagwanpur	Lead Bearing residue and Lead acid batteries	4800	--	155.3	
3	Shahid Metal Alloys, Khasra No-353, Raipur Industrial Area, Bhagwanpur	Lead Bearing residue and Lead acid batteries	4500	--	732	
4	Jay Ace Technologies Ltd. Kh. No. 92,93,94 & 95, Raipur Industrial Area, Bhagwanpur	Lead Bearing residue and Lead acid batteries	24000	--	6182.75	
5	M/s Global Environmental Solutions, gadarpur	Used Oil/ Waste Oil/ contaminated barrels	Used Oil- 33,600 MTA Contaminated barrel- 1,50,000 no./annum	--	419.453	
6	M/s prime plast	contaminated barrels	60,000 nos./annum		152.75 MTA	

	packaging, Rudrapur					
7	M/s Himalay Enterprises	contaminated barrels	78,000 nos./annum			150.0559
8	M/s Root Recycling, Roorkee, Haridwar	contaminated barrels	5000 nos./month			
9	M/s Uttarakhand Waste Management	contaminated barrels	20,000 no/ month			
10	M/s M.K. Industries	contaminated barrels	7,500 no./ month			
11	M/s VSK Waste Management	contaminated barrels	5000 no./month			
12	M/s Bharat Oil and Waste Management Ltd	contaminated barrels	2400 MT/ year			
13	M/s Vinita Metal Pvt Ltd	Aluminium Scrap	3000 Ton (Import)			
14	M/s Cosmos Ferrous (p) Ltd	MS Scrap	20,000 (Import)			
B	List of Authorized Utilizers (under Rule 9) of hazardous and other wastes					
	Total					
C	List of Authorized Utilizers (under captive utilization) of hazardous and other wastes					
1	Century Pulp & Paper (Cat-5.1)	Used Oil	10		8.6	
	Total					
D	List of Authorized Pre-processors of hazardous and other wastes					
1						

D2. Details on Captive TSDF (s)

S. No.	Name and Address of Captive facility	Type of facility (landfillable/ Incinerator/ both)	Capacity		HW disposed during the year (MT)		Cumulative HW disposed till the end of financial year (MT)	
			Incinerator (MT/A)	Landfill (MT/A)	SLF	Incinerator	SLF	Incinerator
110		111	112	113	114	115	116	117
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

D3. Details on Common TSDF(s) involved in disposal of Domestic Hazardous Waste and Fluorescent and Other Mercury containing lamps

S.No	Name and Address of the TSDFs involved in disposal of domestic Hazardous waste and Fluorescent and other mercury containing lamps	Quantity of domestic HW received	Name and address of deposition center from where such waste received	Quantity of fluorescent and other mercury containing lamps received	Name and address of collection centre where waste received	Quantity of Hazardous Waste Disposed (MT)		Quantity of waste stored (MT)			
						Domestic HW	Fluorescent and other mercury containing lamps	Quantity of waste stored (MT)		Fluorescent and other mercury containing lamps	
								at Occupier premises at the beginning of the financial year	at Occupier premises at the end of financial year	at the beginning of the financial year	at the end of financial year
118		119	120	121	122	123	124	125	126	127	128
1.	Bharat Oil & waste Management Ltd, Roorkee	Nil	Nil	13.727	Industries of Uttarakhand	Nil	13.727	Nil	Nil	Nil	Nil