



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 2828

August 04, 2023

To

The Member Secretary
SPCBs
(As per list)

Sub: Minutes of Eighth Review Meeting with SPCBs/PCC 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 Contaminated Sites – reg

Sir,

Central Pollution Control Board has conducted 8th review meeting with SPCBs on 13.07.2022 through VC in compliance to the directions of Hon'ble NGT in the matter of O.A. 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

Encl.: As above

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

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CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

By Email

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HON'BLE NGT MATTER**

F. No. CP-26/3/2021-WM-I-HO-CPCB-HO 2828-2832

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SPCBs
(As per list)

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(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, please
(As per list)

(V. P. Yadav)

‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

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

List of SPCBs:

1. The Member Secretary
Pollution Control Board Assam
Bamunimaiden, Guwahati – 781 021
2. The Member Secretary
Himachal Pradesh Pollution Control Board
Him Parivesh Phase-III, Below BCS,
New Simla A-9 , HP – 171 009
3. The Member Secretary
Gujarat Pollution Control Board
Paryavaran Bhawan Sector 10-A,
Gandhi Nagar – 382 043
4. The Member Secretary
Rajasthan State Pollution Control Board
4, Jalana Doongri Institutional Area
Jaipur Rajasthan – 302 004
5. The Member Secretary
Uttarakhand Pollution Control Board
6B, IT Park, Sahastradhara Road, Uttarakhand

List of Regional Directorates, CPCB:

1. The Regional Director
Regional Directorate - Bhopal
3rd Floor, Sahkar Bhawan, North TT Nagar,
Bhopal-462003
2. The Regional Director
Regional Directorate - Vadodara
Parivesh Bhawan, Opp. Ward No. 10 VMC Office Subhanpura,
Vadodara – 390 023
3. The Regional Director
Regional Directorate – Shillong
BSNL NE-I, Telecom circle,
CTO Building, Ground Floor
Shillong-793001
4. The Regional Director
Regional Directorate - Lucknow
PICUP Bhawan, Vibhuti Khand, Gomti Nagar,
Lucknow - 226010
5. The Regional Director
Central Pollution Control Board – Chandigarh
BSNL Telephone Exchange, 2nd Floor,
Sector -49 C, Chandigarh – 160047

Minutes of the Eighth Review Meeting held through VC on 13.07.2023 with SPCBs in 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, Contaminated Sites

In compliance 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, eighth review meeting with 05 SPCBs (namely; (i) Assam, (ii) Gujarat, (iii) Himachal Pradesh, (iv) Rajasthan & (v) Uttarakhand), held through VC on 13.07.2023 to discuss about the action taken report on 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 concerned SPCBs & CPCB, Regional Directorates and dealing officials of CPCB. List of the participants is given at **Annexure-I**.

At the outset, Sh. V. P. Yadav, Director and Head, Waste Management Division-I, welcomed all the participants, and made the presentation on directions passed by Hon'ble NGT in aforesaid matters regarding identification, assessment and remediation of contaminated sites followed by action taken status. Accordingly, Sh. G. Rambabu, Scientist-D, presented state-wise contaminated/probable contaminated site issues and its deliberations are given as below:

1. Assam SPCB:

Assam PCB has inspected the site (namely; Jeypore Coalfield, Namrup, Tinsukia) followed by GW sampling. Analysis result of GW samples reveals no contamination w.r.t., prescribed limit of BIS drinking water standard.

CPCB Suggestion: As no contamination is reported, the aforesaid site is delisted.

Further for 02 other sites as given in Annexure-II, Assam PCB is suggested to carry out pre & post monsoon monitoring of GW in & around the site for at least a year and submit the report to CPCB for further decision.

2. Gujarat: Gujarat SPCB has submitted action taken report for 24 **probable/contaminated sites** vide its letter dated 18.02.2023. Accordingly, the reports were examined.

CPCB suggestion:

- a) It is suggested that a technical presentation may be made by Responsible parties on progress of the on-going remediation works at following contaminated sites:
 - (i) M/s Swastik Organic, Sabar Dairy Road, Piplodi, Gujrat
 - (ii) Effluent Channel Project Limited (M/s ECPL), Baroda Effluent Canal, Vadodara
- b) Contaminated site at M/s Hema Chemicals, Unit II (J-71, 72), Nandesari, Vadodara: GPCB may direct responsible party(ies) for cause of contamination to carry out detailed site investigation followed by preparation of Detailed Project Report (DPR) comprising Human Health Risk Assessment study by engaging reputed institution/consultant. In this regard, submit proposal on action plan for DPR preparation within 2 months.
- c) Contaminated site at Jambusar, District-Bharuch: As treated effluent exceeded the general effluent discharge standard for marine coastal area, GPCB may issue necessary directions to the M/s VECL.

In view of the above, Gujarat PCB may submit the action taken report supported with analysis results as per the suggestions/observations given at **Annexure-II**.

3. **Himachal Pradesh:** HPPCB had carried out site inspection and submitted action taken report for the site (as given in Annexure-II), namely; "Open area along Sandholi Nala, Opposite Keshav Auto, Baddi Nalagarh Highway NH-21A-173205". Analysis results of chemicals of concern (CoCs) are reported within the range of standard/screening levels.

CPCB suggestion: As no contamination is reported, the aforesaid site is delisted.

4. **Rajasthan:** Rajasthan SPCB has submitted action taken report for probable/contaminated sites vide its letters dated 13.03.2023 & 18.04.2023. Accordingly, observations and suggestions are made and given at Annexure-II.

CPCB suggestion:

As per report submitted, there are 07 sites in Rajasthan; out of which 05 sites are contaminated and 02 sites are probable contaminated sites.

RSPCB may submit action taken report supported with analysis results as per the suggestions/observations given at **Annexure-II**.

Further, it is suggested that a joint visit by the officials of RSPCB and CPCB (RD, Bhopal/HO) may be carried out to ascertain the extent and nature of contamination at following contaminated sites:

- (i) Village Bichhadi (M/s Hindustan Agro Chemicals), Block Girva, Rajasthan
- (ii) M/s Ramky Waste Management, Udaipur Rajasthan 313004

5. **Uttarakhand:** UPCB had submitted action taken report of the site (as given in Annexure-II) namely; "Village-Tansipur, Roorkee, Uttarakhand-247656". Analysis results of chemicals of concern (CoCs) are reported within the range of standard/screening levels.

CPCB suggestion: As no contamination is reported, the aforesaid site is delisted.

Recommendations/Action Points:

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, 2016 (HOWM Rules, 2016)

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.



List of officials participated (through VC)

CPCB (HO)- Waste Management Division-I

1. Sh. V. P. Yadav, Director & Head
2. Sh. G. Rambabu, Scientist-D
3. Dr. Gargi Biswas, RA-III

CPCB, Regional Directorates

4. Sh. Gurnam Singh, Regional Director, CPCB-RD, Chandigarh
5. Sh. Montu Chaoudhury, Regional Director, CPCB-RD, Shillong
6. Sh. Prasoon Gargava, Regional Director, CPCB-RD, Vadodara
7. Sh. P. Jagan, Regional Director, CPCB-RD, Bhopal
8. Dr. Narendra Sharma, Scientist-E, CPCB-RD, Chandigarh
9. Ms. Kavitha, Scientist-D, CPCB-RD, Vadodara
10. Dr. Semwal, Scientist-C, CPCB-RD, Vadodara
11. Sh. Praveen Jain, Scientist-B, CPCB-RD, Bhopal

SPCB (Assam, Gujarat, HP, Rajasthan & Uttarakhand)

12. Sh. Shantanu Dutta, Member Secretary, Assam PCB
13. Sh. N. K. Shah, Unit Head, Hazardous Branch, Gujarat PCB
14. Sh. O. P. Gupta, ACEE & GIC, RSPCB

Table-1: State wise distribution of probable/contaminated sites:

S. No.	States/UTs	Updated status as on June, 2023				Remediation Work (Underway)
		Total Sites	Probable Contaminated Sites (PCS)	Contaminated Sites (CS)	Proposed to De-list	
1	Assam	3	2	0	1	
2	Gujarat	24	3	10	11	2
3	Himachal Pradesh	1	0	0	1	
4	Rajasthan*	7	1	5*	1	
5	Uttarakhand	1	0	0	1	

*(enlisted old sites)

State wise compliance status on Action taken by SPCBs viz. (i) Assam; (ii) Himachal Pradesh; (iii) Gujarat (iv) Rajasthan; & (v) Uttarakhand, is given below:

Assam

Assam PCB has submitted action taken reports as per CPCB suggestion vide letter dated 17.12.2022. Accordingly, the reports were examined and made the following observations/suggestions are as below:

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Assam PCB	Observations/ Suggestions of CPCB
1.	Jeypore Coalfield, Namrup, Tinsukia, Assam-786614	CS	Site was proposed to delist; however, suggested to carry out periodically GW monitoring followed by sampling in & around the site and may submit quarterly report to CPCB. Accordingly, Assam PCB has inspected the site followed by GW sampling. Analysis result of GW samples reveals no contamination w.r.t., prescribed limit of BIS drinking water standard.	Concentrations of CoCs are found within the range of drinking water standard. Proposed for de-list
2.	Dhemaji district, Assam-787058	PCS	Concentrations of CoCs are reported within the range standard/screening level and it was proposed to de-list.	Proposed for de-list
3.	Hindustan Paper Corporation Limited, Jagiroad, Morigaon district, Assam-782413	PCS	However, ASPCB was requested to carry on periodically GW sampling in and around the site for 6 months and submit the report to CPCB However, Action taken report is awaited.	However, Assam PCB shall carry out pre & post monsoon monitoring of GW in and around the site for atleast a year and submit the report to CPCB for further decision.

Gujarat

Gujarat Pollution Control Board (GPCB) has submitted action taken reports vide letters dated 29.11.22 and 18.02.23. 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 Gujarat PCB	Observations/ Suggestions of CPCB
1.	Swastik Organic, Sabar Dairy Road, Piplodi, Gujrat	CS	<p>As per old-reports, following was observed:</p> <ul style="list-style-type: none"> i) Hazardous waste lying at the site was already lifted and shifted to TSDF. However, soil contamination may still remain at the site. ii) In the downstream at village Boriya Khurad, about 7 to 8 bore wells reported as contaminated with reddish brown colored water. iii) In this regard, it is also reported that crops like wheat, cotton & castor are irrigated with this colored water. iv) GW samples collected and reported about 200 Pt Co yellowish color; however, analysis result of the same was not submitted. v) The responsible party has awarded the remediation work to GITCO. <p>- However, action taken report is awaited.</p>	Responsible party may be directed to submit monthly or quarterly progress reports of on-going remediation works and also direct the responsible party to make a technical presentation on or before 25 th August, 2023.
2.	Effluent Channel Project Limited (M/s ECPL), Baroda Effluent Canal, Vadodara District	CS	<p>Remediation work is underway by Responsible Party.</p> <p>Remediation activities at identified industries are underway and lastly reviewed in the expert committee meeting constituted for the purpose on 13.12.2022.</p> <p>Work assigned to NEERI as an expert agency for "Assessment, Review, and providing consultancy services to GPCB for on-going groundwater remediation work at Padra, Vadodara".</p>	GPCB should monitor and supervise remediation works undertaken by the Responsible parties and submit quarterly progress reports to CPCB.
3.	Kach, Gujarat	CS	<ul style="list-style-type: none"> 1. During the visit, no fresh dumping of gypsum waste was found at the sites. 2. It was found that out of 13 locations, the gypsum waste has been removed by the unit from 11 locations followed by plantation. Gypsum was not removed/lifted in the remaining two 	GPCB may direct the Unit (responsible party) to install 02 monitoring well at downstream of the bore well located at the agricultural land of Sh. Gulab Singh Rathore (land owner) wherein the concentration of NH ₃ -N was found exceeding the desirable limit.

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
			<p>locations as one of the sites was not able to approach as it was covered with natural wild vegetation and the other site i.e. china clay mine which is under legal dispute between the mine owner and the Local administration.</p> <p>3. Most of the above locations were covered with regional herbs.</p> <p>4. Groundwater samples collected from 9 locations, concentration of Ammoniacal nitrogen in 8 samples reported well within BIS for drinking water. However, in remaining 1 sample collected at the agricultural land of Sh. Gulab Singh Rathore (land owner), near location of GW-8, concentration of Ammoniacal nitrogen reported as 10.3 mg/.</p> <p>5. Analysis results of Total Kjeldahl Nitrogen (TKN) concentration in soil and waste samples carried out reported as 0.07 % and 0.05 % respectively.</p>	<p>Accordingly, carryout pre & post monsoon sampling of groundwater at least for 2 years to ascertain the level of contamination in groundwater and submit the assessment report to CPCB.</p>
4.	Gorwa Pond, Behind Hema Chemicals, Near Samta Colony, Subhanpura Road, Vadodara	CS	<p>CPCB RD-Vadodara and GPCB jointly inspected the site followed by Soil, GW and SW sampling.</p> <p>Analysis result reveals as follows:</p> <ul style="list-style-type: none"> - In Soil & SW samples no contamination is reported. - In GW samples, color and copper are reported slightly higher than acceptable limit of BIS. COD and BOD are also reported in the said samples. 	<p>GPCB shall carry out pre & post monsoon monitoring of GW for one year and submit the report to CPCB for further decision.</p>
5.	Hema Chemicals - Unit II (J-71, 72), Nandesari, Vadodara	CS	<p>During inspection, it was observed that there is no any manufacturing activity is going on and there is no any plant machinery observed at site. Earlier this unit was engaged in manufacturing in various Chrome bearing products.</p> <p>Soil samples were collected from 09 locations in and around the premises of erstwhile closed industry i.e. M/s Hema Chemicals. Analysis result of soil samples collected & revealed that site is</p>	<p>It was observed that out of 27 samples from 9 location carried out at different depths, 25 samples reported contamination with hexavalent chromium in the range of 4 to 143 mg/kg.</p> <p>Therefore, GPCB may direct responsible party(ies) for cause of contamination to carry out detailed site investigation followed by preparation of Detailed Project</p>

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
			contaminated with hexavalent chromium, w.r.t., screening level for industrial land use.	Report (DPR) comprising Human Health Risk Assessment study by engaging reputed institution/consultant. In this regard, submit proposal on action plan for DPR preparation within 2 months.
6.	Larsen Chem, B/2, Ganeshpura, Opp. Janta Petrol Pump, Modasa Sabar Kantha, Gujarat	CS	<p>GPCB vide letter dated 18.02.2022 informed that forwarded the status with the analysis report/results to CPCB vide GPCB letter dated 17.11.2021, and requested to consider the following:</p> <p>GPCB vide letter dated 17.11.2021, GPCB has inspected the site followed by GW sampling. Analysis result of GW samples reveals no contamination.</p> <p>However, the analysis result submitted by GPCB vide dated 27.10.2020 revealed as below:</p> <ul style="list-style-type: none"> i) Analysis result of soil samples collected reveals no contamination. ii) GW samples collected and analysis result reveals that Color, Lead, Cadmium, Sulphate & Chloride is reported higher than prescribed limit oh BIS. 	GPCB shall carry out pre & post monsoon monitoring of GW in and around the site for one year and submit the report to CPCB for further decision.
7.	Jambusar, District- Bharuch,	CS	<p>Possibility of the contamination due to disposal of waste water from ECP channel at J point.</p> <p>One treated effluent sample collected from VECL channel at J point outlet on seashore and analysis result reveals exceeded the general effluent discharge standard (such as; SS, colour, COD, BOD) for marine coastal area.</p> <p>One soil/sediment sample collected from area near discharge point of VECL channel on sea shore and analysis result reveals no contamination.</p> <p>One GW sample collected from nearby village and analysis result revealed no contamination.</p>	<p>It is observed that adequate soil & GW samples are not carried out and therefore conclusion cannot be drawn to ascertain the extent of contamination.</p> <p>In view of the above, GPCB may carry out:</p> <ul style="list-style-type: none"> (i) GW and soil samples from 4-5 location and submit analysis reports of chemicals of concern (CoCs), general parameters and heavy metals. <p>If concentration levels exceeded the standards/ levels, necessary directions may be issued to the M/s VECL</p>

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
				<p>(ii) As treated effluent sample exceeded the general effluent discharge standard for marine coastal area, necessary directions may also be issued to the M/s VECL.</p> <p>(iii) Further, progress report in this regard may be submitted to CPCB from time to time.</p>
8.	Ankleshwar Industrial Estate, GIDC Industrial Estate, Tal: Ankleshwar, Dist: Bharuch,	CS	<p>GPCB vide letter dated 18.02.2022 informed that forwarded the status with the results to CPCB vide letter dated 17.11.2021, and requested to consider permissible limit of parameters like chloride, TDS and other inorganic parameters in place of desirable limit.</p> <p>GPCB has inspected the site followed by GW & soil sampling. Analysis result reveals as follows:</p> <ul style="list-style-type: none"> - No contamination is reported in soil samples. - In GW samples, Sulphate, Chloride, & TDS are found higher than acceptable limit of BIS. - In background GW samples, Sulphate, Chloride, & TDS are also found higher than acceptable limit of BIS. 	<p>It is observed that few parameters such as Sulphate, Chloride, & TDS reported higher than the acceptable limit of BIS in both samples of "background" as well as "contaminated site".</p> <p>In view of the above, it is suggested to carrying out pre & post monsoon monitoring of GW for atleast one year to ascertain the GW quality and submit the report to CPCB.</p>
9.	Muthia Village, Naroda GIDC, Phase IV, Ahmedabad - 380330	PCS → CS	<p>With reference to GPGB letter dated 17.11.2021, the observations are given below:</p> <p>i) GPCB has inspected the site followed GW sampling.</p> <p>ii) Analysis result reveals that GW is contaminated with Cr(T).</p>	<p>It is observed that soil sampling was not carried out.</p> <p>As chromium reported in GW sample, it is suggested that detailed site investigation by considering various matrices may be carried out in 2-3 months and submit the report to CPCB.</p>
10.	Pandesara, Gujarat Industrial Development Corporation (GIDC), Surat, Gujarat-394230	PCS	<p>i) GPCB has inspected the site followed by GW sampling.</p> <p>ii) Analysis result of GW sample reveals that color, Oil & grease, Sulphate, Chloride and TDS are found higher than acceptable limit of BIS. COD is also reported in the samples.</p>	<p>Observed the following:</p> <ul style="list-style-type: none"> - soil sampling is not carried out, - single GW sample was collected, - analysis result of GW sample reveals slightly contamination with color, Oil & grease. <p>In view of the above, it is suggested that preliminary site assessment as</p>

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
				per CPCB reference document may be carried out within 2 months and submit the report to CPCB. Further, for GW samples, "Mineral Oil" shall be analyzed instead of "Oil & Grease"
11.	Hatorah Village, Mangrol Taluka, Surat, Near Vikas Texo Park, Gujarat- 395003	PCS → CS	i) GPCB has inspected the site followed by GW & soil sampling. ii) Total 271.78 MT contaminated waste disposed to TSDF site of M/s Safe Enviro Pvt. Ltd., Jambusar, Bharuch. iii) Soil samples were analysed and revealed no contamination. iv) Analysis result revealed that GW is contamination with Lead, TDS, and Color . COD & BOD are also reported.	As it is observed that soil sample is not contaminated. However, GW sample is contaminated with Lead, TDS, and Color GPCB shall carry out detailed site investigation within 2-3 months and submit the report/status to CPCB.
12.	Premises of Trans Global, P. No: A-1-4311, Phase 4, GIDC, Vapi- Gujarat- 396195	PCS	i) GPCB has inspected the site followed by soil sampling during 2020-21. ii) Analysis result of soil sample reveals no contamination. iii) No groundwater sample was carried out during inspection.	Till date, action taken report along with GW sampling data is not submitted. Therefore, it is suggested that preliminary site assessment with fresh sampling of soil & GW as per CPCB reference document may be carried out within 2 months and submit the report to CPCB.
13.	Premises of Gamma Colors, P. No: 1302, Phase 3, GIDC, Vapi-396195	PCS		
14.	Jamnagar Refinery (DTB Plant), Gujarat- 361142	PCS	GPCB has inspected the site followed by soil sampling. Soil samples collected and analysis result reveals no contamination.	As suggested during the review meeting, joint visit by the officials of CPCB (HO & RD, Vadodara) and Gujarat PCB followed by soil and groundwater sampling was carried out to ascertain the extent of contaminant during 1-3 rd December, 2022. As no contamination is reported, it is proposed that the site may be de-listed .
15.	Aji GIDC Industries, Plot No. 121, AB Corner Road, Aji	CS	GPCB vide letter dated 18.02.2022 informed that forwarded the status with the results to CPCB vide letter dated 17.11.2021, and requested to consider permissible limit of parameters like	Concentrations of CoCs in Soil & GW are reported within the range of standard/screening level. Therefore, it is proposed to de-list .

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
	GIDC Estate, Rajkot		chloride, TDS and other inorganic parameters in place of desirable limit. i) GPCB has inspected the site followed by soil sampling. Analysis result of soil sample reveals no contamination.	
16.	Umalla, Bharuch, Gujarat-393120	PCS	Identified through Public complaint, wherein, it was informed by the complainant that <i>"M/s Hindusthan Chemical Co. Ltd at Vankhuta Ta. Umalla, Dist-Bharuch, illegally disposed cyanide contained hazardous waste in agriculture field and natural drain at Vankhuta village. The analysis result of soil sample collected by complainant showed 833 and 319 mg/kg Cyanide."</i> Jointly by CPCB, RD, Vadodara & GPCB has inspected the site followed by soil and GW sampling and reported the following: <ul style="list-style-type: none"> No HW found at the site. Analysis result of soil and GW reveals no contamination 	Concentrations of CoCs are reported within the range standard/screening level. Therefore, it is proposed to de-list.
17.	Daman Ganga River, behind railway track near CETP, Vapi, Gujarat- 396191	PCS	i. GPCB has inspected the site followed by soil, SW & GW sampling. ii. Analysis result of soil/SW/GW samples reveals no contamination.	Concentrations of CoCs in Soil, SW & GW samples are reported within the range of standard/screening level.
18.	Lord Seaside Society, Parsi Settlement at Tadgam, Valsad-396135	PCS	i. GPCB has inspected the site followed by soil & GW sampling. ii. Analysis result of soil/GW samples reveals no contamination except TDS in GW.	Therefore, it is proposed to de-list the sites listed at S. No. 15 to 23.
19.	River Par, Atul, Valsad District, Gujarat - 396001	PCS	i. GPCB has inspected the site followed by SW & soil sampling. ii. Analysis result of soil and SW reveals no contamination.	
20.	Water body at Pariyej Community Reserve, Kheda district, Gujarat-387225	PCS	i) GPCB has inspected the site followed by soil & GW sampling. ii) Analysis result of soil/GW samples reveals no contamination except COD in GW.	
21.	Bank of Bhil Khadi, Salvav,	PCS	i) GPCB has inspected the site followed by SW, GW & soil sampling.	

S. No.	Name of the Site	CS/ PCS	Action taken/initiated by Gujarat PCB	Observations/ Suggestions of CPCB
	NH-No:8, Vapi-396191		ii) Analysis result of soil/SW/GW samples reveals no contamination except Sulphate in GW.	
22.	Dungrifalia Millat Nagar, Behind Hotel Good Luck, Vapi, Gujarat-396191	PCS	i) GPCB has inspected the site followed by SW, GW & soil sampling. ii) Analysis result of soil/SW/GW samples reveals no contamination except Chloride in GW.	
23.	Bank of Bhil Khadi, Behind Hotel Safari, Near NH-No:8, Vapi-396191	PCS	i) GPCB has inspected the site followed by SW, GW & soil sampling. ii) Analysis result of soil/SW/GW samples reveals no contamination except Sulphate in GW.	
24.	Salvav, NH-No:8, Vapi, Gujrat	PCS		

Himachal Pradesh

Himachal Pradesh SPCB has submitted action taken report vide its letter dated 30.12.2022 and made the suggestion as below:

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: - No hazardous waste was found at the site. - Sediment, & SW samples collected, analysis results of sediment & SW reveal that no contamination.	Concentrations of CoCs are reported within the range of standard/screening level. Therefore, it is proposed to de-list.

Rajasthan

Rajasthan SPCB has submitted action taken report for following probable/contaminated sites vide its letters dated 13.03.2023 & 18.04.2023. Accordingly, 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. Investigation report of soil and GW/SW/Sediment is awaited.	RSPCB should submit report including analysis results of CoCs, general parameters and heavy metals within a month.

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Rajasthan PCB	Observations/ Suggestions by CPCB
2.	Zawar Mines, Udaipur, Rajasthan 313901	PCS → CS	<p>Site is inspected by RSPCB followed by GW and Soil sampling.</p> <p>GW Sampling is carried out and analysis result reveals that concentration of Copper is exceeded than the prescribed limits of BIS. BOD & COD is also reported.</p> <p>Soil samples are analysed for CoCs and Nickel & Zinc contamination is found exceeded w.r.t., screening levels for commercial/industrial land-use.</p>	<p>It is observed that Soil & GW is contaminated with heavy metals. Further, it is observed that Geo-coordinates of sampling locations are not mentioned in the report.</p> <p>RSPCB may carry out detailed site investigation of the site and accordingly submit the report to CPCB within 3 months.</p>
3.	M/s Puransons, RIICO Industrial Area, Bhiwadi, Alwar District, Rajasthan-301019	PCS	RSPCB has inspected the site followed by GW and soil sampling and analysis result reveals no contamination.	Concentrations of CoCs are reported within the range of standard/screening level. Therefore, it is proposed to de-list .
4.	Rajpur Dariba mines, District-Rajasmad, Rajasthan-313324	CS	<p>As per earlier report of RSPCB, Soil samples are analysed for CoCs and reported contamination with Lead.</p> <p>In view of the above, it was suggested to carry out detailed site investigation. Action taken report along with analysis result is awaited.</p>	RSPCB should carry out detailed site investigation and submit the report to CPCB within 3 months further any delay.
5.	Village Bichhadi (M/s Hindustan Agro Chemicals), Block Girva, Rajasthan	CS	<p>Site is inspected by RSPCB followed by GW sampling. Analysis result reveals that concentration of TDS & Hardness are in exceeded than the prescribed limits of BIS. BOD & COD is also reported.</p> <p>Soil samples are analysed for CoCs and no contamination is reported w.r.t., screening levels for commercial/industrial land-use.</p>	RSPCB may carry on periodically GW sampling in and around the site & analyse for physico-chemical parameters along with heavy metals and submit quarterly report to CPCB .

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by Rajasthan PCB	Observations/ Suggestions by CPCB
6.	Jaitpur Village, Rohat Block, Pali, Rajasthan-306421	PCS	<p>RSPCB has inspected the site followed by soil & GW sampling.</p> <p>GW Sampling is carried out and analysis result reveals that concentration of Arsenic is exceeded than the prescribed limits of BIS.</p> <p>Soil samples are analysed for CoCs and no contamination is reported w.r.t., screening levels for agricultural land-use.</p>	<p>RSPCB may carry on periodically GW sampling in and around the site & analyse for physico-chemical parameters along with all heavy metals and submit quarterly report to CPCB.</p> <p>Further, RSPCB may ascertain the source of contamination whether geo-genic or anthropogenic and intimate to CPCB for further decision.</p>
7.	Ramky waste management, Udaipur Rajasthan 313004	CS	<p>Site is inspected by RSPCB followed by GW and Soil sampling.</p> <p>GW Sampling is carried out and analysis result reveals that concentration of Copper is exceeded than the prescribed limits of BIS. BOD & COD also reported.</p> <p>Soil samples are analysed for CoCs and Cadmium, Chromium (T), Nickel & Zinc contamination is found exceeded w.r.t., screening levels for commercial/industrial land-use.</p>	<p>It is observed that Soil & GW is contaminated with heavy metals.</p> <p>Further, it is observed that Geo-coordinates of sampling locations are not mentioned in the report.</p> <p>RSPCB may carry out detailed site investigation of the site and submit the report to CPCB within 3 months.</p>

Uttarakhand

In Uttarakhand, there are 1 sites; Action taken report submitted by UKPCB vide letter dated 06.03.2023. The report is examined and following suggestions are made as below:

S. No.	Name of the Site	CS/ PCS	Action taken/ initiated by UPCB	Observations/ Suggestions by CPCB
1.	Village-Tansipur, Roorkee, Uttarakhand-247656	PCS	<p>UKPCB has carry out preliminary site investigation based on CPCB reference document.</p> <p>Analysis results w.r.t CoCs, heavy metals & physical parameters of soil and surface water samples reveal no contamination.</p> <p>Analysis result w.r.t CoCs, heavy metals & physical parameters of GW reveals no contamination, except COD.</p>	<p>Concentrations of CoCs are reported within the range of standard/screening level. Therefore, it is proposed to de-list.</p>
