HEAD OFFICE

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

उत्तराखण्ड पर्यावरण संरक्षण एवं प्रदूषण नियंत्रण बोर्ड
46बी, आई0टी0 पार्क, सहस्त्रधारा रोड, देहरादून (उत्तराखण्ड)

Phone: (0135) 2658086; Fax: (0135) 2718092; E-mail: msukpcb@yahoo.com; Web: www.ueppcb.uk.gov.in

Ref: UEPPCB/HO/Gen-24/2019/1078-1837 Date 29.03.2019

To,

The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
Delhi – 110032.

Subject :- Show Cause Notice U/s 5 of Environment (Protection) Act- 1986 w.r.t submission of Annual Inventory on Hazardous Waste Generation and its Management for the year 2017-18 reg.

Sir,

With reference to you letter F.No. B-29016(SC)/1/18/WM-II Div/14154 dated 18.12.2018 regarding annual inventory of Hazardous Waste Management for the year 2017-18. In this regard as required, the information of hazardous waste management in prescribed format A to D are enclosed herewith for kind perusal and further necessary action. You are requested to revoke the show cause notice.

Enclose : format A, B, C & D

Yours Sincerely

28.3.19

(S.P. Subudhi)
Member Secretary

Copy to :- Regional Director, Regional Director (North), CPCB, Pick up Bhawan, Vibhuti Khand, Gomtinagar, Lucknow for kind information please.

28.3.19

Member Secretary

FORMAT A for submission of annual inventory on Hazardous waste management by Occupiers

Name of SPCB/PCC UEPPCB Dehradun, Uttarakhand

Year 2017-18

A1 Details of Hazardous waste Generation

S.no	Name of Districts	No. of HW Generating Industry	Authorized Quantity of Hazardous waste (MT)				Quantity of Haz. waste Generated as per annual return within the state/UT(MT)				Quantity of HW imported during the year (MT)	Quantity of HW exported during the year (MT)
			Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable		
		1	2	3	4	5	6	7	8	9	10	11
1	Nainaital	165	3.61	3.61	11.822	10.0	0.194	0.94	Nil	9.7	Nil	Nil
2.	Almora	49	Nil	Nil	1.91	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3.	Pithogragarh	08	Nil	Nil	0.23	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4.	Bageshwar	20	Nil	Nil	0.991	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5.	Champawat	12	Nil	Nil	0.21	Nil	Nil	Nil	Nil	Nil	Nil	Nil
6.	Dehradun	170	520.9	78.47	69.011	Nil	252.45	55.73	14.775	Nil	Nil	Nil
7.	Pauri	44	6.72	Nil	10.137	Nil	3.95	Nil	1.85	Nil	Nil	Nil
8.	Tehri	25	0.3	Nil	9.27	Nil	Nil	Nil	4.14	Nil	Nil	Nil
9.	Chamoli	16	Nil	Nil	4.775	Nil	Nil	Nil	3.65	Nil	Nil	Nil
10	Rudrparyag	6	Nil	Nil	0.43	Nil	Nil	Nil	0.23	Nil	Nil	Nil
11	Uttarkashi	10	Nil	Nil	0.4	Nil	Nil	Nil	0.1	Nil	Nil	Nil
12	U.S.Nagar	1078	5688.662	4008.27	10728.58	Nil	2207.35	1721.41	9806.02	2500	Nil	Nil
13	Haridwar	2144	9793.844	2478.81	13162.133	522.5	2037.6	1413.348	1088.4	332.9	Nil	Nil

A2 Details of Inter State Movement of Hazardous Waste for recycling/utilization/disposal

Sl.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	Quantity sent (MT)
1.	For disposal of common secured landfill	Nil	Nil	Nil	
2.	For disposal of common incinerator	Nil	Nil	Nil	
3.	For recycling by schedule IV	Nil	Nil	Rajasthan,	50
				UP	513.702
4.	For utilization in co-processing (common pants)	Nil	Nil	Rajasthan,	1025.97
5.	For utilization under Rule-9 (other than co-processing)	Nil	Nil	Rajasthan Maharastra	7498.92 257.22

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 Utilized(MT)				Quantity Utilized(MT)		
		Quantity of waste Recycled (Listed under schedule IV Hazardous wastes) MT	Co-processing in cement Kiln	Other then co-processing	Captive utilization (other than coloum 15 & 16	Quantity of waste Recycled (listed under schedule IV Hazardous wastes) MT	Co-processing in cement Kiln	Other then under rule 9 co-processing	Captive utilization (other than coloum 15 & 20
		14	15	16	7	18	19	20	21
1	Nainaital	Nil	Nil	Nil	9.7	Nil	Nil	Nil	Nil
2	Almora	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3	Pithogragarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4	Bageshwar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5	Champawat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
6	Dehradun	9.573	Nil	Nil	Nil	Nil	Nil	Nil	Nil
7	Pauri	2.904	Nil	Nil	Nil	Nil	Nil	Nil	Nil
8	Tehri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
9	Chamoli	2.27	Nil	Nil	Nil	Nil	Nil	Nil	Nil
10	Rudrparyag	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
11	Uttarkashi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
12	U.S.Nagar	9806.2	693.07	Nil	Nil	Nil	Nil	Nil	Nil
13	Haridwar	1079.6	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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A4 Details on Hazardous Waste Disposed

S.no	Name of the District	Disposal of hazardous waste (generation 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 Utilized(MT)			
						Quantity Disposed in Secured Landfill (MT)		Quantity Disposed through incinerator (MT)	
		Common	Captive	Common	Captive	Common	Captive	Common	Captive
		22	23	24	25	26	27	28	29
1	Nainaital	0.194	Nil	0.94	Nil	Nil	Nil	Nil	Nil
2	Almora	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
3	Pithogragarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
4	Bageshwar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
5	Champawat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
6	Dehrādun	225.532	Nil	43.447	Nil	Nil	Nil	Nil	Nil
7	Pauri	2.904	Nil	Nil	Nil	Nil	Nil	Nil	Nil
8	Tehri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
9	Chamoli	2.27	Nil	Nil	Nil	Nil	Nil	Nil	Nil
10	Rudrparyag	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
11	Uttarkashi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
12	U.S.Nagar	2083.67	NIl	1673.78	Nil	Nil	Nil	Nil	Nil
13	Haridwar	1941.2	98.048	1407.1	18.1	Nil	Nil	Nil	Nil

4255.77

A5 Details on Hazardous Waste Stored at Occupier

S.no	Name of the District	Total Quantity of HW stored at Occupier premise of at the beginning of the financial year i.e. 01.4.2017(MT)				Total Quantity of HW Stored at Occupier premise during the financial 1st April 2018 (MT)			
		Landfillable	Incinerable	Recyclable	Utilizable	Landfillable	Incinerable	Recyclable	Utilizable
		30	31	32	33	34	35	36	37
1	Nainaital	0.00	0.00	18.038	0.00	0.00	0.00	18.038	0.00
2	Almora	0.00	0.00	1.91	0.00	0.00	0.00	1.91	0.00
3	Pithogragarh	0.00	0.00	0.991	0.00	0.00	0.00	0.991	0.00
4	Bageshwar	0.00	0.00	0.23	0.00	0.00	0.00	0.23	0.00
5	Champawat	0.00	0.00	0.21	0.00	0.00	0.00	0.21	0.00
6	Dehradun	0.00	0.00	0.00	0.00	26.283	12.283	5.202	0.00
7	Pauri	0.00	0.00	0.00	0.00	3.95	0.00	1.85	0.00
8	Tehri	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00
9	Chamoli	2.27	0.00	0.00	0.00	0.00	0.00	0.75	0.00
10	Rudrparyag	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
11	Uttarkashi	0.00	0.00	0.00	0.00	0.00	0.00	0.1	0.00
12	U.S.Nagar	0.00	0.00	0.00	0.00	123.68	47.63	1557.1	2500
13	Haridwar	2.444	13.481	6.075	0.00	0.796	1.229	14.875	0.00

B- Annual Inventory of Recycling/Utilization/Co-processing of Hazardous Waste

S.No.	Type of Recycling Facilities	No. of facilities authorized of recycling/utilization/co-processing of HW	Total Authorized Capacity(MTA)	Quantity Recycled/Utilized/Co-Processed (MT) During the year
A.	**Commonly Recyclable HW**	-	-	-
1	Brass Dross	-	-	-
2	Zinc Bearing Waste	-	-	-
3	Copper Bearing Waste	-	-	-
4	Spent Catalyst containing nickel, Cadmium, zinc copper, arsenic, vanadium & cobalt	-	-	-
5	Lead bearing waste including battery waste	4	58200	11201
6	E-Waste	5	20430	2556
7	Paint & ink sludge/residues	-	-	-
8	Used oils	1	2800 MT	72.64
9	Waste oil	-	-	-
	Total	-	-	-
	(add new row , row other types of waste	-	-	-
B	**Utilization of HW Under Rule 9**	-	-	-
1	Recovery of solvents from spent solvents	-	-	-
2	Utilization of APCD Dust/ Residue Generated from LD Furnace/EAF/ Blast furnace for production of pig iron	-	-	-
3	Utilization of sent catalyst to recover Platinum, Iridium, Osmium, Palladium, Rhodium, Ruthium, Rhenium, Gold & Silver	-	-	-
4	Utilization of spent H2SO4 generated from picking operation for manufacturing ferrous sulphate	-	-	-
5	Utilization of spent acid containing Molybdenum generated from filament industries for producing Molybedenum Tnoxide by Heating Process	-	-	-
6	Utilization of Spent HCL Generated from steel rolling mills for producing ferric chloride	-	-	-
7	Utilization of used anode butt to produce carbon pellets and high energy (HE) coke for use in steel or furnaces/foundries	-	-	-
8	Utilization of used anode butt to produce carbon blended coke/electrode carbon paste/carburiser for use in steel or ferroalloy furnaces	-	-	-
9	Utilization of pre processed used anode butt to produce green anode through anode baking process for use in aluminium smelters	-	-	-

10	Utilization of pre processed used anode butt generated to produce carbon electrode paste	-	-	-
11	Utilization of coal tar/tarry residue generated from coal gasifier for energy recovery in sodium silicate industry	-	-	-
12	De contamination of contaminated drums/containers/barreis	-	-	-
13	Utilization of process sludge and primary ETP sludge generated from pulp & paper industries for producing paper board/mill board/ card board	-	-	-
14	Captive utilized of aluminium dross generated from refining and casting house of -aluminium smelter unit to recover Al metal	-	-	-
15	Utilization of Al dross generated from refining and casting house of AL smelter unit to recover unit to recover Al metals	-	-	-
16	Utilization of oil based iron sludge of ball and roller bearing for producing for producing ferrous sulphate	-	-	-
17	Utilization of mercury waste generated from various industry for recovering mercury	-	-	-
18	Utilization of spent H2SO4 generated from dye and dye intermediates to produce gypsum suitable for use in cement plants	-	-	-
19	Utilization of spent fixed (hypo) solution generated from photography/x-rays films to recover silver metal	-	-	-
20	Utilization of Hydra fluoro silicic acid-Acidic scrubber solution generated during single super phosphate manufacturing industry recovered sodium silico fluonde (Sodium Flurosilicato) for use in glass industry	-	-	-
21	Utilization of spent sulphuric acid para generated during Nitrotoulene ortho sulfonic acid/Oxadiargyl Anthrquinone manufacturing industry for production of ferrous sulphate	-	-	-
22	Utilization of Vanadium Sludge generated from Alumina refineries for production of Vanadium metal	-	-	-
23	Utilization of Phenolic Waste water generated from Coal Gasifier consensate water for Qenching of hot gases in After Burning Chamber of Direct-reduced iron (DRI) Kiln of Sponge Iron Industry	-	-	-

	Utilization of Chemical Sludge (Primary Sludge) of ETP from Pulp & Paper Industry for energy recovery in Atmospheric Fluidized Bed Combustion (AFBC) Boiler/pressurized fluidized bed combustion (PFBC) Boiler/Circulating Fluidized Bed Combustion (CFBC) Boiler for steam or electricity generation	-	-	-
25	Utilization of Spent Carbon (Carbon Slurry) generated from Urea manufacturing plant for Quenching of carbon in the reactor for manufacturing carbon black.	-	-	-
26	Utilization of Spent Acid containing Molybdenum compound generated from Bulb filament manufacturing industries for manufacturing of Ammonium Molybdate	-	-	-
27	Utilization of Resin Waste (mixture of Bisphenol A and Epichlorohydrin) generated from Resin impregnation of electrical coils power/hydro equipments industries for manufacturing of High Tension/Low Tension Insulators	-	-	-
28	Utilization of Spent Alumina generated during Polymerization in SWING unit of Pettrochemical Plant for manufacturing of Refractory materiam like insulation bricks, Mortar, Castables, High Alumina Bricks	-	-	-
29	Utilization of Spent Ion Exchange Resin generated from Demineralization (DM) Plant for energy recovery in boiler for stem of power generation	-	-	-
30	Utilization of Spent Ion Exchange Resin generated from Demineralization (DM) Plant for energy recovery in Direct reduced iron (DRI) kiln of Sponge iron Industry	-	-	-
31	Utilization of Tungsten Scrap generated from metal cutting Operation (using Tungsten carbide insert), mining tool buttons and worn out drills for manufacturing of Carbon Mineral Fuel	-	-	-
32	Utilization of Spent Pot Lining Generated during production of Primary Aluminium from Alumina Smelting Industries for Utilization as a Sulphanilide for manufacturing of Carbon Mineral Fuel	-	-	-
33	Utilization of Spent Sulphuric Acid and Spent Sodium Thiosulphate generated during	-	-	-

34	Utilization of Coal Tar/Tarry Residue generated	-	-	-
35	Utilization of gasifier Slag Containing Nickel & Spent Catalyst	-	-	-
36	Utilization of synthetic Oil based mud/drill cutting generated from Oil & Natural Gas Exploration for Road Construction/Oil Recovery	-	-	-
37	Utilization of flue gas cleaning Residue generated from bag filter connected to steel scrap melting induction furnace for recovery Zinc Metal	-	-	-
38	Utilization of Spent Sulphuric Acid and Spent Sodium Thiosulphate generated during manufacturing of 4.4 Diaminobenzene Sulphanilide for Isolation and purification of 2-	-	-	-
39	Utilization of spent phosphoric acid generated during manufacturing of Quinacridone Pigment for production of	-	-	-
40	Utilization of waste dichromate solution generated during manufacturing of ibuprofen for production of Basis	-	-	-
41	Utilization of waste dichromate solution generated during manufacturing of ibuprofen for production of basis	-	-	-
42	Utilization of used water thinner generated during cleaning of paint feeding lines using solvents for manufacturing of	-	-	-
	Total	-	-	-
C	**Co-processing in cement plant**	-	-	-

Format-C for Submission of Authorized Recyclers/Utilization/Co-Processing of Hazardous Waste

Name of SPCB/PCC- Uttarakhand Environment Protection and Pollution Control Board

S.No.	Name and Address of the Facility	Type of Hazardous Waste authorized for recycling	Authorized Recycling/Utilization/Co-Processing Capacity (MTA)	Quantity Recycled/Utilized/Co-Processed (MT)
1	M/s Global Environmental Solution, Vill- Lambakhera, Tehsil- Gadarpur, Distt- US Nagar	Used Oil/Waste Oil	2800 MT/Month	72.64 MT
		Used empty Barrels	12500 Nos./Month	
2	M/s Vimal Petrothin Pvt Ltd, IP- 15A, Raipur Sahakari Audhyogic Kshetra, Raipur, Distt- Roorkee	Lead bearing residue and lead acid batteries	24900	9594
3	M/s Tanya Engineers, Khasra No. 204, Raipur Industrial Area Bhagwanpur, Distt- Roorkee	Lead bearing residue and lead acid batteries	4800	523.37
4	M/s Jay Ace Technologies Ltd, Khasra No 92 to 95, Raipur Industrial Area, Distt- Roorkee	Lead bearing residue and lead acid batteries	24000	Nil
5	M/s Shahid Metal Alloys, Khasra No 353, Raipur Industrial Area, Bhagwanpur, Distt- Roorkee	Lead bearing residue and lead acid batteries	4500	1083.9