



B-13011/1/2019-20/AQM

August 16, 2021

OFFICE MEMORANDUM

**Sub: Addendum to the Guidelines for Setting Up of New Petrol Pumps issued on January 07, 2020 -regarding.**

CPCB in compliance of the Hon'ble National Green Tribunal order dated January 18, 2019 in O.A. No. 86/2019: Gyanprakash @ Pappu Singh Vs Uol & Ors. issued guidelines for Setting Up of New Petrol Pumps vide O.M. No. B-13011/1/2019-20/AQM/10809 dated January 07, 2020.

Hon'ble NGT vide further orders dated 23.07.2020 and 09.10.2020, in the matter of Suresh Mandaloi Vs. State of M.P & Ors. (O.A. No. 61 of 2019 (CZ)), directed MoEF&CC and CPCB to submit a report with regard to the minimum distance from water bodies to the petrol pump.

The matter was referred to the Expert Committee and the draft guidelines for implementation in case of petrol pumps near water bodies were prepared. The guidelines also specify the groundwater and soil sampling protocol, frequency of sample collection and the prescribed parameters and screening values to be adopted. The same monitoring protocol and parameters/ values (except for monitoring frequency) need to be adopted for petrol pumps covered under the guidelines dated January 07, 2020.

These draft guidelines were placed in public domain for seeking comments/suggestions from public and concerned stakeholders. These were reviewed by the Expert Committee and the guidelines have been finalised and are hereby issued as addendum to the earlier CPCB Guidelines dated January 07, 2020 for implementation by concerned stakeholders.

This issues with the approval of the Competent Authority.

(P.K. Gupta)

Additional Director & Divisional Head  
AQM Div.

Encl.: As Above

To

1. All SPCBs/ PCCs  
(As per list enclosed)

*with a request to circulate to Commissioner of civil supplies or other similar authorities who look after issues related to petrol pumps at State/ UT level and District Collectors/ Commissioners /Deputy Commissioners.*

List of Stakeholders

|     |  |     |   |
|-----|--|-----|---|
| 1.  | The Member Secretary<br>Andhra Pradesh State Pollution Control Board<br>D. No.33-26-14D/2, Near Sunrise Hospital,<br>Pushpa Hotel Centre,<br>Chalmvari Street, Kasturibaipet,<br>Vijayavada-520010 | 2.  | The Member Secretary<br>Arunachal Pradesh State Pollution Control Board<br>'ParyavaranBhavan', Yupla Road,<br>PappuNallah,<br>Naharlagun - 791110<br>Arunachal Pradesh  |
| 3.  | The Member Secretary<br>Assam State Pollution Control Board<br>Bamunimaidan,<br>Guwahati - 781021<br>Assam   | 4.  | The Member Secretary<br>Bihar State Pollution Control Board<br>Parivesh Bhawan, Plot No.N-B/2,<br>Patliputra Industrial Area<br>Patna-800023  |
| 5.  | The Member Secretary<br>Chhattisgarh Environment Conservation Board<br>Paryavas Bhawan,<br>North Block Sector-19<br>NayaRaipur - 492 099<br>Chhattisgarh   | 6.  | The Member Secretary<br>Goa State Pollution Control Board<br>Nr. Pilerne Industrial Estate,<br>Opp. Saligao Seminary,<br>Saligao - Bardez<br>Goa - 403511   |
| 7.  | The Member Secretary<br>Gujarat State Pollution Control Board<br>Sector 10-A,<br>Gandhi Nagar - 382043<br>Gujarat  | 8.  | The Member Secretary<br>Haryana State Pollution Control Board<br>C-11, Sector 6, Panchkula,<br>Haryana 134109<br>Haryana  |
| 9.  | The Member Secretary<br>Himachal Pradesh State Pollution Control Board<br>ParyavaranBhavan, Phase III,<br>New Shimla - 171009<br>Himachal Pradesh  | 10. | The Member Secretary<br>J&K State Pollution Control Board, Parivesh Bhawan,<br>Forest Complex, Gladni, Narwal, transport Nagar,<br>Jammu (J&K)  |
| 11. | The Member Secretary<br>Jharkhand State Pollution Control Board<br>T.A Building, HEC Campus, P.O. Dhurwa<br>Ranchi 834004<br>Jharkhand   | 12. | The Member Secretary<br>Karnataka State Pollution Control Board<br>ParisaraBhavan, 4 <sup>th</sup> & 5 <sup>th</sup> floors<br>Church Street,<br>Bangalore - 560 001<br>Karnataka   |
| 13. | The Member Secretary<br>Kerala State Pollution Control Board<br>Plamoodu Junction, Pattam Palace P.O.<br>Thiruvananthapuram - 695004<br>Kerala   | 14. | The Member Secretary<br>Maharashtra State Pollution Control Board<br>Kalpataru Point, 3 <sup>rd</sup> & 4 <sup>th</sup> floors<br>Sion Matunga Scheme Road No. 6<br>Opp. Cine Planet, Sion Circle, Sion (E),<br>Mumbai 400 022, Maharashtra |
| 15. | The Member Secretary<br>Madhya Pradesh State Pollution Control Board<br>ParyavaranParisar, E-5 Arera Colony<br>Bhopal - 462016<br>Madhya Pradesh   | 16. | The Member Secretary<br>Manipur State Pollution Control Board<br><b>Lamphepat,</b><br><b>Imphal West D.C. Office Complex - 795004</b><br>Manipur  |
| 17. | The Member Secretary<br>Meghalaya State Pollution Control Board<br>Arden, Lumpynggad,<br>Shillong - 793014<br>Meghalaya  | 18. | The Member Secretary<br>Mizoram State Pollution Control Board<br>New Secretariat Complex,<br>Khatla, Thlanmaal Peng, Aizawl<br>Mizoram 796001   |
| 19. | The Member Secretary<br>Nagaland State Pollution Control Board<br>Signal Point, Dimapur,<br>Nagaland - 797112<br>Nagaland  | 20. | The Member Secretary<br>Odisha State Pollution Control Board<br>Paribesh Bhawan<br>A-118, Nilakanta Nagar, Unit VIII,<br>Bhubaneswar - 751012<br>Odisha   |
| 21. | The Member Secretary<br>Punjab State Pollution Control Board<br>Nabha Road, ITI Rd, Adarsh Nagar,<br>Prem Nagar,<br>Patiala - 147001, Punjab   | 22. | The Member Secretary<br>Rajasthan State Pollution Control Board<br>A-4 Institutional Area, JhalaneDungri<br>Jaipur - 302004, Rajasthan  |

|     |  |     |  |
|-----|--|-----|--|
| 23. | The Member Secretary<br>Sikkim State Pollution Control Board<br>State land Use & Environment Cell<br>Govt. of Sikkim, Deorali,<br>Gangtok,<br>Sikkim                                 | 24. | The Member Secretary<br>Tamil Nadu State Pollution Control Board<br>No. 76, Mount Salai, Guindy,<br>Chennai - 600032<br>Tamil Nadu   |
| 25. | The Member Secretary<br>Telangana State Pollution Control Board<br>Paryavaran Bhavan<br>A-3, Industrial Estate, Sanath Nagar,<br>Hyderabad - 500 018<br>Telangana                    | 26. | The Member Secretary<br>Tripura State Pollution Control Board<br>Parivesh Bhawan<br>Pt. Nehru Complex, Gorkhabasti P.O.,<br>Kurjaban, Agartala,<br>West Tripura - 799 006<br>Tripura |
| 27. | The Member Secretary<br>Uttarakhand Environment Protection & Pollution<br>Control Board<br>29/20, Nemi Road,<br>Dehradun - 248001<br>Uttarakhand                                     | 28. | The Member Secretary<br>Uttar Pradesh State Pollution Control Board<br>3 <sup>rd</sup> floor, PICUP Bhavan,<br>Vibhuti Khand, Gomti Nagar,<br>Lucknow - 226010<br>Uttar Pradesh      |
| 29. | The Member Secretary<br>West Bengal State Pollution Control Board<br>Paribesh Bhavan<br>Building, No.10-A, Block -LA, Sector 3,<br>Salt Lake City,<br>Kolkata - 700 091, West Bengal | 30. | The Member Secretary<br>Delhi Pollution Control Committee,<br>Government of N.C.T. Delhi<br>4th Floor, ISBT Building, Kashmere<br>Gate, Delhi-110006                                 |
| 31. | The Member Secretary<br>Andaman & Nicobar Islands Pollution<br>Control Committee,<br>Department of Science & Technology,<br>Dollygunj Van Sadan, Haddo P.O., Port Blair -<br>744102  | 32. | The Member Secretary<br>Chandigarh Pollution Control Committee,<br>Paryavaran Bhawan, Ground Floor, Sector 19 B<br>Madhya Marg, Chandigarh   |
| 33. | Member Secretary<br>Daman, Diu & Dadra Nagar Haveli<br>Pollution Control Committee,<br>Office of the Deputy Conservator of Forests,<br>Moti Daman, Daman - 396220                    | 34. | Member Secretary<br>Lakshadweep Pollution Control Committee,<br>Department of Science, Technology &<br>Environment,<br>Kavaratti-682555  |
| 35. | Member Secretary<br>Pondicherry Pollution Control Committee, Housing<br>Board Complex, Anna Nagar, Pondicherry-600 005   |     | ---  |

2. Joint Secretary (Marketing)  
Ministry of Petroleum and Natural Gas, Govt. of India  
Shastri Bhavan,  
New Delhi – 110001
3. Chief Controller of Explosives  
Petroleum and Explosive Safety Organization (PESO)  
A Block CGO Complex Fifth Floor Seminary Hills  
Nagpur-(Maharashtra) -440006
4. Director  
Legal Metrology  
Ministry of Consumer Affairs, Food and Public Distribution Deptt. of Consumer Affairs,  
Room No.461-A, Krishi Bhawan,  
New Delhi - 110 001
5. The Chairman,  
M/s. Bharat Petroleum Corporation Limited  
Bharat Bhavan, 4 and 6 Currimbhoy Road  
Ballard Estate, Mumbai 400 001
6. The Chairman,  
M/s. Hindustan Petroleum Corporation Limited  
Petroleum House, 17, Jamshedji Tata Road, Mumbai  
Maharashtra 400020
7. The Chairman,  
M/s. Indian Oil Corporation Limited  
Indian Oil Bhawan, G9, Ali Yavar Jung Marg  
Bandra East, Mumbai, Maharashtra 400 051
8. The Chairman,  
M/s. Shell India Markets Pvt. Ltd.  
Plot No. 7, Bangalore Hardware Park,  
Devanahalli Industrial Park  
MahadevaKodigehalli  
Bangalore- 562 149, Karnataka.
9. The Chairman,  
M/s Reliance Industries Limited,  
Maker Chambers - IV  
Nariman Point  
Mumbai 400 021, India
10. The Chairman,  
M/s. Nayara Energy Limited (Formerly Essar Oil Limited)  
5th Floor, Jet Airways Godrej BKC,  
Plot No. C-68, G Block  
BandraKurla Complex, Bandra East  
Mumbai- 450 051

**Copy to:**

1. Joint Secretary  
CP Division  
Ministry of Environment, Forest and Climate Change  
Indira Paryavaran Bhavan,  
Jorbagh Road, New Delhi – 110 003
2. Regional Director  
Regional Directorate, Lucknow  
PICUP Bhawan, Vibhuti Khand, Gomti Nagar,  
Lucknow– 226010
3. Regional Director  
Regional Directorate, Bengaluru  
A-Block, Nisarga Bhavan,  
1st and 2nd Floors, 7th D Cross, Thimmaiah Road, Shivanagar,  
Bengaluru-560079
4. Regional Director  
Regional Directorate, Bhopal  
Parivesh Bhawan, Paryavaran  
Parisar E-5, Aera Colony, Bhopal-462016
5. Regional Director  
Regional Directorate, Vadodara  
Parivesh Bhawan, Opp. Ward No. 10 VMC Office Subhanpura,  
Vadodara –390023
6. Regional Director  
Regional Directorate, Shillong  
"TUM-SIR". Lower Motinagar,  
Near Fire Brigade H.Q., Shillong–793014
7. Regional Director  
Regional Directorate, Kolkata  
'South end Conclave' Block-502, 5th & 6th Floor, 1582,  
Razidanga, Main Road, Kolkata- 700107
8. Regional Director  
Regional Directorate, Tamil Nadu  
Second Floor, No.77-A, South Avenue Road, Ambattur Industrial Estate, Ambattur  
Taluk, Thiruvallur District, Chennai- 600 058, Tamil Nadu.
9. Regional Director  
Regional Directorate, Chandigarh  
e-mail- [gurnamsingh.cpcb@nic.in](mailto:gurnamsingh.cpcb@nic.in)
10. Regional Director  
Regional Directorate, Pune  
e-mail - [bksharma.cpcb@nic.in](mailto:bksharma.cpcb@nic.in)
11. PA to CCB
12. AO to MS
13. IT Division : for uploading on CPCB website

## **ADDENDUM TO GUIDELINES FOR SETTING UP OF NEW PETROL PUMPS**

The Hon'ble NGT vide orders dated 23.07.2020 and 09.10.2020, in the matter of Suresh Mandaloi Vs. State of M. P. & Ors. (O.A. No. 61 of 2019 (CZ)), directed MoEF&CC and CPCB to submit a report with regard to the minimum distance from water bodies to the petrol pump.

The matter was subsequently referred to the Expert Committee constituted by CPCB earlier in the matter of guidelines for setting up of new petrol pumps and the following addendum guidelines (to guidelines dated 07.01.2020) have been finalised for implementation in case of petrol pumps near water bodies:

- a) All the surface water bodies irrespective of utility shall be protected from any possible contamination. These include lakes, ponds, streams, rivers, wetlands, canals and creeks, as per revenue records. Retail Outlets shall not be located within a distance of 50 meters from the nearest point of water bodies. In case of streams and rivers, the distance shall be considered from floodway. In case floodway is not defined, the distance shall be considered from firm banks/ edge of river. The siting criterion is to be implemented for all new petrol pumps where construction by OMCs starts post the issuance of these guidelines.
- b) Retail outlets coming within 50 meter to 100 meter from the nearest point of surface water body shall have secondary containment by way of double walled tanks or concrete protection walls around Underground Storage Tank (UST).
- c) Groundwater and soil quality monitoring near the premises of fuel retail outlets shall be conducted by OMCs once a year through E (P) Act, 1986 approved labs or labs with national/international accreditation. The monitoring shall be done for those Fuel Retail Outlets which are located within 100 meter from the nearest point of surface water bodies. These shall be applicable to all petrol pumps, regardless of the date of establishment. In case of any clarification and/or difficulty in obtaining samples for groundwater and soil quality monitoring, OMCs may seek

assistance of local administration/SPCB/PCC/CGWB. Protocol for soil and groundwater monitoring is annexed as Annexure-I.

- d) Groundwater and soil quality monitoring shall also be conducted by OMCs before installation of the new fuel retail outlet, for those retail outlets coming up within 100 meter from the nearest point of surface water bodies.

*NOTE: These guidelines are supplementary to all existing relevant Rules, Guidelines, Orders, Notifications such as Wetlands (Conservation and Management) Rules, 2017, Coastal Regulation Zone (CRZ) Notification, 2011 etc. The other measures, prescribed in CPCB guidelines for setting up of new petrol pumps dated 07.01.2020, for containment and treatment of spillages, check on leakages from USTs, treatment and disposal of sludge removed from underground tanks during cleaning, measures for protection of workers' health, audit of all protection measures and monitoring system implemented at petrol pumps, shall also apply to the fuel retail outlets falling in the criteria specified above.*

*Monitoring protocol specifying the prescribed parameters and screening values annexed with these guidelines (other than the monitoring frequency), shall also be adopted for those retail outlets where CPCB guidelines dated 07.01.2020 are applicable.*

*These guidelines shall be reviewed from time to time.*

## Annexure-I

### **Protocol for monitoring quality of soil and groundwater near the premises of fuel retail outlets**

Samples of groundwater being used for drinking purposes shall be collected from at least three different directions with reference to the retail outlet. The sampling point should be preferably within 50m distance from the underground storage tank location at the retail outlet. The samples shall be analysed for the following parameters:

*Table 1.*

| <b>Sr. No.</b> | <b>Parameter</b>   | <b>Screening Values</b>   |
|----------------|--|---|
| <b>1.</b>      | Total petroleum hydrocarbons (C <sub>10</sub> -C <sub>40</sub> ) | <b>0.6mg/L</b>  |
| <b>2.</b>      | BTEX   | i. Benzene- <b>0.01mg/L</b><br>ii. Toluene- <b>0.7mg/L</b><br>iii. Xylene- <b>0.5mg/L</b> |
| <b>3.</b>      | Methyl Tertiary Butyl Ether                                      | <b>13µg/l</b>   |
| <b>4.</b>      | Total PAH  | <b>0.0001mg/l</b>   |

Further, soil sample shall be collected from a borehole within the premises of the fuel retail outlet adjacent to the Underground Storage Tank (UST) pit. The depth of bore hole should be up to 1m below the bottom of the storage tank level. Soil samples shall be analysed for the following parameters:

*Table 2.*

| <b>Sr. No.</b> | <b>Parameter</b>                   | <b>Screening Values(mg/kg)</b> |
|----------------|------------------------------------|--------------------------------|
| <b>1.</b>      | Total petroleum hydrocarbons (TPH) | <b>5000</b>                    |
| <b>2.</b>      | Benzene                            | <b>5</b>                       |
| <b>3.</b>      | Toluene                            | <b>30</b>                      |
| <b>4.</b>      | Xylene                             | <b>50</b>                      |
| <b>5.</b>      | Methyl Tertiary Butyl Ether        | <b>100</b>                     |
| <b>6.</b>      | Total PAH                          | <b>40</b>                      |

Ground water and soil quality monitoring shall be conducted by OMCs once a year through E (P) Act, 1986 approved labs or labs with national/international accreditation and the reports are to be submitted to SPCB. The soil monitoring shall be done in first six months while groundwater monitoring shall be done in the next six months.



In case of exceedance of screening by any parameter, or in case of leakage resulting in soil/groundwater contamination, the measures/steps as prescribed in the guidelines for setting up of petrol pumps dated 07.01.2020 shall be taken up. Assessment and remediation shall be carried out as per the guidelines issued by MoEF&CC and CPCB.