



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

MOST URGENT  
HON'BLE NGT MATTER

F. No. CP-26/3/2021-WM-I-HO-CPCB-HO / 5749

October 28, 2022

To

The Member Secretary  
SPCBs/PCCs  
(As per list)

**Sub: Minutes of Fifth Review Meeting with SPCBs for compliance to the directions of Hon'ble NGT order dated 29.01.2021 in OA No. 804 of 2017 in the matter of Rajiv Narayan & Anr. Vs. Union of India & Ors, w.r.t., assessment & remediation of Contaminated Sites – reg**

Sir,

This has reference to the 5th review meeting with SPCBs held on 13.10.2022 through VC in compliance to the directions of Hon'ble NGT in the matter of O.A. No. 804 of 2017 order dated 29.01.2021, regarding assessment & disposal of waste and remediation of contaminated sites. In this regard, please find enclosed minutes herewith of the fifth review meeting. Action taken report may be provided to CPCB as early as possible.

  
(V. P. Yadav)

Director & Head,  
Waste Management Division-I

Encl.: As above

### List of 7 SPCBs/PCC

1. The Member Secretary  
Himachal Pradesh Pollution Control Board  
Him Parivesh Phase-III, Below BCS,  
New Simla A-9 , HP – 171 009
2. The Member Secretary  
Kerala Pollution Control Board  
Pattom P.O. Thiruvananthapuram-695004
3. The Member Secretary  
Madhya Pradesh Pollution Control Board  
Paryavaran Parisar, Sector E-5,  
Arera Colony, Bhopal – 462 016
4. The Member Secretary  
State Pollution Control Board Odisha  
Paribesh Bhawan, A-118,  
Nilakantha Nagar, Unit-VIII  
Bhubaneswar – 751 012
5. The Member Secretary  
Punjab Pollution Control Board  
Vatavaran Bhawan, Nabha Road  
Patiala – 147 001
6. The Member Secretary  
Rajasthan State Pollution Control Board  
4, Jalana Doongri Institutional Area  
Jaipur Rajasthan – 302 004
7. The Member Secretary  
Uttarakhand Pollution Control Board  
6B, IT Park, Sahastradhara Road, Uttarakhand.



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By Email

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This has reference to the 5th review meeting with SPCBs held on 13.10.2022 through VC in compliance to the directions of Hon'ble NGT in the matter of O.A. No. 804 of 2017 order dated 29.01.2021, regarding assessment & disposal of waste and remediation of contaminated sites. In this regard, please find enclosed minutes herewith of the fifth review meeting. Action taken report may be provided to CPCB as early as possible.

(V. P. Yadav)

Director & Head,  
Waste Management Division-I

Encl.: As above

Copy to,

1. Regional Directorates, CPCB : For information and with request to follow-up the matter with concern SPCBs/PCCs, please  
(As per list)

(V. P. Yadav)

**Minutes of the Fifth Meeting with SPCBs held on 13.10.2022 to review the status of assessment and remediation of Contaminated Sites**

In compliance of Hon'ble NGT order dated 29.01.2021 in O.A. No. 804 of 2017 in the matter of Rajiv Narayan & Anr. Vs. Union of India & Ors, and order dated 09.03.2022 in OA No. 362 of 2021 in the matter of R. K. Gupta Vs. State of Madhya Pradesh, a review meeting with 07 SPCBs (namely: Himachal Pradesh, Kerala, Madhya Pradesh, Odisha, Punjab, Rajasthan, & Uttarakhand), was held through VC on 13.10.2022 to discuss about the action taken report regarding assessment & remediation of contaminated/probable contaminated sites. The meeting was chaired by Sh. V. P. Yadav, Director & Head, Waste Management Division-I, CPCB, Delhi. The meeting was attended by officials of SPCBs and dealing officials of CPCB. List of the participants is given at **Annexure-I**.

At the outset, Sh. V. P. Yadav, welcomed all the participants, and made the presentation on various directions passed by Hon'ble NGT in aforesaid matters regarding identification, assessment and remediation of contaminated sites in India followed by status of on-going DPR preparations and execution of remediation works by the Responsible parties. Accordingly, State wise status was discussed and its deliberations are given as below:

1. **Himachal Pradesh:** HPPCB has submitted action taken report vide its letter dated 04.04.2022 on the site namely: "*Effluent Drain, Housing Board Phase-III, Baddi, Himachal Pradesh*". The said report is examined and observed that the said site has already been deleted from the list as no contamination was found as per HPPCB letter dated 03.05.2021. However, the preliminary site investigation report for the site namely: "*Open area along Sandholi Nala, Opposite Keshav Auto, Baddi Nalagarh Highway NH-21A-173205*" is under review by CPCB. The observation is given at **Annexure-II**.

**CPCB suggestion:** Site assessment report submitted by HPPCB is under review by CPCB and further course of action to be taken by HPPCB may be communicated by CPCB.

2. **Kerala:** KSPCB has submitted action taken report vide its letter dated 18.06.2022. There are 9 sites in Kerala; wherein 05 sites identified as PCS and other 04 sites are as CS.

Further, three **(03) contaminated sites** for which DPR had been prepared under NCEF Project and forwarded the same to Govt. of Kerala and Kerala SPCB for execution of Remediation works:

- i. Out of **03 sites**, Kerala SPCB informed that for **01 site** at Kuzikundam Thodu (Creak), Eloor, tendering process for execution of remediation work is underway.

**CPCB suggestion:** Kerala SPCB shall expedite the tendering process and initiate remediation works at **the earliest**. Status in this regard shall be submitted to CPCB **by the end of this month**.

- ii. In case of other **02 sites** at Edayar, despite regular follow-up by CPCB, no progress is observed regarding execution of remediation works. Kerala SPCB informed that 02 meetings of expert committee were held and joint site visit has been proposed by the committee to ascertain the current situation of site.

**CPCB suggestion:** Kerala SPCB may issue direction to responsible party within 10 days to initiate lifting and disposal of waste from the unlined jerosite ponds to secure landfill. In case of failure to comply, as per the Hon'ble NGT order dated 26.08.2019 in OA No. 804/2017, environmental compensation may be imposed to Kerala SPCB at the rate of Rs. 10 lakh per site.

Status in this regard shall be submitted to CPCB **by the end of this month**.

- iii. Further for remaining 06 sites (1-CS & 5-PCS), it is observed that no new sampling data is submitted as on 2021-22. The observation is given at **Annexure-II**.

**CPCB suggestion:** Kerala SPCB shall carry out few fresh sampling as per observation given at **Annexure-II** and submit action taken reports supported with fresh analysis results and site visit/sampling photographs **within 2 months**.

3. **Madhya Pradesh:** MPPCB has submitted action taken report vide its letter dated 17.02.2022 . In the state of Madhya Pradesh, 17 sites identified as PCS and other 07 sites are as CS. Out of 17 PCS, 08 sites are proposed for de-listing. The observation is given at **Annexure-II**.

In case of **02 sites** at UCIL, the matter was heard by Hon'ble NGT(PB) vide order dated 09.03.2022 in OA No. 362 of 2021 and linked with the order dated 26.08.2019 in OA No. 804 of 2017, directed that SPCBs/PCC shall ensure that HW accumulated/lying at following sites shall be disposed of either through TSDF or SLF on priority to stop further contamination.

**CPCB suggestion:** As the matter is heard by Hon'ble NGT in OA No. 362 of 2021 and OA No. 804 of 2017, MPPCB may follow-up or coordinate with State Govt. to initiate disposal of the hazardous waste stored at UCIL premises through TSDF at the earliest.

4. **Odisha:** Odisha SPCB has submitted a brief status along with report on 22.08.2022. There are 32 sites in Odisha; wherein, 09 sites identified as PCS and other 23 sites are as CS. During meeting, OSPCB has informed the following:

- i. For **03 mercury contaminated sites** at Ganjam, remediation work is underway as per the DPR.
- ii. For **01 chromium contaminated site** at Talcher, no progress is observed regarding disposal of wastes from the site. OSPCB has also informed that regular follow-up is being made with the responsible party and CSIR-IIMT for disposal of hazardous waste lying at site.

**CPCB suggestion:** Since no progress is observed for **chromium contaminated site** at Orichem, Talcher, OSPCB may issue necessary directions to the Responsible Party for lifting and disposal of hazardous waste through TSDF or SLF. In case of failure to comply, as per the Hon'ble NGT order dated 26.08.2019 in OA No. 804/2017, environmental compensation may be imposed to Odisha SPCB at the rate of Rs. 10 lakh per site.

- iii. For remaining sites, it is observed that OSPCB had carried out GW/Surface water/Soil sampling from 3-4 locations from each site. However, the samples were analyzed for only CoCs.

**CPCB suggestion:** OSPCB may submit action taken reports supported with analysis results of CoCs with general parameters & heavy metals and site visit/sampling photographs **within a month** as per observation & suggestions, given at **Annexure-II**.

5. **Punjab:** Punjab PCB vide its letter dated 26.08.2022 has confirmed to carry out action taken as per the format of "Preliminary Investigation Report on contaminated sites (CS) / probable contaminated sites (PCS)" provided by CPCB for 9 probable/contaminated sites in Punjab.

**CPCB suggestion:** Punjab PCB may re-submit the aforesaid action taken reports as per CPCB recommendations without any delay.

6. **Rajasthan:** Rajasthan SPCB has submitted action taken report vide letter dated 05.05.2022. There are 09 sites in Rajasthan; wherein, 07 sites identified as PCS and other 02 sites are as CS. Out of 09, 05 sites are proposed for de-listing. The observation is given at **Annexure-II**.

**CPCB suggestion:** Rajasthan PCB shall submit action taken reports supported with analysis results of CoCs with general parameters & heavy metals and site visit/sampling photographs as per observation & suggestions, given at **Annexure-II** without any further delay.

7. **Uttarakhand:** Uttarakhand SPCB has submitted action taken report vide letter dated 11.09.2020. There are 06 sites in Uttarakhand; wherein 05 sites identified as PCS and other 01 sites is as CS. Out of 06, 05 sites are proposed for de-listing. The observation is given at **Annexure-II**. However, no representative was present during meeting.

**CPCB suggestion:** UPCB may carry out detailed site investigation of the site namely: "Village-Tansipur, Roorkee, Uttarakhand-247656" and submit report to CPCB **within 2 months**.

**Recommendations/Action Points:**

1. SPCBs/PCCs need to **update regularly 'Inventory of contaminated sites'** and may furnish the updated data to CPCB for maintaining a national list in public domain.
2. SPCBs/PCCs should initiate preliminary investigation of probable contaminated sites followed by detailed investigation and remediation works, if required. And Action taken reports will be submitted by concern SPCBs/PCC within one month without any delay.

**In this regard, who have not yet submitted the aforesaid Action taken reports, may submit the same within one month from the date of issue of this minutes.**

3. SPCBs/PCC may initiate **remedial actions for priority contaminated sites and wherein DPRs prepared for remediation of contaminated sites under National Clean Energy Fund (NCEF) project.**
4. States to take responsibility for high risk "Orphan Sites", where there is historic dumping & for which DPRs have already been prepared under NCEF project, and the polluter could not be identified or polluter is not in a position to pay for remediation costs.

**In this regard, SPCBs/PCC may follow-up with concerned State Govt.**

5. SPCBs/PCCs shall monitor, wherein Remediation work is undertaken by Responsible Party (ies) and submit **progress/status report bi-monthly to CPCB.**
6. As per the directions of NGT, SPCBs/PCC shall ensure that the hazardous waste accumulated/lying shall be disposed off either through TSDF or SLF on priority to stop further contamination.

**In case of failure to comply, as per the Hon'ble NGT order dated 26.08.2019 in OA No. 804 of 2017 and order dated 09.03.2022 in OA No. 362 of 2021, environmental compensation may be imposed by CPCB at the rate of Rs. 10 lakh per site.**

7. SPCBs/PCC, who have not yet constituted the State Level Empowered Monitoring Committee (SLEMC), shall constitute SLEMC having representatives from Dept. of Environment, Industries Dept., SPCB/PCC, CGWA/SGWA, relevant Experts, etc. within 3 weeks for effective implementation of remediation plans.

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**List of officials participated (through VC)****CPCB Officials (HO)**

1. Sh. V. P. Yadav, Director & Head, WMD-I, Delhi
2. Sh. G. Rambabu, Scientist-D, WM-I, CPCB, Delhi
3. Dr. Gargi Biswas, RA-II, WM-I, CPCB, Delhi

**CPCB Officials (RD)**

4. Sh. P. Jagan, Regional Director, CPCB-RD, Bhopal
5. S. J. Chandra Babu, Regional Director, CPCB-RD, Bengaluru
6. Sh. Vivek K, Scientist-D, CPCB-RD, Bengaluru
7. Sh. Sandeep Roy, Scientist-D, CPCB-RD, Kolkata

**SPCB/PCC Officials**

8. Dr. Sheela A M, Member Secretary, Kerala SPCB
9. Sh. Harshvardhan Thakkar, Scientist, MPPCB
10. Sh. R. K. Gupta, SE, MPPCB
11. Dr. Alok Saxena, Chief Chemist & Laboratory In-charge, MPPCB
12. Dr. Manoj Chauhan, Pr. Scientific Officer, HPPCB
13. Sh. Rakesh Kumar, SEE, Punjab PCB
14. Sh. P. C. Rauta, SEE, OSPCCB
15. Ms. Jayshri Kala, Scientific Officer, Rajasthan SPCB

S. No.	States/UTs	Updated status as on Sept, 2022				HW lying at site	Identified site for remediation	
		Total Sites	Probable Sites (PCS)	Contaminated Sites (CS)	De-list*		Detailed Investigation and DPRs	Remediation Works
1.	Himachal Pradesh	1	0	1				
2.	Kerala	9	5	4		1	2	1 <sup>#</sup>
3.	Madhya Pradesh	21	6	7	8	1	3	
4.	Odisha	32	9	23		1	1	3
5.	Punjab	9	3	6				
6.	Rajasthan	9	3	1	5			
7.	Uttarakhand	6	1	0	5			

#Tendering process is underway;  
\* It is proposed that the said site may be de-listed;

State wise compliance status on Action taken by SPCBs/PCCs is given below:

#### Himachal Pradesh

Himachal Pradesh SPCB has submitted action taken report vide its letter dated 04.04.2022. The said report is examined and observed that site has been already deleted from the list as no contamination was found. However, the preliminary site investigation report is not received for the following site:

S. No.	Name of the Site	CS/PCS	Action taken/initiated by HPPCB	Observations/ Suggestions by CPCB
1.	Open area along Sandholi Nala, Opposite Keshav Auto, Baddi Nalagarh Highway NH-21A-173205	CS	HPPCB had carried out site inspection and submitted the following findings: <ul style="list-style-type: none"> <li>No hazardous waste was found at the site.</li> <li>Soil, GW, Sediment, and SW samples collected, analysis results of Soil &amp; SW reveal that no contamination.</li> </ul> However, <b>sediment</b> samples reveals contamination with <b>Nickel, Chromium &amp; Cadmium</b> .	HPPCB may carry out detailed site investigation based on the guidance document/reference document on 'Identification, Inspection and Assessment of Contaminated Sites', as <b>sediment contamination with heavy metal</b> has been observed. However, the aforesaid study report is awaited from HPPCB.

## Kerala

Kerala SPCB has submitted action taken report for following 09 probable/contaminated sites vide its letter/email dated 18.06.2022. However, it is inform that no new sampling data as on 2021-22 is submitted by KSPCB. Accordingly, the reports were examined and following observations and suggestions are made as below:

S. No.	Name of the Site	CS/ PCS	Action taken/Initiated by Kerala PCB	Observations/ Suggestions by CPCB
1.	Kuzhikandom Thodu (Creek), Kerala	CS	DPR is completed under NCEF project of MoEF&CC and CPCB. Tendering process is under progress for execution of remediation work by Kerala State/ Kerala SPCB.	As the case is heard by Hon'ble NGT (SZ) in OA No. 561 of 2018 in the matter of Shibu Manual Vs. Union of India & Ors.; Status in this regard may be submitted to CPCB <b>2 weeks</b> without any delay.
2.	Edayar, Edayattuchal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of Kerala and Kerala SPCB for execution of Remediation work.	Status in this regard may be submitted to CPCB <b>within 2 weeks</b> without any delay.
3.	Edayar, Chakkarachal Kochi, Kerala (in & around the premises of M/s. Binani Zinc Ltd.)	CS	As the case is heard by Hon'ble NGT (SZ) in OA No. 143 of 2020 and 182 of 2021; Kerala SPCB issued direction to responsible party to initiate lifting and disposal of waste from the unlined jerosite ponds to secure landfill.	In case of failure to comply, as per the Hon'ble NGT order dated 26.08.2019 in OA No. 804/2017, environmental compensation shall be imposed to Kerala SPCB at the rate of Rs. 10 lakh per site.
4.	Vadavathoor, Kottayam	CS	Site was inspected by Kerala SPCB and it is informed that the spot was earlier used as solid waste dumping yard of Kottayam municipality. Old report revealed as below: i. In GW <b>Mercury</b> , and <b>Total Coliform</b> was reported higher than prescribed limit of BIS drinking water standard. ii. Soil was contaminated with <b>Chromium &amp; Nickel</b> . In this regard, it is also submitted that the following site is under the dumpsite for biomining and Kottayam Municipality had submitted a proposal of Rs 23.44	Status in this regard may be submitted to CPCB <b>within 2 weeks</b> .

S. No.	Name of the Site	CS/PCS	Action taken/initiated by Kerala PCB	Observations/ Suggestions by CPCB
			Core to the Swacchata Mission. The project is underway.	
5.	Vembanad (Vembanad Kayal or Vembanad Kol), Kottayam, Kerala-686001	PCS	i. Site was inspected by Kerala SPCB and identified as wastewater drainage at Aroor, Alappuzha. However, no hazardous waste generating industries are found near this point. ii. SW is collected. Analysis result reveals the contamination with <b>Color and Total Coliform</b> .	As no new sampling data is submitted as on 2021-22, Kerala SPCB shall carry out few more sampling of sediment and SW and submit analysis results of CoCs, general parameters and heavy metals as per references document of CPCB.  Timelines: 2 months
6.	Meenachil River, Kottayam, Kerala	PCS	Site is identified by Kerala SPCB as a spot in Arabian sea at 600 m from the shore at Alappuzha. Hence, no sampling of SW, sediment is carried out.	As no new sampling data is submitted as on 2021-22, Kerala SPCB shall inspect the downstream of the river followed by sediment & SW sampling and submit inspection reports containing site visit photographs and analysis results of CoCs, general parameters and heavy metals of sediment & SW samples.  Timelines: 2 months
7.	Ashtamudi Lake, Kollam District, Kerala-691602	PCS	i. Kerala SPCB has inspected the site followed by sampling of SW and sediment. ii. For Sediment, analysis was done for Cadmium only and it reveals no contamination. iii. Analysis results of SW samples reveal about contamination of <b>TDS, sulphate &amp; chloride</b> , which may be due to marine environment. High <b>coliform</b> count is also reported.	As no new sampling data is submitted as on 2021-22, Kerala SPCB shall carry out few more SW samples and submit analysis results of CoCs, general parameters and heavy metals. Further, sediment sampling may be carried out for analysis of general parameters and heavy metals.  Timelines: 2 months
8.	Parvathy Puthanar, Thiruvananthapuram, Kerala-695001	PCS	i. Site is inspected by Kerala SPCB followed by SW sampling ii. A sewage drainage was identified beside railway tracks.	As no new sampling data is submitted as on 2021-22, Kerala SPCB shall carry out sediment, soil, GW and SW samples & submit

S. No.	Name of the Site	CS/ PCS	Action taken/Initiated by Kerala PCB	Observations/ Suggestions by CPCB
			iii. For SW, analysis was done for Cadmium only and it reveals no contamination.	analysis results of CoCs, general parameters and heavy metals.  Timelines: 2 months
9.	Bramhpuram, Kochi-682303	PCS	i. Site is inspected by Kerala SPCB followed by soil sampling. ii. Analysis was done for CoC only and result reveals no contamination.	Kerala SPCB may carry out sampling of sediment/ SW/ GW and submit analysis results of CoCs, general parameters and heavy metals. Further, soil sampling may be carried out for analysis of general parameters and heavy metals.  Timelines: 2 months

### Madhya Pradesh

MPPCB vide letter dated 17.02.22 submitted revised action taken report for 17 sites out of 21 contaminated/probable contaminated sites in Madhya Pradesh. Accordingly, the reports are examined and made the following observations/suggestions:

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
1.	Sajjan Chemicals - Plot No ; 54 E dosigoan Industrial area, Ratlam, Madhya Pradesh	CS	i) Detailed site investigation completed under NCEF project, wherein CPCB is implementing agency. DPR is under progress. ii) As per detailed site investigation carried out, it is revealed that GW is contaminated with <b>color, TDS Chloride and Sulphate.</b> iii) Direction has been issued by MPPCB for lifting & disposal of waste through TDSF.	Actions shall be taken as per the recommendations of 16 <sup>th</sup> TEC meeting.
2.	Sajjan chemical Pvt Ltd ( Plot No -61 B, Dosigaon Industrial Area, Ratlam)	CS	(i) Detailed site investigation completed under NCEF project, wherein CPCB is implementing agency. DPR is under progress. (ii) As per detailed site investigation carried out, it is revealed that GW is contaminated with <b>color, TDS</b>	

S. No.	Name of the Site	CS/PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			<b>Chloride and Sulphate.</b> (iii) Hazardous waste had been lifted and disposed through TSDF.	
3.	M/s Jayant Vitamin, Ratlam	CS	(i) Detailed site investigation completed under NCEF project, wherein CPCB is implementing agency. DPR is under progress. (ii) As per detailed site investigation carried out, it is revealed that GW is contaminated with <b>color, TDS Chloride and Sulphate.</b> (iv) No historical waste dump was found, except old industrial equipments and chemical storage tanks as per detailed investigation report.	
4.	Ratlam Industrial Area-457001	CS	MPPCB inspected the site followed by soil and GW sampling. (iii) Analysis result reveals that soil is not contaminated. In GW samples, <b>Lead, Color, Chloride, Sulphate, and TDS</b> are reported higher than acceptable limit of BIS. <b>COD</b> is also reported in the samples.	<b>Action may be taken as per NCEF project</b>
5.	M/s Grasim Chemical, Grasim Nagar, Nagda, Madhya Pradesh	PCS	Site is inspected by MPPCB and accordingly, carried out few soil samples. Analysis result reveals no contamination. However, GW sample was not collected from the site.	For soil samples, concentrations of COCs are found within the range standard/SL. However, MPPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB.
6.	Indo Zinc, Plot-79, Sector -3, Pithampur, Dist-Dhar, Madhya Pradesh	PCS	MPPCB has inspected the site followed by soil and GW sampling. Analysis result reveals as below: - soil is not contaminated. - In GW samples <b>TDS</b> is reported higher than acceptable limit of BIS. <b>COD</b> is also reported in the samples.	Concentrations of COCs are found within the range standard/SL. However, MPPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB. <b>It is proposed that the said site may be de-listed.</b>
7.	Atal Ayub Nagar, Near UCIL factory, Bhopal-462001	PCS	MPPCB inspected the site followed by soil and GW sampling. Analysis result reveals as below: - soil is not contaminated with CoCs & Arsenic.	Concentrations of COCs are found within the range standard/SL. However, MPPCB shall carry on periodically GW sampling in and around the site and analyzed for

S. No.	Name of the Site	CS/PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
			In the report of 2020, <b>Copper, Nitrate and TDS</b> were reported in GW samples higher than acceptable limit of BIS. <b>In the present study, the sample is not analyzed for the physico-chemical parameters.</b>	physico-chemical parameters along with <b>Copper</b> , & Nitrate, and submit report to CPCB within 1 month.
8.	Kainchi Chhola colony, Bhopal-462001	PCS	MPPCB inspected the site followed by soil and GW sampling and the same was analysed for CoCs. Analysis result reveals no contamination.	Concentrations of COCs are found within the range standard/SL. However, MPPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB.
9.	Garib Nagar, Bhopal-462001	PCS		
10.	Blue Moon & Nawab Colony, Bhopal-462001	PCS	Further it is observed that the groundwater sample is not analyzed for the physico-chemical parameters.	<b>It is proposed that the said site may be de-listed.</b>
11.	New Arif Nagar, Bhopal-462001	PCS		
12.	Shiv Nagar, near Hindustan Petroleum depot, Bhopal--462001	PCS		
13.	Shakti Nagar, Near Arif Nagar, Near Union Carbide factory, Bhopal	PCS	No report is submitted by MPPCB.	In the past report of 2020, it was observed that heavy metals in soil samples were analysed by using TCLP extraction method, whereas threshold values (w.r.t. total concentration) need to be reported. Therefore, it was requested to re-analyse soil samples for heavy metals.  Further, MPPCB requested to carry out few more GW samples to ascertain the quality of GW and submit report to CPCB.
14.	Mandideep Industrial area, Mandideep, Raisan-462040	PCS	MPPCB inspected the site followed by soil and GW sampling and the same was analysed for CoCs. Analysis result reveals no contamination.  Further it is observed that the groundwater sample is not analyzed for the physico-chemical parameters.	Concentrations of COCs are found within the range standard/SL. However, MPPCB shall carry on periodically GW sampling in and around the site and submit quarterly report to CPCB for 1 year.  <b>It is proposed that the said site may</b>

S. No.	Name of the Site	CS/PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
				<b>be de-listed.</b>
15.	Post Vindhyan Nagar, Dist. Sangruli, MP-486885	PCS	MPPCB inspected the site followed by soil sampling. Analysis result reveals that soil is not contaminated. GW-sampling was not carried out.	MPPCB requested to carry out GW sampling from 3-4 locations to ascertain the quality of GW and submit report to CPCB as per CPCB format within 1 month.
16.	M/s Union carbide (UCIL), J.P. Nagar, Bhopal, Madhya Pradesh 462001	CS	i. GW samples collected, analysis result reveals no contamination. ii. Soil samples collected, analysis result of carbamate (pesticides) reveals no contamination. iii. <b>MPPCB vide letter dated 30.06.2022 has informed regarding disposal of UCIL waste from the premises.</b>	<b>Proposed for joint sampling by CPCB and MPPCB in November, 2022.</b>
17.	M/s Boardia Chemicals Pvt Ltd. Ratlam, Madhya Pradesh-457001	PCS	MPPCB inspected the site followed by soil and GW sampling. Analysis result reveals as below: - Soil is found as not contaminated. - In GW samples <b>Lead and Copper</b> are reported higher than acceptable limit of BIS. <b>COD</b> is also reported in the GW samples.	MPPCB may carry out detailed site investigation and submit report to CPCB with 2 months.
18.	M/S Beta Naphthol-village Maksi, Shajapur Dist, MP-465106	PCS	MPPCB inspected the site followed by soil and GW sampling. Analysis result reveals no contamination.	Concentrations of COCs are found within the range standard/SL. However, MPPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB.  <b>It is proposed that the said site may be de-listed.</b>
19.	Deoguradiya (Municipal landfill Site), Near Devguradia, Indore, MP - 452001	PCS	i. The said area falls under the jurisdiction of residential zone. ii. Samples of soil and GW collected, analysis result reveal: - In soil no contaminated is reported. - In GW samples, <b>Chloride and TDS</b> are reported higher than acceptable limit of BIS. <b>COD</b> is also reported in the GW samples.	MPPCB may carry out few more GW samples to ascertain the quality of GW and submit report to CPCB within 1 month.
20.	Solar Evaporation	CS	i. GW and SW samples collected,	<b>Proposed for joint sampling by CPCB</b>

S. No.	Name of the Site	CS/PCS	Action taken/initiated by MPPCB	Observations/ Suggestions by CPCB
	Ponds outside UCIL premises, Bhopal		<p>analysis result reveals no contamination.</p> <p>ii. Soil samples collected and analysis result of carbamate (pesticides) and VOC reveals no contamination.</p> <p>iii. <b>MPPCB vide letter dated 30.06.2022 has informed regarding disposal of UCIL waste from the premises.</b></p>	and MPPCB in November, 2022.
21.	Dabli, Mangliya, Indore, MP	CS	<p>i. CPCB vide letter dated 10.01.2020 issued directions u/s 18(1) of Water Act, 1974 to MPPCB regarding oil contamination due to leaking of underlines pipe lines. As Oil &amp; Grease conc. in GW sample was reported as 1 mg/L (BIS limit for Mineral oil in Drinking water is 0.5 mg/L).</p> <p>ii. MPPCB has inspected the site followed by soil and GW sampling.</p> <p>iii. Analysis result of GW samples reveals that <b>odor of Mild-Petroleum products along with TDS.</b></p> <p>iv. Analysis result of heavy metals in soil samples reveals no contamination.</p> <p>v. Further, geo-environmental study report was done by NIH-Roorkee and submitted in Aug, 2021.</p>	<p>Detailed investigation shall be carried out based on the "Scope of Work", provided by CPCB.</p> <p>Timelines: 2 months</p>

### Odisha

Odisha SPCB has submitted a brief status along with report on 22.08.2022. Accordingly, the reports are examined and following observations/suggestions are made as below:

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by OSPCB	Observations/ Suggestions by CPCB
1.	Dumpsite JCL-I (Outside the Premises Of M/S Jayshree Chemicals Ltd Near Rushikulya River)	CS	DPR is completed under NCEF project of MoEF&CC and CPCB.	<p>Remediation work initiated by the Responsible Party.</p> <p>OSPCB shall monitor the remediation activities initiated by Responsible Party and may submit the status report to CPCB time to time.</p>
2.	Dumpsite JCL-III (Outside the Premises Of M/S	CS	DPR is completed under NCEF project of MoEF&CC and CPCB.	Remediation work initiated by the Responsible Party.

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by OSPCB	Observations/ Suggestions by CPCB
3.	Jayshree Chemicals Ltd Near Rushikulya River)			OSPCB shall monitor the remediation activities initiated by Responsible Party and may submit the status report to CPCB time to time.
4.	Jayashree Chemicals, Ganjam	CS		
4.	Site OCL-I, ORICHEM abandoned site (inside the premises of M/s Orichem Ltd and also outside the boundary of wall), Talcher, Orissa	CS	DPR is completed under NCEF project of MoEF&CC and CPCB.	It is observed that Remediation work not yet initiated. Therefore, <b>OSPCB shall issue appropriate directions to M/s Orichem Ltd for lifting and disposal of hazardous waste through on-site SLF or off-site TSDF at the earliest</b> and initiate remediation works as per the DPR.
5.	Site INDAL-III (Located outside the unit premises of M/s Indian Aluminum Company Limited), Hirakud, Sambalpur	CS	<ul style="list-style-type: none"> <li>-- M/s HINDALCO has submitted detailed investigation report along with remediation plan vide dated 29.09.2022.</li> <li>-- In the report, it is informed that estimated <b>waste quantity is about 30200 tons</b>. The said waste and impacted soil will be transferred to TSDF at Jajpur.</li> <li>-- Part of the waste (approx. 5000 MT) will be disposed of captive SLF of M/s HINDALCO. In this regard, it is requested to issue NOC by OSPCB.</li> <li>-- Further for remaining contaminated soil, sampling will be done for validation.</li> <li>-- Analysis result of <b>GW sample reveals about contamination with Fluoride and Cyanide</b> w.r.t., BIS drinking water standard.</li> </ul>	OSPCB shall monitor the remediation activities initiated by Responsible Party and may submit the status report to CPCB time to time.
6.	Vedanta Limited, Lanjigarh, Kalahandi, Odisha-766027	PCS → CS	OSPCB had inspected the site and carried out soil, surface water, sediment and GW sampling. Analysis result reveals that: (i) GW and Surface water samples are not contaminated; (ii) Soil is contaminated with <b>Chromium and Zinc w.r.t., Soil screening level of Canadian guideline for Industrial land use.</b>	OSPCB shall carry out detailed investigation and submit report along within <b>02 months</b> .
7.	Jharsuguda, Odisha-768202	CS	Proposal for ESA-II is submitted to OSPCB.	ESA-II report yet to verify by OSPCB
8.	Sukinda, Orissa-755018	PCS → CS	Site inspection was carried out by OSPCB. Soil samples collected and analyzed for	OSPCB shall carry out detailed investigation and submit report along within <b>02 months</b> .

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by OSPCB	Observations/ Suggestions by CPCB
			CoCs. Analysis result reveals about soil contamination with <b>Chromium and Zinc w.r.t., Soil screening level of Canadian guideline for Industrial land use.</b>  GW samples were carried out and analysed for physic-chemical parameters and CoCs. Analysis result reveals no contamination.	
9.	RKL-II (In Beldihi village along the play ground between Govt primary school & St. Georgia school)	CS	Site inspection was carried out by OSPCB and submitted that:  (i) Responsible polluter party identified as M/s Lotus chemicals. (ii) Soil and GW samples collected and analyzed for CoCs. (iii) Analysis result reveals about soil contamination with <b>Chromium (Total &amp; Hexavalent) w.r.t., Soil screening level of Canadian guideline for Industrial land use.</b> (iv) Analysis result reveals about SW & GW contamination with <b>Chromium (Total &amp; Hexavalent).</b>	OSPCB shall carry out detailed investigation and submit report along within <b>02 months.</b>
10.	Site KCL IV, outside the premises of M/s KCL near Northern Boundary- Mayurbhanj Orissa	CS	i) Site inspection was carried out by OSPCB and accordingly, soil & GW samples collected and analyzed for CoCs. ii) Analysis results of GW reveal no contamination.	
11.	Site KCL V, outside the premises of M/s KCL near main Gate; Mayurbhanj Orissa	CS	iii) Analysis result reveals about soil contamination with <b>Chromium (Total &amp; Hexavalent) w.r.t., Soil screening level of Canadian guideline for Industrial land use.</b>	
12.	Site KCL-I, , Inside the premises of M/s KCL near H2SO4 Tank	CS		
13.	Site KCL II, Inside the premises of M/s KCL near Gate, Mayurbhanj, Orissa	CS		
14.	Site KCL III, ,Inside the premises of M/s KCL inside drier room, Mayurbhanj, Orissa	CS		
15.	Site NALCO-I, M/s National Aluminum Co. Products, Angul	CS	Site inspection was carried out by OSPCB and accordingly, soil samples collected and analyzed for CoCs. Analysis results reveal	Soil and groundwater sampling were carried out from 3-4 locations from each site. However, the samples were

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by OSPCB	Observations/ Suggestions by CPCB
			no contamination in soil w.r.t. CoCs.	analysed for only CoCs. The analysis results reveal no contamination.
16.	Gypsum Pond - Paradip Phosphate & IFFCO, Paradip, Odisha	CS	Site inspection was carried out by OSPCB and accordingly, soil, GW and surface water samples collected and analyzed for CoCs. Analysis results reveal no contamination.	Therefore, OSPCB may carry out samples of soil and groundwater and analyse the same for general parameters and heavy metals as per CPCB reference document and submit the same <b>within 1 month</b> .
17.	Site NALCO-II, M/s National Aluminum Co. Products, Angul	CS	Site inspection was carried out by OSPCB and accordingly, soil samples collected and analyzed for CoCs. Analysis results reveal no contamination in soil w.r.t. CoCs.	
18.	Site NALCO-III, M/s National Aluminum Co. Products, Angul	CS		
19.	Site ECFC-II (Outside the Premises along the boundary wall)), Mayurbhanj, Orissa	CS	<ul style="list-style-type: none"> <li>– Site inspection was carried out by OSPCB.</li> <li>– GW and soil sampling carried out and analyzed for CoCs.</li> <li>– Analysis result of soil samples reveals that <b>concentration of Cr (Hexavalent) is higher than Canadian screening level for industrial land use.</b></li> <li>– Analysis result reveals about no GW contamination.</li> </ul>	OSPCB shall carry out detailed investigation and submit report along within <b>02 months</b> . OSPCB shall carry out detailed investigation and submit report along within <b>02 months</b> .
20.	RKL-III (In a low lying area in Kaluga industrial estate near Kalinga Sponge industry, around 500 m away from M/s Konark Chemicals and M/s Siddharth Chemicals)	CS	<ul style="list-style-type: none"> <li>– Site inspection was carried out by OSPCB and accordingly, GW, SW and soil sampling carried out and analyzed for CoCs.</li> <li>– Analysis results reveal that soil is <b>contaminated with Cr (Hexavalent) w.r.t., Canadian screening level for industrial land use.</b></li> <li>– Analysis result reveals that SW and GW is not contaminated.</li> </ul>	
21.	RKL-IV, inside the premises of M/S Siddharth Chemicals	CS	<ul style="list-style-type: none"> <li>– Site inspection was carried out by OSPCB and accordingly soil sampling carried out and analyzed for CoCs.</li> <li>– <b>Analysis results reveal that concentration of Hexavalent Cr is higher than screening/response levels.</b></li> </ul>	
22.	RKL-I (Inside The Premises Of M/S Lotus Chrome Chemicals)	CS		

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by OSPCB	Observations/ Suggestions by CPCB
23.	Site ECFC-I (Backside of the unit.) Mayurbhanj, Orissa	CS	<ul style="list-style-type: none"> <li>– Site inspection was carried out by OSPCB.</li> <li>– GW and soil sampling carried out and analyzed for CoCs.</li> <li>– Analysis result of soil samples reveals that <b>concentration of Cr (Hexavalent) is higher than Canadian screening level for industrial land use.</b></li> <li>– Analysis result reveals about no GW contamination.</li> </ul>	
24.	Site INDAL-I (Located inside the unit premises of M/s Indian Aluminum Company Limited), Hirakud, Sambalpur	CS	<ul style="list-style-type: none"> <li>– Site inspection was carried out by OSPCB and accordingly, GW, SW and soil sampling carried out and analyzed for CoCs.</li> <li>– Analysis results reveal that <b>soil and GW is contaminated with Fluoride &amp; Cyanide.</b></li> </ul>	
25.	Site INDAL-II (Located inside the unit premises of M/s Indian Aluminum Company Limited), Hirakud, Sambalpur	CS		
26.	Brajrajnagar, Ib Valley-768201	PCS	Site inspection was carried out by OSPCB and accordingly, soil samples collected and analyzed for CoCs. Analysis results reveal no contamination in soil w.r.t. CoCs.	Soil and groundwater sampling were carried out from 3-4 locations from each site. However, the samples were analysed for only CoCs. The analysis results reveal no contamination.
27.	Koniabera Site, Angul-759122	PCS		
28.	Tentulei Common Polluted Site, Angul-759122	PCS		
29.	Brahamani Nandira River Polluted Sites, Angul-759122	PCS	Site inspection was carried out by OSPCB.  Soil, GW and Surface water samples collected and analyzed for CoCs. Analysis result reveals no contamination w.r.t. CoCs.	
30.	Kandsar & Karaberini Sites, NALCO, Angul-759122	PCS	Site inspection was carried out by OSPCB.  Soil samples collected and analyzed for CoCs. Analysis result reveals no contamination in soil w.r.t. CoCs.  GW samples were carried out and analysed for physic-chemical parameters and CoCs. Analysis result reveals no contamination.	

S. No.	Name of the Site	CS/PCS	Action taken/ initiated by OSPCB	Observations/ Suggestions by CPCB
31.	Girang & Kulad Villages, NALCO, Angul-759122	PCS	Site inspection was carried out by OSPCB.	
32.	Ash Pond Contaminated Sites of CPP, NALCO, Orissa, M/s National Aluminum Co. Products, Angul, 759122	PCS	Soil samples collected and analyzed for CoCs. Analysis result reveals no contamination in soil w.r.t. CoCs.	

### Punjab

Punjab PCB vide its letter dated 26.08.2022 has confirmed to carry out action taken as per the format of "Preliminary Investigation Report on contaminated sites (CS) / probable contaminated sites (PCS)" provided by CPCB for following 9 probable/contaminated sites in Punjab, and the report is awaited. Further, it is submitted that the earlier observations/suggestions of CPCB are as below:

S. No.	Name of the Site	CS/PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
1.	Basti Sheikh, Jalandhar	CS	PPCB had inspected the MSW dumpsite and carried out soil and GW sampling. Analysis result reveals that: (iii) GW is contaminated with <b>color, Manganese</b> and TDS (iv) Soil is contaminated with <b>Chromium</b> .	Punjab PCB to initiate detailed site investigation and submit the progress report to CPCB within 2 months.
2.	Hambran Road MSW Dump Site, Ludhiana	CS	PPCB had inspected the MSW dumpsite followed by soil and GW sampling. Analysis result reveals that GW is contaminated with <b>color</b> .	PPCB to carry out i. Few more GW samples to ascertain the GW quality of the site. ii. Sampling of soil/sediment/SW and submit report including analysis results of CoCs, general parameters and heavy metals within 1 month.
3.	Buddha Nullah, Ludhiana, Punjab	CS	PPCB had inspected the site and carried out soil, SW and GW sampling. Analysis result reveals that: a) In soil samples, <b>Zn, Ni &amp; Chromium</b> are exceeded with the screening levels. b) In SW sample, higher <b>color</b> is	It is observed that GW samples collected, however, analysis report of the same is not submitted.  Therefore, Punjab PCB may carry out detailed site

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			reported.	investigation and submit progress of the same to CPCB. Sampling of sediment component and analysis result of GW samples may also be included.
4.	Mahaluxmi Orgo Chemical Industries, Nabha Road, Bhawanigarh, Sangrur	CS	<p>M/s Mahaluxmi Orgo Chemical industries was earlier in operation and was involved in the manufacturing of H-Acid. However, the Industry had closed down its operations and there are no industrial activities at this site. Further, PPCB had inspected and carried out soil and GW sampling.</p> <p>Analysis result reveals that:</p> <p>(i) No contamination is reported in soil samples.</p> <p>(ii) In GW samples, <b>colour, Copper, fluoride, TDS, sulphate</b> and <b>nitrate</b> are reported higher than acceptable limit of BIS.</p>	<p>With reference to Hon'ble NGT matter in O.A. No. 169 of 2021, vide order dated 20.07.2021 had constituted a five members Joint Committee comprising of CPCB, Regional Officer, MoEF&amp;CC, Chandigarh PCC, a nominee of Secretary, Environment Dept., Punjab and District Magistrate, Sangrur. The Joint Committee in its report dated 30.3.2022 submitted that ground water and soil has been contaminated due to illegal discharge of untreated trade effluent and dumping of hazardous waste by the industry more than 15 years ago, and also suggested short term and long term remediation plans of the contaminated site.</p> <p>Punjab PCB shall initiate detailed site investigation followed by remediation and submit the progress report to CPCB time to time.</p>
5.	Tajpur road MSW dump site, Ludhiana	CS	<p>PPCB had inspected the MSW site and carried out soil and GW sampling.</p> <p>Analysis result reveals that:</p> <p>(i) In GW samples, <b>colour</b> and <b>TDS</b> are reported higher than acceptable limit of BIS.</p> <p>(ii) Soil is contaminated with <b>Cu</b> and <b>As</b>.</p>	<p>Punjab PCB may initiate detailed site investigation and submit the report to CPCB within 2 months.</p>

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
6.	PSIEC Leather Complex, Jalandhar, Punjab	CS	PPCB had inspected the site and carried out soil and GW sampling. Analysis result reveals that: (i) In GW samples, <b>colour</b> is reported higher than acceptable limit of BIS. (ii) No contamination is reported in soil samples.	Punjab PCB may carry out few more samples of GW and submit the report to CPCB within 1 month.
7.	Kala Sanghia Drain, Jalandhar, Punjab 144623	PCS	PPCB had inspected and carried out soil, SW, and GW sampling. Analysis result reveals that: (i) <b>Colour</b> is reported in GW samples. (ii) In soil samples, <b>Chromium</b> is exceeded with the screening levels (w.r.t. agriculture/residential land-use). (iii) In SW samples, <b>Color</b> is exceeded with prescribed standards/ levels.	It is observed that sediment sampling not done wherein SW samples carried out. Therefore, Punjab PCB may carry out detailed site investigation and submit progress of the same to CPCB within 2 months. Sampling of sediment component may also be included.
8.	Nasrali Village, Mandi Gobindgarh- 147301	PCS	PPCB had inspected the site and carried out soil, SW, and GW sampling. Analysis result reveals that: - In soil samples, <b>Arsenic</b> is exceeded with the screening levels. - In GW samples, <b>Acidic pH, TDS and Nitrate</b> are reported higher than acceptable limit of BIS. - In SW samples, slightly <b>Acidic in nature</b> is reported.	
9.	Ajnali Village, Mandi Gobindgarh, Punjab.-147301	PCS	PPCB had inspected the site and carried out soil, SW, and GW sampling. Analysis result reveals that: - In soil samples, <b>Cadmium</b> is exceeded with the screening levels. - In GW samples, <b>TDS</b> is reported higher than acceptable limit of BIS. - <b>Nitrate</b> in SW sample is found as exceeding than the prescribed limits.	

## Rajasthan

Rajasthan SPCB has submitted action taken report for following 9 probable/contaminated sites vide its letter dated 11.09.2020. Accordingly, the reports were examined and following observations and suggestions are made as below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Rajasthan PCB	Observations/ Suggestions by CPCB
1.	Amanishah nalla, Sanganer Industrial Area, Jaipur	CS	Site is inspected by RSPCB and informed that hazardous wastes is not observed at the site. SW sampling is carried out and analysis result reveals contamination with <b>BOD &amp; COD</b> .	RSPCB may carry out sampling of sediment and submit report including analysis results of CoCs, general parameters and heavy metals along with colour photograph within <b>02 months</b> .
2.	Village Bichhadi, Block Girva, Rajasthan	CS	Site is inspected by RSPCB and informed that the issue is Sub judice before the Hon'ble Supreme Court. Soil and GW Sampling is carried out and analysis result reveals no contamination. <b>COD</b> is also reported in GW.	Concentrations of COCs are found within the range standard/SL. However, RSPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB along with colour photograph.  <b>It is proposed that the said site may be de-listed.</b>
3	Mewar Industrial area, University New Campus Road, Udaipur, Rajasthan-313001	PCS	i) Site is inspected by RSPCB and informed that hazardous wastes is not observed at the site. ii) Sampling of GW is carried out and analysis result reveals no contamination. <b>COD</b> is also reported.	Concentrations of COCs are found within the range standard/SL. However, RSPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB along with colour photograph.  <b>It is proposed that the said site may be de-listed.</b>
4	Jaitpur Village, Rohat Block, Pali, Rajasthan-306421	PCS	RSPCB has inspected the site followed by soil & GW sampling and submitted that: – Dump of hazardous wastes is not found at the site – In GW, <b>TDS</b> is found higher than BIS limit. <b>COD</b> is also reported. – Soil samples are analysed for CoCs and no contamination is found.	Concentrations of COCs are found within the range standard/SL. However, RSPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB along with colour photograph.  <b>It is proposed that the said site may be de-listed.</b>
5.	Bhilwara textile, Kothari river,	PCS	RSPCB has inspected the site followed by soil & GW sampling and submitted	Concentrations of COCs are found within the range

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Rajasthan PCB	Observations/ Suggestions by CPCB
	Rajasthan-311001		that: <ul style="list-style-type: none"> <li>– Dump of hazardous wastes is not found at the site</li> <li>– In GW, <b>TDS</b> is found higher than BIS limit. <b>COD</b> is also reported.</li> <li>– Soil samples are analysed for CoCs and no contamination is found.</li> </ul>	standard/SL. However, RSPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB along with colour photograph.  It is proposed that the said site may be de-listed.
6.	Zawar Mines, Udaipur, Rajasthan 313901	PCS	RSPCB has inspected the site followed by GW sampling and analysis result reveals that <b>TDS</b> is found higher than BIS limit. <b>COD</b> is also reported.	It is observed that sampling of soil, sediment, and surface water was not carried out. RSPCB may carry out preliminary investigation of the site along with sampling of all matrix based on the Reference document of CPCB and accordingly submit the report to CPCB <b>within two months</b> .
7.	M/S Puransons, RIICO Industrial Area, Bhiwadi, Alwar District, Rajasthan-301019	PCS		
8.	Rajpur Dariba mines, District- Rajasmand, Rajasthan -313324	PCS	RSPCB has inspected the site followed by soil & GW sampling and analysis result reveals as below: <ul style="list-style-type: none"> <li>– In GW, <b>TDS</b> is found higher than BIS limit. <b>COD</b> is also reported.</li> <li>– Soil samples are analysed for CoCs and contaminated with <b>Lead</b>.</li> </ul>	RSPCB may carry out detailed site investigation and submit report to CPCB <b>within 2 months</b> .
9.	Ramky waste management, Udaipur Rajasthan 313004	PCS	RSPCB has inspected the site followed by soil & GW sampling and submitted that: <ul style="list-style-type: none"> <li>– Dump of hazardous wastes is not found at the site</li> <li>– In GW, <b>TDS</b> is found higher than BIS limit. <b>COD</b> is also reported.</li> <li>– Soil samples are analysed for CoCs and no contamination is found.</li> </ul>	Concentrations of COCs are found within the range standard/SL. However, RSPCB shall carry on periodically GW sampling in and around the site and submit the report to CPCB along with colour photograph.  It is proposed that the said site may be de-listed.

### Uttarakhand

In Uttarakhand, there are 08 sites; wherein 07 sites identified as PCS and other 01 sites is as CS. Uttarakhand PCB has communicated detailed investigation reports for following 08 Probable/contaminated sites in 13.07.2022. The reports are examined and following observations and suggestions are made as below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPCCB	Observations/ Suggestions by CPCB
1.	Ibrahimpur Village, Bhadarabad, Haridwar District, Uttarakhand	CS	<p>UKPCB has carry out detailed site investigation based on the guidance document of MoEF&amp;CC and CPCB reference document.</p> <p>Analysis results w.r.t CoCs, heavy metals &amp; physical parameters of soil samples reveal no contamination.</p> <p>Analysis result w.r.t CoCs, heavy metals &amp; physical parameters of GW samples reveals no contamination.</p>	<p>Concentrations of COCs are found within the range standard/SL.</p> <p>It is proposed that the said site may be <b>de-listed</b>.</p>
2.	Village-Tansipur, Roorkee, Uttarakhand-247656	PCS → CS	<p>UKPCB has carry out detailed site investigation based on the guidance document of MoEF&amp;CC and CPCB reference document.</p> <p>Analysis results w.r.t CoCs, heavy metals &amp; physical parameters of soil samples reveal no contamination.</p> <p>Analysis result w.r.t CoCs, heavy metals &amp; physical parameters of <b>Surface water samples</b> reveals contamination with <b>Chromium</b>.</p> <p>Analysis result w.r.t CoCs, heavy metals &amp; physical parameters of GW reveals no contamination.</p>	<p>UPCB may carry out detailed site investigation and submit report to CPCB <b>within 2 months</b>.</p>
3	Kashipur Dist., Udham Singh Nagar Uttarakhand-244713	PCS	<p>UKPCB has carry out detailed site investigation based on the guidance document of MoEF&amp;CC and CPCB reference document.</p> <p>Analysis results w.r.t CoCs, heavy metals &amp; physical parameters of soil samples reveal no contamination.</p>	<p>Concentrations of COCs are found within the range standard/SL.</p> <p>It is proposed that the said site may be <b>de-listed</b>.</p>
4.	Moradabad Road , Kashipur Distt US Nagar, Uttarakhand-244713	PCS		
5.	Lalkuan Area, Dist-Nanital, Uttarakhand-262402	PCS		
6.	Ramnagar Industrial	PCS		

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UP CB	Observations/ Suggestions by CPCB
	Area and its adjoining area, Uttarakhand-244715		Analysis result w.r.t CoCs, heavy metals & physical parameters of GW and SW samples reveals no contamination.	

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