

UTTARAKHAND POLLUTION  
CONTROL BOARD  
46B, IT Park, Sahastradhara Road,  
Dehradun (Uttarakhand)



उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड  
46बी, आईटी० पार्क, सहस्रधारा रोड,  
देहरादून (उत्तराखण्ड)

E-mail: [msukpcb@yahoo.com](mailto:msukpcb@yahoo.com); Web: [www.ueppcb.uk.gov.in](http://www.ueppcb.uk.gov.in)

UEPPCB/HO/ 61en-711-1/2022/1023,

Date: 21/9/22.

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 2021-22.

This is for your perusal and further necessary action please.

Encl. as above

Your's faithfully

  
(S.P. Subudhi) I.F.S.  
Member Secretary

O/c  


# Submission of Annual Inventory of Hazardous and Other Waste Management

Name of SPCB: Uttarakhand Pollution Control Board

Year: 2021-22

## A1. Details of Hazardous Waste Generation

S. No.	Name of the District	Total Number of HW Generating Industry	Number of Units possessing authorisation	Number of Units exempted from authorisation	Number of HW Units submitted annually for return	Authorized Quantity of Hazardous Waste (Metric Tonne)				Total Quantity	*Quantity of Hazardous Waste generated as per Annual Return within the State/UT (Metric Tonne)				Total Quantity	Details on Import and Export of Hazardous Waste			
						Landfillable	Incinerable	Recyclable	Utilizable		Landfillable	Incinerable	Recyclable	Utilizable		Quantity of HW imported during the year (MT)	Type of HW	Quantity of HW exported during the year (MT)	Type of HW
1	Nainital	181	178	3	61	544.78	4.62	424	10	983.4041	2.4096	0	5.494	8.6	16.5036	0	0	0	0
2	Almora	50	50	0	4	0	0	1.75	0	1.75	0	0	0.015	0	0.015	0	0	0	0
3	Bageshwar	21	20	1	4	0	0	0.92	0	0.92	0	0	0.022	0	0.022	0	0	0	0
4	Pithoragarh	10	10	0	7	0	0	0.32	0	0.32	0	0	0.2	0	0.2	0	0	0	0
5	Champurawat	13	13	0	4	0	0	0.21	0	0.21	0	0	0.4	0	0.4	0	0	0	0
6	Haridwar	2184	2184	Nil	1662	1172.029	3952.7	1434.358	112.475	31.141.33	1055.396	2904.588	372.312	1103.263	5.435.56	0	0	0	0
7	U.S. Nagar	1334	1265	Nil	1265	5928	4210	4097.8	298.5	5410.1	1500.88	2444.04	1022.5.11	1620.502	1579.053	0	0	0	0
8	Dehradun	393	393	644	261	510	294	146	0	950	98.62	215.1	17.8		331.52	0	0	0	0
9	Pauri	117	117	272	32	6.314	7.853	16.1	0	25.9	1.621	1.31	1.61		4.541	0	0	0	0
10	Tehri	77	77	132	17	2.56	2.131	7.61	0	12.3	1.61	2.627	0.561		4.798	0	0	0	0

*Handwritten signature*



11	Chamoli	40	40	129	13	0	0.46	0.751	0	1.211	0	0	0	0	0	0	0	0
12	Rudrapur g	23	23	49	9	0	0.51	1.421	0	1.931	0	0	0	0	0	0	0	0
13	Uttarakashi	26	26	117	8	0	0.41	0.891	0	1.301	0	0	0	0	0	0	0	0
Total		4469	4396	1347	3347	1871	8472.	5592	411	8722	2660.	5568.	1062	2732	2158	0	0	0
						1.94	684	1.55	9.75	5.931	537	196	5.14	.365	6.24			

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

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

S. No.	Hazardous Waste	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- Himachal Pradesh- Rajasthan-	667.876 78.756 13
4	For utilization in co-processing (cement plants)				
5	For utilization under Rule 9 (other than co-processing)				

*File*

### 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)				Captive utilization of hazardous waste and Other Wastes for which SOP has not been prepared by CPCB	Quantity of waste Recycled (listed under Schedule-IV Hazardous Wastes) (MT)	Quantity Utilized (MT)				
		Generated within state	Imported	Generated within state	Imported	Non-captive utilization based on CPCBs SOPs	Co-processing in Cement plant			Non-captive utilization based on CPCBs SOPs				
		18	19	20	21	22	23	24	25	26	27			
1	Nainital	5.494	0	0	0	0	0	8.6	0	0	0			
2	Almora	0.015	0	0	0	0	0	0	0	0	0			
3	Bageshwar	0.022	0	0	0	0	0	0	0	0	0			
4	Pithoragarh	0.2	0	0	0	0	0	0	0	0	0			
5	Champanawat	0.4	0	0	0	0	0	0	0	0	0			
6	Haridwar	372.312	0	1103.236	0	0	0	0	0	0	0			
7	US Nagar	10225.11	0	0	0	0	0	0	0	0	0			
8	Dehradun	17.8	0	0	0	0	0	0	0	0	0			
9	Pauri	1.61	0	0	0	0	0	0	0	0	0			
10	Tehri	0.561	0	0	0	0	0	0	0	0	0			
11	Chamoli	0	0	0	0	0	0	0	0	0	0			
12	Rudrapur	0	0	0	0	0	0	0	0	0	0			
13	Uttarkashi	0	0	0	0	0	0	0	0	0	0			
	Total	10625.14	0	1103.236	0	0	0	8.6	0	0	0			

10/10



#### 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 28	Captive 29	Common 30	Captive 31	SLF 32	Incinerator 33
1	Nainital	2.4096	0	0	0	0	0
2	Almora	0	0	0	0	0	0
3	Bageshwar	0	0	0	0	0	0
4	Pithoragarh	0	0	0	0	0	0
5	Champanawat	0	0	0	0	0	0
6	Haridwar	1055.396	0	2904.588	0	0	0
7	US Nagar	1558.09	0	2411.04	0	0	0
8	Dehradun	122.1	0	213.01	0	0	0
9	Pauri	2.083	0	1.95	0	0	0
10	Tehri	2.2	0	2.7	0	0	0
11	Chamoli	0	0	0.355	0	0	0
12	Rudrapur	0	0	0	0	0	0
13	Uttarakashi	0	0	0	0	0	0
	<b>Total</b>	<b>2742.279</b>	<b>0</b>	<b>5533.643</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Handwritten signature/initials*

**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 <sup>st</sup> April 2021 (MT)					Total Quantity of HW stored at Occupier premises at the end of financial year i.e. 31 <sup>st</sup> March 2022 (MT)				
		Landfillable	Incinerable	Recyclable	Utilizable		Landfillable	Incinerable	Recyclable	Utilizable	
		34	35	36	37		38	39	40	41	
1	Nainital	0	0	3.8775	0		0	0	0	0	
2	Almora	0	0	0.065	0		0	0	0	0	
3	Bageshwar	0	0	0.042	0		0	0	0	0	
4	Pithoragarh	0	0	0.15	0		0	0	0	0	
5	Champanawat	0	0	0.08	0		0	0	0	0	
6	Haridwar	8.536	78.091	29.237	0		9.676	97.739	8.978	0	
7	US Nagar	180	45	1140	45		122.79	78	936.275	199.547	
8	Dehradun	38.625	0.895	76.654	0		15.145	2.995	89.284	0	
9	Pauri	3.002	1.241	0.298	0		2.54	0.601	0.268	0	
10	Tehri	1.054	0.173	3.547	0		0.464	0.01	3.757	0	
11	Chamoli	0	0.067	2.714	0		0	0.243	0.929	0	
12	Rudrapur	0	0	1.601	0		0	0	0	0	
13	Uttarakashi	0	0	0.825	0		0	0	0	0	
<b>Total</b>		<b>231.217</b>	<b>125.467</b>	<b>1259.0905</b>	<b>45</b>		<b>150.615</b>	<b>160.1</b>	<b>1039.491</b>	<b>199.547</b>	

*Handwritten signature*



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)	Quantity of other waste exported to other country (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 TSDF (MT)	Quantity of HW generated during recycling/ utilization of other waste (MT)	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			Imported	Domestically generated			at the beginning of the financial year	at the end of financial year
1	Nainital	42	43	44	45	46	47	48	49	50	51	52	53
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	Champanawat	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

10/11/20

**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 during April-March (MT)	Quantity of domestic HW sent to common TSDF during the year April-March (MT)	Quantity of hazardous waste stored at deposition centres (MT)	
						at the beginning of the financial year i.e. 1 <sup>st</sup> April	at the end of financial year i.e. 31 <sup>st</sup> March
		54	55	56	57	58	59
1	Haridwar	0	0	0	0	0	0
2	Nainital	0	0	0	0	0	0
3	Almora	0	0	0	0	0	0
4	Bageshwar	0	0	0	0	0	0
5	Pithoragarh	0	0	0	0	0	0
6	Champanawat	0	0	0	0	0	0
7	US nagar	0	0	0	0	0	0
8	Dehradun	0	0	0	0	0	0
9	Pauri	0	0	0	0	0	0
10	Tehri	0	0	0	0	0	0
11	Chamoli	0	0	0	0	0	0
12	Rudrapur	0	0	0	0	0	0
13	Uttarakashi	0	0	0	0	0	0

*Killa*



**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 to common TSDF during the year April-March (MT)	Quantity of waste stored at collection centres (MT)	
						at Occupier premises at the beginning of the financial year i.e. 1 <sup>st</sup> April	at Occupier premises at the end of financial year i.e. 31 <sup>st</sup> March
		60	61	62	63	64	65
1	Nainital	0	0	0	0	0	0
2	Almora	0	0	0	0	0	0
3	Bageshwar	0	0	0	0	0	0
4	Pithoragarh	0	0	0	0	0	0
5	Chamapawat	0	0	0	0	0	0
6	Haridwar	0	0	0	0	0	0
7	US Nagar	0	0	0	0	0	0
8	Dehradun	0	0	0	0	0	0
9	Pauri	0	0	0	0	0	0
10	Tehri	0	0	0	0	0	0
11	Chamoli	0	0	0	0	0	0
12	Rudrapur	0	0	0	0	0	0
13	Uttarakashi	0	0	0	0	0	0

*File*

**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 during the year April-March (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)	
		66		Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste	Hazardous waste	Other waste
1	Nainital	0	67	0	0	0	0	0	0	0	0
2	Almora	0	0	0	0	0	0	0	0	0	0
3	Bageshwar	0	0	0	0	0	0	0	0	0	0
4	Pithoragarh	0	0	0	0	0	0	0	0	0	0
5	Champawat	0	0	0	0	0	0	0	0	0	0
6	Haridwar	0	0	0	0	0	0	0	0	0	0
7	US Nagar	0	0	0	0	0	0	0	0	0	0
8	Dehradun	0	0	0	0	0	0	0	0	0	0
9	Pauri	0	0	0	0	0	0	0	0	0	0
10	Tehri	0	0	0	0	0	0	0	0	0	0
11	Chamoli	0	0	0	0	0	0	0	0	0	0
12	Rudrapur	0	0	0	0	0	0	0	0	0	0
13	Uttarakashi	0	0	0	0	0	0	0	0	0	0

*Page 12*



**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
		76	77	78
<b>A</b>	<b>Commonly Recyclable HW</b>			
1	Brass Dross			
2	Zinc Bearing Wastes			
3	Copper Bearing Waste			
4	Spent catalyst containing nickel, cadmium, Zinc, copper, arsenic, vanadium and cobalt			
5	Lead bearing waste including battery waste	4	58200	10928.752
6	E-Waste	Mentioned in E-waste annual report		
7	Paint and ink Sludge/residues			
8	Used oil	7		
9	Waste Oil	2		
	Recycling of hazardous waste (listed under schedule IV) apart from above and provide relevant details required under the respective columns			
	<b>Total</b>	<b>13</b>	<b>131835</b>	<b>11728.77</b>
<b>B</b>	<b>Non-captive utilization based on CPCBs SOPs</b>			
1	Recovery of solvents from spent solvents			
2	Utilization of APCD Dust / Residue generated from LD Furnace/EA/F/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 <sub>2</sub> SO <sub>4</sub> generated from Pickling operations for manufacturing Ferrous Sulphate			

*Handwritten signature*

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	3			590.59
	<b>Total</b>	<b>3</b>			<b>590.59</b>
C	<b>Captive utilization of hazardous and other wastes for which SOP has not been prepared by CPCB</b>				
1	Century Pulp & Paper (Cat-5.1)	1	10		8.6
	<b>Total</b>	<b>1</b>	<b>10</b>		<b>8.6</b>
D	Pre-processing of hazardous and other waste				
E	Co-processing in Cement Plants	5			1103.263
	<b>Total</b>	<b>5</b>			<b>1103.263</b>

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

*Page 16*



**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	Authorized Recycling / Utilization / Co-Processing Capacity (MTA)	Quantity Recycled/ Utilized/ Co-processed (MT)
<b>A</b>	<b>List of Authorized Recyclers of hazardous waste</b>		<b>79</b>	<b>80</b>
<b>1</b>	Vimal Petrohin Pvt Ltd, IP-15-A Raipur Sahakari Audhyogic Kshetra, Raipur	Lead Bearing residue and Lead acid batteries	24900	10668.012
<b>2</b>	Tanya Engineers, Khasra no. 2014, Raipur Industrial Area, Bhagwanpur	Lead Bearing residue and Lead acid batteries	4800	36.49
<b>3</b>	Shahid Metal Alloys, Khasra No-353, Raipur Industrial Area, Bhagwanpur	Lead Bearing residue and Lead acid batteries	4500	Nil
<b>4</b>	Jay Ace Technologies Ltd. Kh. No. 92,93,94 & 95, Raipur Industrial Area, Bhagwanpur	Lead Bearing residue and Lead acid batteries	24000	224.25
<b>5</b>	M/s Global Environmental Solutions, gadarpur	Used Oil/ Waste Oil/ contaminated barrels		484.07
<b>6</b>	M/s prime plast packaging, Rudrapur	contaminated barrels		136.35
<b>7</b>	M/s K Nandini Refineries pvt Ltd, Pilibhit	Used oil		0.523
<b>8</b>	F.P. Petro	Used oil		0.309
<b>9</b>	M/s Shubham Machines Pvt Ltd, Ghaziabad, U.P.	Used oil		0.261
<b>10</b>	M/s Bharat Oil and Waste Management	Used oil		9.467
<b>B</b>	<b>List of Authorized Utilizers (under Rule 9) of hazardous and other wastes</b>			
<b>1</b>	Atero Recycling Pvt Ltd, Kh No. 117 Raipur	E-Waste	144000	48773.87

*Handwritten signature/initials*

	Bhagwanpur			
2	Bharat Oil & Waste Management, Mukimpur, Laksar	E-Waste	4500	24.232
3	Resource E-Waste Solution Pvt Ltd, F-97, Bahadrabad	E-Waste	2343.06	2234.687
4	Scarto Metal Recycle Plant, Kh No. 314, Mewar Khurd, Roorkee	E-Waste	1000	460.49
5	Anmol Paryavaran Sarakshan Samiti, Daulatpur, Budhwa Shahid, Banjarewala	E-Waste	1200	15.009
	<b>Total</b>			
C	<b>List of Authorized Utilizers (under captive utilization) of hazardous and other wastes</b>			
1	Century Pulp & Paper (Cat-5.1)	Used Oil	10	8.6
	<b>Total</b>			
D	<b>List of Authorized Pre-processors of hazardous and other wastes</b>			
1				
	<b>Total</b>			
E	<b>List of Authorized Co-processors of hazardous and other wastes</b>			
1				
	<b>Total</b>			

12819



**D1 A. Details on disposal of Hazardous Waste in Common TSDF(s)**

S. No	Name and Address of the TSDF	Quantity in Stock at the beginning of the year (MT)		*Quantity of Hazardous Waste Received (MT)		Quantity of Hazardous Waste Disposed (MT)		Quantity in Stock at the end of the year (MT)		Cumulative HW disposed by the end of financial year (MT)		Capacity		
		Landfill	Incinerable	For landfill	For Incineration	For landfill	Quantity Incinerated	Landfill	Incinerable	SLF	Incinerator	Incinerator (T/H)	Incinerator (Kcal)	Land fill (MT/A)
	83	84	85	86	87	88	89	90	91	92	93	94	95	96
	Bharat Oil & waste Management Ltd, Roorkee													
1.		8.536	78.091	3269.383	5882.17	3269.383	5862.496	9.676	97.739	47717.75	40815.25	1.66	7.5	8000

**D1 B. Details on disposal of Other Waste in Common TSDF(s)**

S.N o	Name and Address of the TSDF	Quantity in Stock at the beginning of the year (MT)		*Quantity of Other Waste Received (MT)		Quantity of Other Waste Disposed (MT)		Quantity in Stock at the end of the year (MT)		Cumulative other waste disposed by the end of financial year (MT)		Capacity		
		Landfill	Incinerable	For landfill	For Incineration	Quantity Landfilled directly	Quantity Incinerated	Landfill	Incinerable	SLF	Incinerator	Incinerator (T/H)	Incinerator (MT/A)	Landfill (MT/A)
	97	98	99	100	101	102	103	104	105	106	107	108	109	
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

*Handwritten signature/initials*

**D2. Details on Captive TSDF (s)**

S. No.	Name and Address of Captive facility	Type of facility (landfillable/ Incinerable/ 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 from 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	
	118	119	120	121	122	123	124	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
1.	Bharat Oil & Waste Management Ltd, Roorkee	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

*11/11/19*