



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

Speed Post/E-mail

HON'BLE NGT MATTER

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

5722

October 21, 2024

To

The Member Secretary
SPCBs
(As per the list)

Sub: Minutes of the Twelfth Review Meeting with 6 SPCBs, held on 05.09.2024 for compliance to the directions of Hon'ble NGT (PB) order dated 29.01.2021 in OA No. 804 of 2017 in the matter of Rajiv Narayan & Ann Vs. Union of India & Ors; w.r.t, Contaminated sites

Sir,

Central Pollution Control Board had conducted 12th review meeting with SPCBs on 05.09.2024 through VC in compliance to the directions of Hon'ble NGT in the matter of OA No. 804 of 2017. Minutes of meeting is enclosed herewith for further necessary action.

Yours faithfully,

(V. P. Yadav)

Director & Head,
Waste Management Division-I

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाइट/Website : www.cpbc.nic.in



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CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार
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HON'BLE NGT MATTER

F. No. CP-26/3/2021-WM-I-HO-CPCB-HO 5728

October 21, 2024

To

The Member Secretary
SPCBs
(As per the list)

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Yours faithfully,

(V. P. Yadav)

Director & Head,

Waste Management Division-I

Copy to:

1. Regional Directorates, CPCB
(As per list)

: For kind information and request to follow-up the matter with concern SPCBs, please

(V. P. Yadav)

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

List of SPCBs:

1. The Member Secretary
Haryana Pollution Control Board
C-11, Sector-6 Panchkula, Chandigarh
Haryana-134109
2. The Member Secretary
Jharkhand State Pollution Control Board
T.A. Building, HEC, P.O. Dhurwa,
Ranchi-834 004
3. The Member Secretary
Maharashtra Pollution Control Board
Kalptaru Point, 3rd & 4th floor,
Opp. Cine Planet, Sion Circle,
Mumbai-400 022.
4. The Member Secretary
Punjab Pollution Control Board
Vatavaran Bhawan, Nabha Road
Patiala – 147 001
5. The Member Secretary
Telangana State Pollution Control Board
A-3, Paryavaran Bhavan, Sanath Nagar Rd,
Sanath Nagar Industrial Estate, Sanath Nagar,
Hyderabad-500018, Telangana
6. The Member Secretary
Uttar Pradesh Pollution Control Board
Building No. TC-12V,
Vibhuti Khand, Gomti Nagar, Lucknow – 226 010, UP

List of Regional Directorates, CPCB:

1. The Regional Director
Regional Directorate - Lucknow
PICUP Bhawan, Vibhuti Khand, Gomti Nagar,
Lucknow - 226010
2. The Regional Director
Regional Directorate - Chennai
No. 40-E, 2nd Floor, BSNL Building,
TVK Industrial Estate, CIPET Road, Guindy
Chennai, Tamil Nadu - 600032
3. The Regional Director
Regional Directorate – Kolkata
'South end Conclave' Block-502, 5th & 6th Floor,
1582, Razidanga, Main Road,
Kolkata-700107
4. The Regional Director
Central Pollution Control Board - Pune
ROW House No. 1, Sanjivani Nisarg,
Balewadi, Pune – 411045
5. The Regional Director
Central Pollution Control Board - Chandigarh
BSNL Telephone Exchange, 2nd Floor, Sector -49 C,
Chandigarh – 160047

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Final Minutes of the Twelfth Review Meeting with 6 SPCBs, held on 05.09.2024 for compliance to the directions of Hon'ble NGT (PB) order dated 29.01.2021 in OA No. 804 of 2017 in the matter of Rajiv Narayan & Ann Vs. Union of India & Ors; w.r.t, Contaminated sites

In compliance to Hon'ble NGT order dated 29.01.2021 in OA No. 804 of 2017, the matter of Rajiv Narayan & Anr. Vs. Union of India & Ors., twelfth review meeting with 06 SPCBs (namely, (i) Haryana, (ii) Punjab, (iii) Maharashtra, (iv) Jharkhand, (v) Uttar Pradesh, & (vi) Telangana) was held through VC on 05.09.2024 to discuss about the action plans and its implementations regarding assessment of contaminated/probable contaminated sites and its remediation. The meeting was chaired by Sh. V. P. Yadav, Director & Head, Waste Management Division-I, CPCB, Delhi. The meeting was attended by officials of concerned SPCBs, CPCB-Regional Directorates and dealing officials of CPCB, HO. List of the participants is given at **Annexure-I**.

At the outset, Sh. V. P. Yadav, Director & Head, welcomed all the participants and briefed the agenda of the meeting. Thereafter, Sh. G. Rambabu, Scientist-E, CPCB (HO), made the presentation on detailed action points to comply with various directions passed by Hon'ble NGT in aforesaid matters regarding identification, assessment and remediation of contaminated sites followed by the status of on-going DPR preparations and execution of remediation works by the Responsible parties. Accordingly, State wise status was discussed, as given at **Annexure-II** and its deliberations is given as below:

1. Haryana:

There are 14 sites in Haryana; wherein, 12 sites identified as probable contaminated sites (PCS) and other 02 sites are as contaminated sites (CS). In this regard, Haryana SPCB (HSPCB) has submitted the action taken reports on 04.09.2024 which could not be examined before the review meeting. Thereafter, the reports were examined and made following observations/suggestions are as below:

- (i) Out of 2 CS, in case of one (1) CS located at Sectors 25 & 29, Dyeing Industry, Panipat, Haryana, HSPCB submitted the old analysis reports (year 2020) without carrying out fresh sampling.

CPCB Suggestions: To ascertain the extent and level of contamination, joint site visit by the officials of HSPCB and CPCB (HO/RD) may be carried out within 2 months.

- (ii) For 01 PCS at Bandhwadi, landfill Site, Gurgaon-122001, 06 samples of groundwater and 04 samples of soil/sludge were collected & analysed by HSPCB. Analysis results reveal no contamination except higher nitrate content in groundwater.

CPCB Suggestions: To verify the presentation condition of the area, Joint site visit followed by adequate sampling by the officials of HSPCB and CPCB (HO) may be carried out within 2 months.

- (iii) For other 11 PCS, it has been observed that only 01/02 samples of soil & water were collected and analysed by HSPCB. In few cases, either water samples or soil/sediment samples are collected and analysed.

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CPCB Suggestions: For the aforesaid sites, adequate no. of sampling (i.e. from 5-6 locations) for different matrices should be carried out. In this regard, HSPCB should comply the suggestions/observations made by CPCB as given at **Annexure-II**.

2. Jharkhand:

There are 14 sites in Jharkhand; wherein, 13 sites were identified as PCS and other 01 site was as CS.

- (i) For CS at Roro hills, Jharkhand, the Detail Project Report (DPR) along with status & progress report of on-going remediation work were sought by CPCB. Accordingly, Jharkhand SPCB (JSPCB) has informed that the same will be submitted at the earliest.

CPCB Suggestions: JSPCB should submit the aforesaid reports within 02 weeks without any further delay. In this regard, CPCB-Regional Directorate, Kolkata may coordinate with Jharkhand PCB for earlier submission.

- (ii) For other 13 sites, Jharkhand SPCB has informed that fresh sampling will be carried out the and submit the investigation reports.

CPCB Suggestions: Adequate number of samples (from 05/06 locations) for different matrices should be carried out during pre & post monsoon session and submit the reports as per the prescribed format. In this regard, JSPCB may comply the suggestions/observations made by CPCB, given at **Annexure-II**.

3. Maharashtra:

There are 06 sites in Maharashtra; wherein, all sites are identified CS. Out of which;

- (i) For CS at M/s Godavari Bio-Refineries, Ahmednagar District, Maharashtra, MPCB has informed that the progress report will be submitted in 02-03 days.

CPCB Suggestions: MPCB may provide the progress report of aforesaid on-going bio-remediation within one week. Further, to evaluate the performance of on-going remediation works, joint visit by the officials of CPCB (HO & RD) and MPCB to be carried out within 3 months.

MPCB is also suggested to investigate the recent public complaints received regarding the pollution caused by the M/s Somaiya Bio Refineries Sakharwadi (formerly M/s Godavari Bio-Refineries, Ahmed Nagar District, Maharashtra) and submit the ATR with 2 weeks.

- (ii) For other 05 CS, MPCB has informed that the action taken reports will be submitted in 02-03 days.

CPCB Suggestions: MPCB should submit the ATRs within two weeks with complying the suggestions/observations made by CPCB as given at **Annexure-II**. In this regard, CPCB-Regional Directorate, Pune may coordinate with MPCB for earlier submission of said ATRs.

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6. Uttar Pradesh:

There are 29 sites in UP; wherein 18 sites were identified as PCS and other 11 sites are as CS. In this regard, UPPCB has submitted the action taken reports (ATRs) vide email dated 04.09.2024, which could not be examined before the review meeting. Thereafter, the reports were examined and made following observations/suggestions are as below:

- i) In case of Chromium contaminated sites at Rania, Kanpur Dehat, UPPCB has informed that in compliance of the directions of Hon'ble NGT orders in the matter of OA No. 200/2014 and 985 & 986/2019, work orders have been awarded to TSDF operators by the District Administration, Kanpur Dehat, UP for lifting & disposal of remaining Chromium waste through TSDFs. Accordingly, lifting & disposal of waste followed by stabilization through TSDFs is underway.

CPCB suggestion: CPCB (HO) and UPPCB visited the site on 16th April, 2024 for Pre-monsoon groundwater quality monitoring and to verify the completion of lifting & disposal of chromium contaminated waste through TSDFs as well as the present status of the contaminated site. Further, it was suggested that as per the DPR prepared by CPCB, contaminated soil should be remediated. As per the directions passed by Hon'ble NGT, PB vide order dated 16.05.2023 regarding GW, pilot remediation project should be taken up at the earliest.

- ii) In case of pesticide contaminated sites at IPL-Deva Road, Lucknow, CPCB and UPPCB jointly visited the site on 15th April, 2024 for Pre-monsoon monitoring and to verify present status of the site.

CPCB suggestion: Analysis results of GW and soil samples revealed exceeded concentration w.r.t., site specific target levels (SSTLs) for pesticides (i.e., α -HCH, β -HCH, γ -HCH) specified in the DPR prepared by CPCB. Hence, it is suggested that post-monsoon sampling should be carried out jointly by CPCB and UPPCB to ascertain the present condition of the aforesaid contaminated sites.

- iii) For remaining sites, UPPCB has informed that they had submitted the report on 04.09.2024. However, it was submitted that, CPCB will review the same and communicate the observations.

CPCB suggestion: UPPCB should comply the suggestions/observations made by CPCB as given at Annexure-II and submit its action taken report as per given timelines.

Recommendations:

1. Disposal of visible/identified hazardous waste through secured landfill

- SPCBs shall prepare plan to lift and dispose of visible/identified hazardous waste followed by stabilization through secured landfill
- It is to ensure that lifting and disposal of visible/identified hazardous waste followed by stabilization through TSDFs/SLFs shall be as per available guidelines/SOPs and the Hazardous and Other Wastes (Management & Transboundary Movement), Rules, 2026 (HOWM Rules, 2016)

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4. Punjab:

There are 08 sites in Punjab; wherein, all sites are identified as CS. Out of which;

- (i) For 01 CS at M/s Mahalaxmi Orgo Chemical Industries, Nabha Road, Bhawanigarh, Sangrur w.r.t., Punjab PCB (PPCB) has submitted that Hon'ble NGT vide order dated 28.05.2024 in M.A. No. 103/2022, in OA No. 169/2021, constituted 03-member joint committee comprising members from CPCB, PPCB & NEERI and submitted its interim report dated 20.08.2024 by PPCB as coordinating agency.

CPCB Suggestions: PPCB should submit detailed action plans for execution of remediation works at cost of Rs. 105 cr along with cost break-up. Further, PPCB should submit the details of the disposal of the waste/ contaminated soil through secured landfill including treatment methods, time durations and groundwater treatment options within 1 month.

- (ii) For other 07 CS, PPCB communicated to CPCB vide letter dated 19.04.2024 that Board has already completed the sampling and analysis is underway, after completion of analysis part, the report of the same will be submitted to CPCB as the earliest. In this regard, PPCB also affirmed the same during the review meeting.

CPCB Suggestions: PPCB should provide the ATRs within one month with complying the suggestions/observations made by CPCB as given at **Annexure-II**. In this regard, CPCB-Regional Directorate, Chandigarh may coordinate with PPCB for earlier submission of said ATRs.

5. Telangana:

There are 10 sites in Telangana; wherein, 07 sites identified as probable contaminated sites (PCS) and other 03 sites are as contaminated sites (CS). During the meeting, TSPCB has informed that Action taken reports (ATRs) have been forwarded to CPCB. However, the ATRs were received on 06.09.2024, and site specific suggestions made by CPCB is given at **Annexure-II**.

Further, it is informed that contaminated site at "M/s Deccan Chromates Ltd., Damaracherla, Nalgonda District, Telangana", TSPCB inspected the premises followed by sampling of waste, leachate, water and soil sample during January-March, 2023. During the visit, it was found that presently about 40,000 MT of waste is stored at the premises. However, action taken on lifting & disposal of HW followed by proposal on preparation of DPR is awaited.

CPCB suggestion: HW shall be lifted and disposed followed by stabilization through secure manner within **six months**. 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 TGPCB at the rate of Rs. 10 lakh per site. In this regard, TGPCB may direct to M/s Deccan Chromates Ltd., and CPCB-RD, Chennai is requested to follow up the issue with TSPCB.



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In case of failure to comply, as per the Hon'ble NGT order dated 26.08.2019 in OA No. 804/2017, environmental compensation (EC) shall be imposed to concerned SPCBs at the rate of Rs. 10 lakh per site.

2. Preliminary site assessment/detailed site investigations

- To ascertain the extent and nature of contamination, SPCBs shall carry out preliminary site assessment followed by sampling of soil/GW/SW/sediment from at least 3-4 locations of each matrix (as applicable) as per the timelines specified at **Annexure-II** and accordingly submit the reports to CPCB.
- SPCBs shall carry out detailed site investigation, wherein concentration levels exceeded the screening levels/standards during the preliminary site assessment.

3. States to take responsibility

- For high risk "Orphan Sites", where there is historic dumping & for which DPRs have already been prepared under various project, and the polluter could not be identified or polluter is not in a position to pay for remediation costs.

In this regard, SPCBs may follow-up with concerned State Govt. for execution of remediation works.

4. Update the "Inventory of contaminated Sites"

- SPCBs need to be updated the 'Inventory of contaminated sites' from time to time
- Furnish the updated inventory to CPCB for maintaining a national list in public domain.

5. Constitute State Level Empowered Monitoring Committee (SLEMC)

SPCBs shall constitute State Level Empowered Monitoring Committee (SLEMC), having representatives from Dept. of Environment, Industries Dept., SPCB/PCC, CGWA/SGWA, relevant Experts, etc. within one month for effective implementation of remediation plans.



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Annexure-I

List of officials participated (through VC)

CPCB Officials (HO)-

1. Sh. V. P. Yadav, Director & Head, WM Division-I,
2. Sh. G. Rambabu, Scientist-E, WM-I
3. Sh. Kamlesh Singh, Scientist-E, IPC-III,
4. Sh. Rishabh Srivastava, Scientist-C, IPC-III,
5. Sh. Manoj Kumar, Scientist-B, WM-I
6. Dr. Gargi Biswas, RA-III, WM-I
7. Sh. Thorat Siddhesh, SLA, WM-I

CPCB, Regional Directorates

8. Sh. Pratik Barni, Scientist-E & Regional Director, CPCB-RD, Pune
9. Ms. H. D. Varalaxmi, Scientist-E & Regional Director, CPCB-RD, Chennai
10. Sh. Kamal Kumar, Scientist-E & In-charge, CPCB-RD, Lucknow
11. Dr. R Rajkumar, Scientist-E, CPCB-RD, Chennai,
12. Sh. Sandeep Roy, Scientist-D, CPCB-RD, Kolkata
13. Sh. J. P. Meena, Scientist-D, CPCB-RD, Chandigarh
14. Sh. Arvind Kumar, Scientist-C, CPCB- RD, Lucknow

SPCBs

[(i) Haryana, (ii) Jharkhand, (iii) Maharashtra, (iv) Punjab, (v) Telangana, & (vi) UP]

15. Sh. Rajinder Sharma, EE, HSPCB
16. Sh. Kumar Manibhushan, EE, JSPCB
17. Ms. Manju Kumari, CE, JSPCB
18. Sh. Sandeep Shinde, RO, MPCB
19. SEE/Representative, ZO-2, Patiala, PPCB
20. Dr. M. Praveen Kumar, SEE, TGPCB
21. Sh. Rajendra Singh CEO, UPPCB
22. Sh. Amit Mishra, RO, UPPCB
23. RO/Representative Unnao, UPPCB
24. RO/Representative Prayagraj, UPPCB
25. RO/Representative Meerut, UPPCB
26. RO/Representative Ghaziabad, UPPCB
27. RO/Representative Noida, UPPCB
28. RO/Representative Firozabad, UPPCB
29. RO/Representative Varanasi, UPPCB
30. RO/Representative Agra, UPPCB
31. RO/Representative Bijnor, UPPCB
32. RO/Representative Kanpur-Dehat, UPPCB
33. RO/Representative Lucknow, UPPCB

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Annexure-II

State wise of Contaminated sites

S. No.	States/UTs	Updated status as on August, 2024			Remediation Work (Underway)	DPR completed & Remediation required	DPR Required
		Total Sites	Probable Sites (PCS)	Contaminated Sites (CS)			
1.	Haryana	14	12	2			
2.	Jharkhand	14	13	1	1		
3.	Maharashtra	6	0	6	1		5
4.	Punjab	8	0	8		1	
5.	Telangana	10	7	3		1	1
6.	Uttar Pradesh	29	11	18	2	1	7

State wise compliance status on Action taken by 06 SPCBs, viz. (i) Haryana, (ii) Jharkhand, (iii) Maharashtra, (iv) Punjab, (v) Telangana, & (vi) Uttar Pradesh is given below:

Haryana:

Haryana State Pollution Control Board (HSPCB) has submitted action taken report vide its email/letter dated 04.09.2024 for following 14 probable/contaminated sites in Haryana. Accordingly, the reports were examined and made the following observations and suggestions is as below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
1.	Prem Colony, Kundli Sonapat	CS	<p>Inspection was carried out by HSPCB on 15.11.2023 followed by GW sampling on 22.11.2023 and soil sampling on 17.11.2023.</p> <p>i) 02 GW samples were collected and analysed by HSPCB Laboratories and claimed that no contamination is found in groundwater samples. But, the ATR does contain the Laboratory analysis report of GW.</p> <p>ii) 02 soil samples were collected and analysed by GEPIL. The leaching concentration are reported in the analysis report instead of</p>	<p>The ATR submitted by the HSPCB does not contain the laboratory analysis report of GW samples. The leaching concentrations are reported in the analysis report of soil instead of total concentration of metals or ions in the soil.</p> <p>Suggestions:</p> <p>Since, only 02 samples of each GW and soil samples were collected, it may be difficult to conclude whether the site is contamination.</p> <p>To ascertain the level & extent of contamination, Joint site</p>

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
			total concentration of metals or ions in the soil.	visit by the officials of HSPCB and CPCB (HO/RD) may be carried out within 2 months.
2.	Sectors 25 & 29, Dyeing Industry, Panipat, Haryana	CS	HSPCB has submitted that sampling of top surface, bottom surface soil and ground water was done at site and as per analysis report the site is not a contaminated site.	It was observed that HSPCB has submitted the old report without carrying out fresh sampling as suggested in previous review meetings. Suggestion: To ascertain the level & extent of contamination, Joint site visit by the officials of HSPCB and CPCB (HO/RD) may be carried out within 2 months.
3.	Pace City-II, Sector 37, Gurgaon Haryana	PCS	Inspection was carried out by HSPCB on 23.08.2024 followed by GW and soil (top surface and underground both) sampling. Presently, there is no water cesspool available on the site as verified on dated 04.02.2020, 11.06.2020 & 23.08.2024. Analysis results of Soil and GW reveal no contamination.	Since only 01 sample of each GW and soil were collected, it may be difficult to conclude whether the site is contaminated. Suggestions: To verify the present status of the site, Joint site visit by the officials of HSPCB and CPCB (HO) may be carried out within 2 months.
4.	Open Space in front of 360E PACE City -2, Sector 37- B Gurgaon-122002	PCS		
5.	Near Gayatri Automation, PACE City -2, Sector 37 Gurgaon-122002	PCS		
6.	Bajghera Village, Palam Vihar, Gurgaon, Haryana-122017	PCS	HSPCB conducted sampling on 22.03.2024 and submitted that the said site is located at residential area and no dumping of hazardous waste is observed. As per GW sample analysis result site is not contaminated.	
7.	Bandhwadi, landfill Site,	PCS	Inspection was carried out by HSPCB on 21.03.2024 followed by GW and sludge sampling.	06 samples of groundwater and 04 samples of soil/sludge were collected and the analysis

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
	Gurgaon-122001			<p>results reveals no contamination except higher nitrate content in groundwater.</p> <p>Suggestions: To verify the presentation condition of the area, Joint site visit followed by adequate sampling by the officials of HSPCB and CPCB (HO) may be carried out within 2 months.</p>
8.	Palla Village, Faridabad district, Haryana-121003	PCS	<p>The site was inspected by HSPCB on 30.11.2023. During inspection, it is found that the site coordinates depict a residential sector (Sector-28-29, Faridabad) since a very long time and there is no contamination of any kind on the site. Earlier samples of the soil and ground water was collected and analysis report shows normal results and same are not showing any contamination.</p> <p>Village-Palla, Faridabad-District, Haryana where alleged polluter is CETP, Badarpur which is located under the ambit of Delhi Pollution Control Committee (DPCC) and HSPCB carried out water sample of Gurgaon Canal and Agra Canal.</p>	<p>HSPCB has submitted the analysis report of 01 sample of each soil and water were collected in the year 2020 and it was also observed that soil samples were not analysed for CoCs.</p> <p>Further, It has been observed that only one water sample each from Gurgaon Canal & Agra Canal was collected and analysed by HSPCB. The analysis results reveal no contamination with respect to heavy metals but presence of coliform in canals has been reported.</p> <p>Suggestions: To ascertain the level & extent of contamination, Joint site visit by the officials of HSPCB and CPCB (HO/RD) may be carried out within 2 months.</p>
9.	Autopin Colony Sector-22, Faridabad-121002	PCS	<p>Inspection was carried out by HSPCB on 21.03.2024 followed by GW sampling.</p>	<p>Since, only 01 sample of each GW and soil was collected, it may be difficult to conclude</p>

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
10	Nalla Near Sector 22, Faridabad, Haryana-121002	PCS	It is submitted that No surface water was found at the time of inspection. As per analysis report there is no contamination of tested chemicals of concerns.	whether the site is contamination. Suggestions: To verify the present status of the site, Joint site visit by the officials of HSPCB and CPCB (HO) may be carried out within 2 months.
11.	Agra Canal - Near Sector 25, Faridabad, Haryana-121004	PCS		
12.	Manakpura Industrial Estate Jagadhri to Yamuna River, Yamunanagar District-135001	PCS	Inspection was carried out by HSPCB on 19.06.2024 followed by water and soil sampling. Analysis result of water samples reveal that the all parameters are found within limits and no contamination is observed. As per analysis of soil sample no contamination was found in soil of contaminated site.	
13.	Pinjore-Baddi Highway from Village Kona to Maranwala, Panchkula - 134102	PCS	Inspection was carried out by HSPCB and soil samples were collected from the site on 10.05.2023 by the HSPCB. Note: It was observed that analysis result of GW and soil sample is not submitted.	04 soils are collected and analysed by HSPCB and no contamination is observed except higher level of iron. No GW sampling is carried out from the site. Suggestions: It is suggested to carry out GW sampling from multiples (04/05) locations and analyse for CoCs with general parameters and heavy metals and submit the report to CPCB with proper geo-coordinates of the samples collected and site photographs within 1 month.
14.	Bhindwas Bird Sanctuary, Jhajjar,	PCS	HSPCB inspected the site on 27.09.2023 followed by GW sampling from Bhindawas Bird Sanctuary and hand pumps at	03 water samples are collected by HSPCB and none of parameter exceeds the prescribed limits. But no soil

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Haryana PCB	Observations/ Suggestions by CPCB
	Haryana-124507		Peer Baba Majar and Near JLN Escape Channel, Vill. Chadwana, Near Bhindawas Sanctuary. As per Analysis report no contamination in the water of Bhindawas Bird Sanctuary is reported.	and sediment sampling was carried out. Suggestions: HSPCB may carry out sediment and soil sampling from multiples (5-6) locations along with groundwater samples and analyse for CoCs with general parameters and heavy metals and submit the report to CPCB with proper geo-coordinates of the samples collected and site photographs within 1 month.

Jharkhand:

Jharkhand PCB has communicated action taken reports for following 14 probable/contaminated sites vide its letter dated 02.12.2021 as per CPCB format. 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 Jharkhand PCB	Observations/ Suggestions by CPCB
1.	Roro hills, Jharkhand - 833201	CS	i. Detailed investigation report, prepared by DFO on "Rehabilitation of Roro abandoned asbestos mines" along with remediation status as per direction of Hon'ble NGT is submitted. ii. In was informed that, remedial action is taken by Dept. of Mining, Jharkhand.	It was observed that no action taken report has been received till date despite several request in the previous review meetings. Suggestions: In this regard, it is suggested that Jharkhand SPCB should provide a copy of DPR prepared for the said on-going remediation work, which is under taken by Dept. of Mining, Jharkhand along with progress report of remediation works within 1 month. Further, it is suggested that a joint visit

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by Jharkhand PCB	Observations/ Suggestions by CPCB		
				of the site to verify the on-going remediation by the team of officials from CPCB (HO & RD) and JSPCB may be carried out within 2 months.		
2	Manikui-Chandil Swarnarekha River Polluted Site, Seraikella- Kharswan, Jharkhand	PCS	Jharkhand PCB has not submitted preliminary site assessment (PSA) report with more number of samples from 5-6 location (for each site) as per CPCB reference document.	It is observed that no action taken reports submitted by the JSPCB, it is suggested that JSPCB should carry out sampling of sediment/ soil/SW/ groundwater from 5-6 locations of each site in both pre & post monsoon seasons and submit post-monsoon reports with proper geo-coordinates of the samples collected and site photographs within 2 months (December, 2024) and thereafter pre-monsoon reports within 4 months (April, 2025) without any failure.		
3	Shib Ghat Jugsalai Kharkai River Contaminated Site, Jamshedpur, Jharkhand-831001	PCS				
4	Ratanpur Raghunathpur Kanki, Seraikella- Kharswan, Jharkhand-832401	PCS				
5.	Chasnala - Damodar River Polluted Site Dhanbad Jharkhand-826001	PCS				
6.	Domohani Kharkai River Jamshedpur, Jharkhand-831001	PCS				
7.	Sindri - Damodar Polluted Site Dhanbad-826001	PCS				
8.	Kandra Polluted Site, Seraikella- Kharswan, Jharkhand-831001	PCS				
9.	Ghatshila, Subarnarekha River, East Singhbhum, Jharkhand-831001	PCS				
10.	Lupungdih Subarnarekha River Polluted Site, East Singhbhum Jharkhand-831001	PCS			As per earlier report, it was submitted that assessment work is awarded to M/s SGS India Pvt. Ltd. Analysis result of the samples was not submitted.	Jharkhand PCB should submit the report of site assessment with proper geo-coordinates of the samples collected and site

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Jharkhand PCB	Observations/ Suggestions by CPCB
11.	Sonari Chatt Ghat Subarnarekha River Polluted, Jamshedpur, Jharkhand-831001	PCS		photographs with 1 month without any failure.
12.	Pataratu Thermal Power Plant, Jharkhand Electricity Board, Paratu Village Near Ranchi-834002	PCS	As per previous report, site was inspected by Jharkhand PCB and submitted that the said power plant is undertaken by M/s Pataratu Vidyut Utpadan Nigam, which was under construction. However, sampling was not done.	It is observed that no action taken reports submitted by the JSPCB, it is suggested that JSPCB should carry out sampling of sediment/ soil/SW/ groundwater from 5-6 locations of each site in both pre & post monsoon seasons and submit post-monsoon reports with proper geo-coordinates of the samples collected and site photographs within 2 months (December, 2024) and thereafter pre-monsoon reports within 4 months (April, 2025) without any failure.
13.	Chandrapura Thermal Power Station DVC Bokaro Jharkhand - 827001	PCS	i. Site was inspected by Jharkhand PCB followed by SW and sediment sampling. ii. It is also submitted that power-plant ash pond was near to the location and seepage flow from this pond to river may be occurred. iii. Analysis result of SW and sediment reveals no contamination.	
14.	Adityapur Ind. Area, Near Jamshedpur, Behind Pepsi Factory, Ranchi- 834002	PCS	i. Site was inspected by Jharkhand PCB followed by SW and GW sampling. ii. It is also submitted that factory of M/s PepsiCo is situated at the immediate of the site. iii. Analysis result of SW reveals no contamination. iv. Analysis result of groundwater reveal about contamination with TDS, Lead & Chloride .	Jharkhand PCB should carry out detailed site investigation as per the "Guidance documents for assessment and remediation of contaminated sites in India" available in CPCB website. In this regard, should submit investigation plan within 2 weeks to CPCB.

Punjab:

Punjab PCB vide its letter dated 01.11.2023 has submitted action taken report on 08 contaminated sites in Punjab. In this regard, observations/suggestions of CPCB are as below:

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S. No.	Name of the Site	CS/PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
1.	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, as per Hon'ble NGT M.A no. 103 of 2022 in O.A no. 169 of 2021, vide order dated 28.05.2024.</p> <p><i>....."7: We are also of the view that after shifting of the soil from the area concerned, the restoration of the land is required to be done. Hence, we form a joint Committee comprising of the representative of Member Secretary, CPCB; representative of NEERI and the representative of the PPCB. The representative of the PPCB will act as coordinating agency.</i></p> <p>8: The joint Committee will oversee the work of shifting of contaminated soil and also the restoration of the land which was contaminated. The Committee will particularly consider:</p> <p><i>(i) In case of transportation of contaminated soil/ sludge to common TSDF site, stabilization/ processing should be done in accordance with HOWM Rules and SOP laid down by CPCB.</i></p> <p><i>(ii) The Report of compliance should indicate effects of utilization of colored water from wells for irrigation including health of villagers and cattle.</i></p> <p><i>"9: The joint Committee will submit the interim report through CS by 31.08.2024 and the subsequent report by 30.11.2024 and if required, every month thereafter till the work is over, before the Registrar General of this Tribunal by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of</i></p>	<p>✓ With reference to Hon'ble NGT matter M.A No. 103 of 2022 in O.A No. 169 of 2021, vide order dated 28.05.2024 had constituted a 03 members Joint Committee;</p> <p>✓ The said Joint Committee submitted an interim report vide dated 20.08.2024. However, in the said report no remediation plan followed by lifting & disposal of hazardous waste/soil is submitted as per HOWM Rules/SOP prepared by CPCB;</p> <p>✓ Further, the Competent authorities of PPCB has decided to recover remediation cost (i.e., INR 105 cr) from the polluter;</p> <p>Suggestions: PPCB should submit detailed action plans for execution of remediation works at cost of Rs. 105 cr along with cost break-up. Further, PPCB should submit the details of the disposal of the waste/contaminated soil through secured landfill including treatment methods, time durations and</p>

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S. No.	Name of the Site	CS/PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			<i>Image PDF and if found necessary, the matter will be listed before the Bench for consideration after submission of second report."</i>	groundwater treatment option within 1 month.
2.	Basti Sheikh, Jalandhar	CS	<p>PPCB has Inspected the dumpsite and carried out soil sampling from 2 locations and GW sampling from 1 location. Presently park has been developed at the site. Analysis result reveals that:</p> <ul style="list-style-type: none"> i. GW parameters are within the acceptable/permissible limits as per Indian Standard for Drinking Water). ii. Soil is contaminated with Zinc w.r.t., screening level of Residential land use. 	<p>It was observed that only 01 GW sample collected. Hence, it may be difficult to draw a conclusion whether the site is contaminated or not. It is also observed that soil is contaminated with HM.</p> <p>Accordingly, Punjab PCB was suggested to carry out adequate (5-6) number of soil samples in & around the site and submit the investigation report to CPCB within 2 months. However, no investigation/ATR is received till date.</p> <p>Suggestions: It is suggested that investigation report to be submitted within 01 month. In this regard, CPCB RD, Chandigarh may follow-up with PPCB for early submission of the said Report.</p>
3.	Hambran Road MSW Dump Site, Ludhiana	CS	<p>PPCB has inspected the MSW dumpsite and carried out soil and GW sampling. Analysis result reveals that:</p> <ul style="list-style-type: none"> i. GW parameters are within the acceptable/permissible limits as per Indian Standard for Drinking Water. 	<p>It was observed that only 01 sample of each soil & GW collected. Hence, it may be difficult to draw a conclusion whether the site is contaminated or not.</p> <p>Accordingly, Punjab PCB was suggested to carry out</p>

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S. No.	Name of the Site	CS/PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			<p>ii. Soil samples reveal no contamination. However, it is alkaline in nature.</p>	<p>adequate (5-6) number of soil samples in & around the site and submit the investigation report to CPCB within 2 months. However, no revised investigation report is received till date.</p> <p>Suggestions: It is suggested that investigation report to be submitted within 01 month. In this regard, CPCB RD, Chandigarh may follow-up with PPCB for early submission of the said Report.</p> <p>Note: <i>Based on the revised investigation report, decision will be taken whether the site be de-listed or further investigation is needed.</i></p>
4.	Tajpur road MSW dump site, Ludhiana	CS	<p>PPCB has inspected the MSW dumpsite and carried out soil and GW sampling from 2 locations. Analysis result reveals that:</p> <p>i. GW parameters are within the acceptable /permissible limits for all parameters (As per Indian Standard for Drinking Water).</p> <p>ii. Soil is contaminated with Copper, Nickel, & Zinc w.r.t., screening level of Industrial land use.</p>	<p>It was observed that only 02 samples of each soil & GW collected. Hence, it may be difficult to draw a conclusion whether the site is contaminated or not.</p> <p>Further, it is reported that soil is contaminated with HM.</p> <p>Accordingly, Punjab PCB was suggested to collect adequate (5-6) number of soil samples in & around the site and submit the detailed investigation report to CPCB within 2</p>

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S. No.	Name of the Site	CS/PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
				<p>months. However, no detailed investigation report is received till date.</p> <p>Suggestions: It is suggested that detailed investigation report to be submitted within 01 month. In this regard, CPCB RD, Chandigarh may follow-up with PPCB for early submission of the said Report.</p>
5.	Buddha Nullah, Ludhiana, Punjab	CS	<p>As per old report submitted by PPCB, it was informed that regular monitoring of the Buddha Nullah is being carried out by PPCB as industrial effluent was carried through it.</p> <p>PPCB has inspected the site and carried out soil sampling from 2 locations, surface water and groundwater sampling from 1 location. Analysis result reveals that:</p> <ul style="list-style-type: none"> i. GW parameters are within the acceptable/permmissible limits as per Indian Standard for Drinking Water. ii. Parameters for surface water samples are within the limit of standard w.r.t, inland surface water discharge, except: TDS, hardness and Nitrate; iii. Soil samples reveal no contamination. 	<p>It was observed that only 01 sample of each soil, SW & GW sample collected. Hence, it may be difficult to draw a conclusion whether the site is contaminated or not.</p> <p>Accordingly, PPCB was suggested to collect adequate (5-6) number of soil/water/sediment, etc. samples in & around the site and submit the investigation report to CPCB within 2 months. However, no investigation report is received till date.</p> <p>Suggestions: It is suggested that investigation report to be submitted within 01 month. In this regard, CPCB RD, Chandigarh may follow-up with PPCB for early submission of the said Report.</p>
6.	PSIEC Leather Complex, Jalandhar, Punjab	CS	<p>PPCB has inspected the site and carried out soil, GW and surface Water sampling from 1 location. Analysis result reveals that:</p>	<p>It was observed that only 01 sample of each soil, SW & GW sample collected. Hence, it may be difficult to draw a conclusion whether the site is contaminated or not.</p> <p>Accordingly, PPCB was suggested to collect adequate (5-6) number of soil/water/sediment, etc. samples in & around the site and submit the investigation report to CPCB within 2 months. However, no investigation report is received till date.</p> <p>Suggestions: It is suggested that investigation report to be submitted within 01 month. In this regard, CPCB RD, Chandigarh may follow-up with PPCB for early submission of the said Report.</p>

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S. No.	Name of the Site	CS/PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			<p>(i) GW parameters are within the acceptable/permmissible limits as per Indian Standard for Drinking Water, except: TDS and Hardness.</p> <p>(ii) Soil samples reveal no contamination. However, it is alkaline in nature.</p>	
7.	Kala Sanghia Drain, Jalandhar, Punjab144623	CS	<p>PPCB has inspected the site and carried out soil, GW and surface Water sampling from 01 location. Analysis result reveals that:</p> <p>(i) parameters of GW samples are within the acceptable/permmissible limits as per Indian Standard for Drinking Water, except: Hardness.</p> <p>(ii) Parameters for Surface water samples are within the limit of standard w.r.t, inland surface water discharge, except: TDS, and hardness;</p> <p>(iii) Soil samples are alkaline in nature at the bank of drain. Further, analysis result revealed that soil is contaminated with Copper, Chromium, Nickel, & Zinc w.r.t., screening level of Industrial land use.</p>	<p>As soil contamination is reported with heavy metals, PPCB was suggested to carry out detailed site investigation by taking adequate no. of samples (each matrices about 6-8 samples including sediment, in case of soil at different depth, may refer CPCB reference document) and submit the report to CPCB within 2 months. However, no detailed investigation report is received till date.</p> <p>Suggestions: It is suggested that detailed investigation report to be submitted within 01 month. In this regard, CPCB RD, Chandigarh may follow-up with PPCB for early submission of the said Report.</p>
8.	Nasrali Village, Mandi Gobindgarh- 147301	CS	<p>PPCB has inspected the site and carried out soil sampling from 02 locations, GW and surface water sampling from 01 location. Analysis result reveals that:</p> <p>(i) parameters of GW samples are within the acceptable/permmissible limits as</p>	<p>It was observed that only limited soil & GW samples collected. Hence, it may be difficult to draw a conclusion whether the site is contaminated or not.</p>

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S. No.	Name of the Site	CS/PCS	Action taken/initiated by Punjab PCB	Observations/ Suggestions by CPCB
			<p>per Indian Standard for Drinking Water.</p> <p>(ii) Parameters for Surface water samples are within the limit of standard w.r.t, inland surface water discharge.</p> <p>(iii) Soil samples are alkaline in nature and no contamination is reported.</p>	<p>Accordingly, Punjab PCB was suggested to collect adequate (5-6) number of soil/sediment/water samples in & around the site and submit the investigation report to CPCB within 2 months. However, no revised investigation report is received till date.</p> <p>Suggestions: It is suggested that detailed investigation report to be submitted within 01 month. In this regard, CPCB RD, Chandigarh may follow-up with PPCB for early submission of the said Report.</p> <p>Note: <i>Based on the revised investigation report, decision will be taken whether the site be de-listed or further investigation is needed.</i></p>

Maharashtra:

Maharashtra Pollution Control Board (MPCB) has submitted action taken report on 06 contaminated sites (CS) vide its email communications dated 16.11.2021. 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 MPCB	Observations/ Suggestions by CPCB
1.	M/s Godavari Bio-Refineries, Ahmed Nagar District, Maharashtra	CS	Contaminated groundwater is being remediated by applying Bioremediation technique since September, 2017 and the same is underway.	MPCB was suggested to monitor progress of remediation work and submit progress report to CPCB from time to time. However, no

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
				<p>progress report is received till date.</p> <p>Suggestion: To evaluate the performance of on-going remediation works, joint visit by the officials of CPCB (HO & RD) and MPCB may be carried out within 3 months.</p>
2.	Mithi River, Mumbai, Maharashtra	CS	<p>MPCB issued direction u/s 5 of E(P)A 1986 to Municipal Corporation of Greater Mumbai (MCGM).</p> <p>The work of preliminary site assessment is awarded to CSIR-NEERI and proposal is submitted (as on 2020).</p>	<p>MPCB was suggested to submit the compliance status of directions issued to MCGM and status report on assessment works. However, no compliance status/ATR is received till date.</p> <p>Suggestion: MPCB is suggested to submit the compliance status of directions issued to MCGM and status report on assessment works within 02 weeks.</p> <p>In this regard, CPCB RD, Pune may be follow-up with MPCB for early submission of compliance status and assessment report for further course of action.</p>
3	Deonar, Mumbai, Maharashtra 400088	CS	<p>MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below:</p> <p>(i) Sampling of soil, GW and surface water was carried out.</p> <p>(ii) Analysis results of Leachate reveals about contamination of TDS, Iron, Fluoride & Nitrate.</p> <p>(iii) Analysis results of groundwater reveals about contamination of Sulphate,</p>	<p>Draft Site assessment report was reviewed and it was observed that soil & groundwater is contaminated.</p> <p>MPCB was suggested to collect sediment samples from those points wherein SW sampling was carried out and submit analysis results of CoCs, general parameters & heavy metals.</p>

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
			<p>Fluoride, Nitrate, Chloride, Iron, Copper, Arsenic, Molybdenum, & Manganese.</p> <p>(iv) Analysis results of soil reveals about contamination of Chromium, Copper, Lead, Molybdenum, Nickel, Antimony & Zinc.</p>	<p>Further, MPCB was suggested to expedite remediation measures and submit plan to CPCB. However, neither final investigation report nor plan are received till date.</p> <p>Suggestions: MPCB is suggested to submit final investigation report and Plan for Remediation measures within 02 weeks without any delay. Further, it is suggested that visit of the site may be carried out jointly by CPCB (HO/RD) and MPCB to verify the present status of the site and ascertain the level and extent of contamination.</p>
4	Tarapur Industrial area, Tarapur, Thana dist. MH-401504, 401506	CS	<p>MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below:</p> <p>(i) Sampling of soil, GW and surface-water was carried out.</p> <p>(ii) Analysis results of Leachate reveals about contamination of TDS, Iron, Fluoride & Nitrate.</p> <p>(iii) Analysis results of groundwater reveals about contamination of Sulphate, Fluoride, Nitrate, Chloride, Iron, Copper, Arsenic, Molybdenum, & Manganese.</p> <p>(iv) Analysis results of soil reveals about contamination of Chromium, Copper, Lead, Molybdenum, Nickel, Antimony & Zinc.</p>	<p>MPCB is suggested to submit final investigation report and Plan for Remediation measures within 02 weeks without any delay. Further, it is suggested that visit of the site may be carried out jointly by CPCB (HO/RD) and MPCB to verify the present status of the site and ascertain the level and extent of contamination.</p>
5.	Nashik, MIDC (Industries located in MIDC Area)	CS	<p>MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below:</p> <p>(i) Hazardous waste, Bio-medical and C&D wastes had been being dumped at the site, as observed in the photographs.</p> <p>(ii) Sampling of waste, soil, GW and surface-water was carried out.</p> <p>(iii) Analysis results of waste reveals about contamination of Molybdenum & Antimony.</p>	<p>Draft Site assessment report was reviewed and it was observed that soil & groundwater is contaminated. MPCB was suggested to lift & dispose of the waste lying at the site in secured manner.</p> <p>MPCB was also suggested to expedite site in lifting and disposal through secured landfill following environmentally sound manner</p>

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
			<p>(iv) Analysis results of groundwater reveals about contamination of Fluoride, Arsenic, Lead, Chromium, Iron & Copper, along with high TDS.</p> <p>(v) Analysis results of soil reveals about contamination of Copper, Molybdenum, Chromium, Antimony & Nickel.</p> <p>(vi) Analysis result of surface water reveals about contamination of Fluoride and Arsenic along with high TDS.</p> <p>(vii) Analysis result of Sediment reveals about contamination of Chromium, Copper, Nickel and Antimony.</p>	<p>and submit the status to CPCB at the earliest.</p> <p>However, final investigation report carried out by NEERI, ATR of disposal of HW and proposal for remediation are not received till date.</p> <p>Suggestions: MPCB is suggested to submit final investigation report, ATR of disposal of HW within 02 weeks without any delay.</p> <p>In this regard, CPCB-RD, Pune may be follow-up with MPCB for early submission of compliance status and reports for further course of action.</p>
6.	Karavale village, Kalyan, Maharashtra	CS	<p>MPCB has awarded the assessment work to CSIR-NEERI. The observation is given as below:</p> <p>(i) One part of the site (forest land) had drums of hazardous chemicals buried deep underground by digging with JCB followed by soil covers on top at two locations near foothills of Malang Gad hill range. At another part (agricultural land), metal/HDPE drums (~314 Nos), and HDPE woven bags with HW/chemicals were dumped on open ground. Around 162 Nos of drums were sent to M/s. Mumbai Waste Management Ltd (CHWTSDF), Taloja by MPCB.</p>	<p>Further, it is suggested that visit of the site may be carried out jointly by CPCB (HO/RD) and MPCB to verify the present status of lifting & disposal of HW and to ascertain the level and extent of contamination.</p>

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by MPCB	Observations/ Suggestions by CPCB
			(ii) Sampling of waste, soil, GW and surface-water was carried out. (iii) Analysis results of waste reveals about contamination of Cadmium . (iv) Contamination with Arsenic, Iron, Manganese, Copper is found in GW samples w.r.t. BIS drinking water std. (v) Contamination with TDS, Arsenic w.r.t. Standard of Inland surface water discharge. (vi) Soil was found contaminated with Chromium, Copper, Molybdenum, Nickel, Lead, Zinc , w.r.t. CCME soil screening level for Commercial land use.	

Telangana

Telangana PCB has communicated Action taken reports for following **09 probable/contaminated** (except one contaminated site i.e. M/s Deccan Chromates Ltd., Damaracherla, Nalgonda District-1, Telengana) vide email dated 06.09.2024. 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 TSPCB	Observations/ Suggestions by CPCB
1.	M/s Deccan Chromates Ltd., Damaracherla, Nalgonda District-1 Telengana	CS	TGPCB letter dated 15.05.2023 had submitted the status of Hexavalent Chromium contaminated site, following observation is given: i. TGPCB inspected the premises followed by sampling of waste, leachate, water and soil sample during Jan-Mar, 2023. ii. During visit, it is found that presently 40,000 MT of waste is stored at the premises.	HW shall be lifted and disposed followed by stabilization through secure manner within six months . 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 TGPCB at

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by TSPCB	Observations/ Suggestions by CPCB
			<p>iii. Analysis result of leachate, and surface water samples reveals about contamination of Cr(VI).</p> <p>Thereafter, CPCB has sought the details of HW disposal vide letters dated 13.06.2023 & 03.05.2024. However, no progress report on action taken is submitted.</p>	<p>the rate of Rs. 10 lakh per site.</p> <p>In this regard, TGPCB may direct to M/s Deccan Chromates Ltd., and CPCB-RD, Chennai is requested to follow up the issue with TSPCB.</p>
2.	Noor Muhammad Kunta Lake, Katedan Industrial Estate Hyderabad	CS	<p>→ TGPCB has informed that 1 STP with 10 MLD capacity was installed at the upstream of the lake.</p> <p>→ Collected 5 sediment samples and 3 surface water samples from 3 locations of the lake and analysis result reveal no contamination w.r.t., CoCs.</p> <p><i>Note: DPR prepared for remediation of Noor Muhammad Kunta (NMK) Lake under the World Bank aided CBIPMP Project by MOEF&CC and TGSPCB. However, the matter was sub-judicial (Hon'ble High Court of Telangana & AP in WP No. 39864 of 2014).</i></p>	<p>TGPCB should prepare DPR followed by detailed site assessment (DSA).</p> <p>Accordingly, plan for DSA should be submitted within 15 days. The site may be visited jointly by SPCB and CPCB (RD/HO) officials.</p>
3.	Patancheru, Medak District , Telangana	CS	<p>The site is inspected by TGSPCB. Sampling of soil, sediment, SW and GW, had been carried out from up-stream, down-stream & adjacent to contaminated site.</p> <p>However, analysis result reveals no contamination w.r.t., CoCs.</p>	<p>TGPCB will carried out periodical GW sampling in and around the site for 1 year during pre & post-monsoon sessions, and accordingly, submit the report to CPCB for further decision.</p>
4.	Musi River, Hyderabad Telangana	PCS	<p>The site is under consideration of the matter of the Hon'ble NGT in OA No.673 of 2018, wherein directed to prepare an action plan to restore the water quality by constituting river rejuvenation Committee. In this regard, monitoring committee has been constituted in</p>	<p>TGPCB should submit progress report time to time to CPCB for 2 years.</p>

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by TSPCB	Observations/ Suggestions by CPCB
			<p>compliance of Hon'ble NGT order dated 21.09.2020.</p> <p>TGPCB has submitted action plan to restore the water quality to CPCB.</p>	
5.	Asani kunta Lake, Medak district, Telangana	PCS	<p>→ Matter is sub-judicial under Hon'ble NGT (PB) OA No. 69-72 of 2013 & 100 of 2014;</p> <p>→ Recommended to Install STP with 4 MLD capacity at the upstream of lake;</p> <p>→ A proposal was submitted on "Removal of Contaminated sediment and Restoration of Asanikunta Lake" (Cost of INR 96.5L)</p> <p>→ However, no progress report has been submitted on establishment of STP and Remediation project;</p> <p>→ SW sample was collected from 1 location of the lake and analysis result reveals high COD & BOD.</p> <p>Note: As per earlier data, in GW, Chromium, Lead, Nickel, Ca, Mg, Chloride & TDS is found higher than BIS limit.</p>	<p>TGPCB should prepare DPR followed by detailed site assessment (DSA).</p> <p>Accordingly, plan for DSA should be submitted within 15 days. The site may be visited jointly by SPCB and CPCB (RD/HO) officials.</p>
6.	Maheshwaram, Hydrabad-Telangana	PCS	<p>The site is inspected by TGPCB and informed that site is at industrial area, 1km away from residential plot. Sampling of soil, SW, sediment and GW, had been carried out from 6 locations on 31.08.2024.</p> <p>However, analysis results are awaited.</p> <p>Note: As per earlier data, Analysis result reveals that soil is contaminated with Cadmium and Nickel.</p>	<p>TGPCB should carry out sampling of sediment/soil/SW from 5-6 locations of each site in both pre & post monsoon seasons and submit and submit PSA report within 8 months.</p> <p>Accordingly, plan for PSA should be submitted within 15 days. Few sites may be visited jointly by SPCB</p>
7.	Chevella Industrial Area Rangareddy District- Telangana	PCS	<p>The site is inspected by TGPCB and informed that the was under Telangana Industrial Infrastructure Corporation</p>	

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by TSPCB	Observations/ Suggestions by CPCB
			Development and there was proposal for establishment of IE. Soil sample was carried out from 2 locations and GW sample was carried from 1 BW. Analysis result is awaited.	and CPCB (RD/HO) officials.
8.	LB Nagar Industrial Area, Rangareddy District, Telangana	PCS	<ul style="list-style-type: none"> → The site is inspected by TGPCB and informed that no industrial activity is there. Presently it is occupied by Commercial and Residential Buildings. → No dumping of HW was observed at the site. → Result of GW samples is not submitted. → For soil samples, analysis was carried out w.r.t., TCLP instead of Total concentration. 	
9.	Moula Ali Industrial Area, Rangareddy District, Telangana	PCS	<ul style="list-style-type: none"> → The site is inspected by TGPCB and informed that site is under TSIIC-IALA. → Presently, the site is used at MSW transfer station and collection of general waste from industrial area. → 4 soil samples and 2 GW samples were collected from the site. → For soil samples, analysis was carried out w.r.t., TCLP instead of Total concentration. → GW samples, carried out during 2023, reveal no contamination. 	
10.	Gundlapochampally Industrial Area Rangareddy District- Telangana	PCS	<ul style="list-style-type: none"> → The site is inspected by TGPCB and informed that site is under TSIIC-IALA. → 2 soil samples and 1 GW samples were collected from the site. → For soil samples, analysis was carried out w.r.t., TCLP instead of Total concentration. Analysis result of GW sample is not submitted. 	

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Uttar Pradesh

In UP, there were 30 sites; wherein 11 sites identified as PCS and other 19 sites are as CS. **UPPCB vide its email dated 04.05.2024** submitted status of action taken and the same is examined and following observations/suggestions are made:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
1.	Khan chandrapuri, Shivrathpura, Rania Kanpur Dehat, UP	CS	<p>DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of UP and UPPCB for execution of Remediation work.</p> <p>In compliance of the directions of Hon'ble NGT orders in the matter of O.A. No. 200/2014 and 985 & 986/2019, work orders have been awarded to TSDF operators by the District Administration, Kanpur Dehat, UP for lifting & disposal of Chromium waste through TSDFs. Accordingly, lifting & disposal of Chromium waste followed by stabilization through TSDFs is underway.</p>	<p>CPCB (HO) and UPPCB visited the site on 16th April, 2024 for Pre-monsoon monitoring and to verify the completion of lifting & disposal of chromium contaminated waste through TSDFs as well as the present status of the contaminated site:</p> <p>Recommendations:</p> <p>i) The entire HW from the subject site and nearby places should be lifted and disposed of through TSDF as per SOP before monsoon.</p> <p>ii) UPPCB may investigate in matter of using contaminated material for back filling by M/s Natraj Ltd., for development of their unit premises and initiate appropriate action as deemed fit.</p> <p>iii) As per the DPR prepared by CPCB, contaminated soil should be excavated and treated after lifting the entire waste from the subject site and nearby places.</p> <p>iv) As per the directions passed by Hon'ble NGT, PB vide order dated 16.05.2023</p>

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
				regarding GW, pilot remediation project should be taken up at the earliest.
2.	Deva Road, Lucknow (Palhauri Village, Chinhat Block)	CS	DPR is prepared under NCEF project. Accordingly, CPCB communicated final DPR along templates of tender document to State of UP and UPPCB for execution of Remediation work.	CPCB and UPPCB jointly visited the site on 15th April, 2024 for Pre-monsoon monitoring and to verify present status of the site.
3.	India Pesticide Limited, Lucknow	CS		<p>Recommendations:</p> <p>As analysis results of 3 Nos of GW samples from BW- 2, 3 & 4 and soil samples revealed exceeded concentration w.r.t., DPR-SSTL for pesticides (i.e., α-HCH, β-HCH, γ-HCH), joint post-monsoon sampling may be carried out for assessment of the aforesaid contaminated sites.</p>
4.	Industrial Area Meerut Road, and Lohia Nagar C Block, Ghaziabad	CS	Cr(VI) in groundwater is remediated by applying: (i) Pump & Treat (P&T) technique, (ii) Bioremediation technique, Remediation work is underway since 2012.	<p>Joint visit of CPCB & RO-Ghaziabad, UPPCB, was carried out on 03.07.2024 to verify the present status of on-going remediation of Cr(VI) contaminated groundwater, at Lohianagar, Ghaziabad, UP.</p> <p>Observations:</p>

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
				<p>i) All samples are contaminated with Total Coliform (TC).</p> <p>ii) During visit, it was observed that AW-4 & 5 was not operational and it was informed that it is not connected with GTP. Analysis of other AW samples result revealed highly contaminated with Cr(VI), Pb & TC.</p> <p>iii) At BW of ECE premises, analysis result reveals that GW is contaminated with Cr(VI) & TC.</p>
5.	Juhi Baburaiya (Rakhi Mandi), Kanpur	CS	<p>i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each).</p> <p>ii. No dumping of hazardous waste is observed at the site.</p> <p>iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit.</p> <p>iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria.</p> <p>v. Soil samples were analyzed for heavy metals and no contamination was reported w.r.t., screening level of soil.</p>	<p>In compliance of Hon'ble NGT in OA No. 985/2019, jointly sampling carried out by CPCB & UPPCB in July, 2019; analysis results of Chromium concentration were found in the range of 1.18-0.12 mg/L higher than BIS DW standard.</p> <p>Suggestions: To verify the present condition of the GW, joint visit by the officials of CPCB (HO/RD) and UPPCB may be carried out.</p>
6.	M/s GIL (erstwhile Kanoria Chemical) Renukoot, Sonebhadra, UP	CS	<p>Site was inspected by UPPCB and submitted that:</p> <p>i. Mercury bearing sludge has been stored in captive SLF. Presently, the industry is</p>	<p>As the matter is sub-judice before the Hon'ble SC, CA No. 8401-8404 of 2019, unit has proposed to establish new captive SLF and store the waste during post monsoon.</p>

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			<p>owned by M/s Grasim industries limited.</p> <p>ii. Analysis result for CoCs of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit.</p> <p>vi. Analysis result for CoCs of soil samples reveals no contamination w.r.t., screening level of soil.</p>	
7.	Nauriaya Kheda, Kanpur	CS	<p>i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each).</p> <p>ii. No dumping of hazardous waste is observed at the site.</p> <p>iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit.</p> <p>iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria.</p> <p>v. Soil samples were analyzed for heavy metals and Lead was reported higher than screening level of soil.</p>	<p>UPPCB was directed to initiate detailed site investigation and submit report to CPCB.</p> <p>However, no progress report on action taken is submitted till date.</p>
8.	Bhuapur Village, Kaushambhi, Gaziabad, Uttar Pradesh	CS	<p>i. UPPCB has inspected the site followed by GW and soil sampling.</p> <p>ii. No dumping of hazardous waste is observed at the site.</p> <p>iii. Analysis result of GW samples reveals that TDS and Lead is higher than BIS drinking water acceptable limit.</p>	<p>UPPCB was directed to initiate detailed site investigation and submit report to CPCB.</p> <p>However, no progress report on action taken is submitted till date.</p>

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			iv. In soil samples, Copper, and Chromium reported higher than screening level of soil.	
9.	Shakti Nagar, Aligarh	CS	i. UPPCB has inspected the site followed by GW, SW and soil sampling. ii. No dumping of hazardous waste is observed at the site. iii. GW, SW and soil samples were carried out; however, analysis results are awaited.	UPPCB had carried out preliminary site investigation based on the reference document of CPCB. If analysis results exceeds the limits/standards, detailed site investigation may be carried out and report of the same be provided to CPCB.
10.	Barnawa Village, Baghpat, District Meerut (Confluence point of Kali River & Hindon River)	CS	i. UPPCB has inspected the site followed by GW, and SW sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. iii. Soil samples were analyzed for heavy metals and Arsenic, and Chromium reported higher than screening level of soil.	UPPCB was directed to initiate detailed site investigation and submit report to CPCB. However, no progress report on action taken is submitted till date.
11.	Firozabad	CS	i. UPPCB has inspected the site followed by GW, and soil sampling.	UPPCB was directed to initiate detailed site investigation and submit report to CPCB.

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			<ul style="list-style-type: none"> ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for CoCs of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. iv. Soil samples were analyzed for CoCs and Cadmium and Chromium reported higher than screening level of soil. 	<p>However, no progress report on action taken is submitted till date.</p>
12.	Panki Industrial Area, Kanpur	CS	<ul style="list-style-type: none"> i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each). ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and Copper, and Chromium reported higher than screening level of soil. 	<p>UPPCB was directed to initiate detailed site investigation and submit report to CPCB.</p> <p>However, no progress report on action taken is submitted till date.</p>
13.	Jaibheem Nagar, Ward No. 5, Meerut, UP	CS	<ul style="list-style-type: none"> i. UPPCB has inspected the site followed by GW, and SW sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit. 	<p>UPPCB was directed to initiate detailed site investigation and submit report to CPCB.</p> <p>However, no progress report on action taken is submitted till date.</p>

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria. v. Soil samples were analyzed for heavy metals and Arsenic, and Chromium reported higher than screening level of soil. vi. Sediment sampling was not carried out.	
14.	Shivnagar Colony, Unnao	PCS	i. UPPCB has inspected the site followed by GW, sampling. ii. No dumping of hazardous waste is observed at the site. iii. Analysis result GW samples reveals that Magnesium, & TDS is found higher than BIS drinking water acceptable limit. vii. Soil sampling was not carried out.	UPPCB was directed to initiate detailed site investigation and submit report to CPCB. However, no progress report on action taken is submitted till date.
15.	Kunrwa, Jirgha Dandi, Sonebhadra District, Uttar Pradesh	PCS	UPPCB was directed to carry out soil sampling along with few fresh 3-4 GW samples to ascertain GW quality and submit action taken report within a monthly to CPCB.	However, progress report on action taken is submitted till date. Therefore, UPPCB may carry out sampling of soil/sediment/waste and submit report with analysis results of CoCs, general parameters & heavy metals and visit Photographs.
16.	Jajmau Industrial Area, Kanpur	PCS	i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each). ii. No dumping of hazardous waste is observed at the site. iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit. iv. Analysis result for general parameters of SW samples reveals no contamination,	

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			<p>w.r.t., CPCB surface water quality criteria.</p> <p>v. Soil samples were analyzed for heavy metals and no contamination was reported w.r.t., screening level of soil.</p>	
17.	Magarwara Industrial Area, Unnao	PCS	<p>i. UPPCB has inspected the site followed by GW, sampling.</p> <p>ii. No dumping of hazardous waste is observed at the site.</p> <p>iii. Analysis result GW samples reveals that Magnesium, & TDS is found higher than BIS drinking water acceptable limit.</p> <p>iv. Soil sampling was not carried out.</p>	
18.	Singrauli Super Thermal Power Plant, Singrauli	CS	<p>i. UPPCB has inspected the site followed by GW (single location), and soil sampling.</p> <p>ii. No dumping of hazardous waste is observed at the site.</p> <p>iii. Analysis result for CoCs of GW samples reveals no contamination w.r.t., BIS drinking water acceptable limit.</p> <p>iv. Analysis result for CoCs of soil samples reveals no contamination w.r.t., screening level of soil.</p>	
19.	Tejab Mill Campus, Anwarganj, Kanpur	CS	<p>i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each).</p> <p>ii. No dumping of hazardous waste is observed at the site.</p> <p>iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit.</p>	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.

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S. No.	Name of the Site	CS/PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			<p>iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria.</p> <p>v. Soil samples were analyzed for heavy metals and lead & Chromium reported higher than screening level of soil.</p>	
20.	Gudhrauly Village, Fatehpur	CS	<p>Old report: UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples reveal no contamination.</p> <p>Present status: Presently the matter is merged with Hon'ble NGT, O. A. No 985 & 986/2019.</p>	UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.
21.	Ashapur Village, Fatehpur	PCS	<p>Old report: UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples reveal no contamination.</p> <p>Present status: No report is submitted.</p>	<p>However, progress report on action taken is submitted till date.</p> <p>Therefore, UPPCB may carry out sampling of soil/sediment/waste and submit report with analysis results of CoCs, general parameters & heavy metals and visit Photographs.</p>
22.	Ranipur Village, Fatehpur	PCS		
23.	Rooma-Treatment Storage Disposal Facility, Kanpur	CS	<p>Old report:</p> <p>i. UPPCB has inspected the site followed by GW, SW and soil sampling from single location (each).</p> <p>ii. No dumping of hazardous waste is observed at the site.</p> <p>iii. Analysis result for general parameters of GW samples reveals that TDS is higher than BIS drinking water acceptable limit.</p>	

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			<p>iv. Analysis result for general parameters of SW samples reveals no contamination, w.r.t., CPCB surface water quality criteria.</p> <p>v. Soil samples were analyzed for heavy metals and Chromium reported higher than screening level of soil.</p> <p>Present status: No report is submitted.</p>	
24.	Bharat Oil and Waste Management, Kanpur	PCS	<p>Old report: Site was inspected by UPPCB and submitted that it is TSDF site.</p>	UPPCB will carried out periodical GW sampling in and around the site for 1 year during pre & post-monsoon sessions, and accordingly, submit the report to CPCB for further decision.
25.	Hindustan Laboratories, UPSIDC, Industrial Area, Naini, Allahabad	PCS	<p>Old report: UPPCB has inspected the site followed by GW sampling. Analysis result of GW samples with CoCs reveal no contamination.</p> <p>Present status: No report is submitted.</p>	It is observed that soil/ waste/ sediment/SW samples are not carried out. UPPCB may carry out preliminary site investigation based on the reference document of CPCB.
26.	Bank of River Ramganga, Moradabad, UP	CS	<p>As per direction of Hon'ble NGT, O. A. No. 621/2018, e-waste residue (black-powder) had been lifted.</p> <p>UPPCB has inspected the site followed by GW, soil and SW sampling.</p> <ul style="list-style-type: none"> - In GW samples, reported no contamination. - In SW samples, color reported higher than prescribed standards. 	<p>It is observed that sediment sampling at the river bank were not carried out.</p> <p>UPPCB & CPCB may jointly carry out sediment sampling, submit report with analysis results of CoCs, general parameters & heavy metals and submit the report to CPCB within 1 month.</p>
27.	Loni, UP	PCS	<p>Old report:</p>	UPPCB shall initiate detailed site investigation and submit

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S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPPCB	Observations/ Suggestions by CPCB
			<p>i. Site was enlisted based on complaints received, and inspection carried out by the officials of CPCB on 14.06.2019 & 09.01.2020.</p> <p>ii. UPPCB has inspected the site followed by GW and soil sampling.</p> <p>iii. Analysis results of GW samples reveal that TDS, Chloride, Sulphate higher than BIS limit</p> <p>iv. Analysis results of soil samples reveal contamination with Copper, Nickel, Lead and Zinc.</p> <p>Present status: No report is submitted.</p>	<p>report to CPCB within 02 months.</p>
28.	<p>Sansarpur Village, Chutmulpur Road, Saharanpur (transferred site from Uttarakhand)</p>	PCS	<p>i. UPPCB has inspected the site followed by GW, and soil sampling.</p> <p>ii. No dumping of hazardous waste is observed at the site.</p> <p>iii. Analysis result for CoCs of GW samples reveals that Lead is higher than BIS drinking water acceptable limit.</p> <p>iv. Analysis result for CoCs of Soil samples reveals no contamination, w.r.t., screening level of soil.</p>	<p>UPPCB shall initiate detailed site investigation and submit report to CPCB within 02 months.</p>
29.	<p>Mandoli & Seelampur, E-Waste processing site (transferred site from Delhi)</p>	CS	<p>No report is submitted.</p>	<p>It is observed that soil/waste/ sediment/SW samples are not carried out.</p> <p>UPPCB should carry out preliminary site investigation based on the reference document of CPCB.</p>