

I/161786/2023

**HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph. 0172-2577870-73
E-mail: hspcbscientific@gmail.com**

No.HSPCB/SSC/2023/**Dated: 03.05.2023**

To

The Director General.
Information, Public Relations & Cultural Affairs Department,
Haryana
Chandigarh.

Sub: Notice for issuance of proposed discharge standards of treated sewage for irrigation purposes from Sewage Treatment Plants (STPs).

Kindly refer to the subject noted above.

In continuation of this office letter No.HSPCB/-09/28/2020-Water Cell-HSPCB-I/160271/2023 dated 20.04.2023, I have been directed to enclose herewith an advertisement regarding Notice for issuance of proposed discharge standards of treated sewage for irrigation purposes from Sewage Treatment Plants (STPs) for publication but this was got held up telephonically by HSPCB. Now the modified advertisement needs to be published and the same is enclosed herewith. It may be published in the following leading newspapers on DAVP rates:-

1. Publication in one Hindi and one English Newspaper.

In view of the above, I have been directed to request that this advertisement be published in the above said two newspapers and the bills of the above newspapers on DAVP rates may be sent to this office so that the payment of the above advertisement can be made for newspapers.

DA: Advertisement

**Sr. Env Engineer (SSC)
For Chairman**

Endst.No. HSPCB/SSC/2023**Dated 03.05.2023**

A copy of the above is forwarded to the Sr.E.E. (IT). He is requested to upload the advertisement notice on the website of the Board.

Digitally Signed by
Jatinder Pal Singh
Date: 03-05-2023 14:47:55

Reason: Approved
**Sr. Env Engineer (SSC)
For Chairman**



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Website – www.hspcb.gov.in
E-Mail: hspcbscientific@gmail.com
Ph:0172-2577870-873

Notice for issuance of proposed standards for discharge into water bodies for re-use of treated sewage from Sewage Treatment Plants (STPs).

Whereas, amongst others, under section 17 of the Water (Prevention & Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control or abatement of pollution of streams and wells in the State and to secure the execution thereof;

Whereas, the cities and the towns are not having adequate system for sewage collection and its treatment and thus entire waste water either falls into rivers or lakes or remains inundated on land causing potential risk to the ground water contamination.

Whereas, this Board is regularly monitoring the water quality of Water Bodies in the State of Haryana and the water quality monitoring results of rivers has indicated that water quality has been affected because of disposal of untreated or partially treated sewage into the water bodies and as a result, there is high concentration of faecal bacteria making the water body unfit for human consumption or for other uses;

Whereas, Haryana State Pollution Control Board has adopted the standard for emission or discharge of Environmental Pollutants as prescribed under Section 3 of Environment (Protection) Rules, 1986 but the standards for discharge of Faecal Coliform in sewage effluent discharging from sewage treatment plants (STPs) has not been prescribed therein;

Whereas, the State Pollution Control Board under section 17 of the Water Act has been mandated with the following functions which inter-alia including;

- “(f) to inspect sewage or trade effluents, works and plants for the treatment of sewage and trade effluents and to review plans, specifications or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of any consent as required by this Act;
- (g) lay down, modify or annul effluent standards for the sewage and trade effluents and for the quality of receiving waters (not being water in an inter-State stream) resulting from the discharge of effluents and to classify waters of the State;
- (h) to evolve economical and reliable methods of treatment of sewage and trade effluents, having regard to the peculiar conditions of soils, climate and water resource of different regions and more especially the prevailing flow characteristics of water in streams and wells which render it impossible to attain even the minimum degree of dilution;
- (i) to evolve methods of utilization of sewage and suitable of sewage and suitable trade effluents in agriculture;
- (j) to evolve efficient methods of disposal of sewage and trade effluents on land, as are necessary on account of the predominant conditions of scant stream flows that do not provide for major part of the year the minimum degree of dilution;
- (k) to lay down standards of treatment of sewage and trade effluents to be discharged in to any particular stream taking into account the minimum fair weather dilution available in that stream and the tolerance limits of pollution permissible in the water or the stream, after the discharge of such effluents;
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- (m) to lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage or both and to lay down, modify or annul effluent standards for the sewage and trade effluents;”

Whereas, as per section 3 of the Environment (Protection) Rules, 1986, the State Pollution Control Board can specify more stringent standards from those provided under Section 3 of Environment (Protection) Rules, 1986, depending upon the quality of recipient system and after recording the reasons, thereof, in writing.

Whereas, Board had fixed discharge standard for STPs vide No. HSPCB/ WC-2/2170-2199 dated 02.07.2020 and now, the Board intends and proposes to fix standards for re-use of treated sewage from the STPs for different purposes, under the powers conferred as per Section 3 of the Environment (Protection) Rules, 1986 & Section 17 of Water (Prevention and Control of Pollution) Act, 1974 as under:-

Sr.No.	Parameters	Standards discharge for STPs	Proposed Standards for re-use of treated sewage from STPs for	
			Irrigation Purpose	Industrial processes, construction activities and other non-potable usage
1.	pH	5.5 – 9.0	6.5 - 8.5	6.5 - 8.5
2.	BOD (mg/l)	10	10*	10
3.	COD (mg/l)	50	50*	50
4.	TSS (mg/l)	20	20	10
5.	Total Nitrogen (mg/l)	10	10	10
6.	Total Phosphorus (mg/l)	1	1	1
7.	Faecal Coliform (MPN/100 ml)	<100	<100	<100
8.	Sodium Adsorption Ratio (SAR) meq/l		<10	<10
9.	Residual Sodium Carbonate (RSC), meq/l		< 2.5	< 2.5
10.	Electrical Conductivity (EC), µmhos/cm		<2000	<1200
11.	TDS (mg/l)		1500	750
12.	Boron (mg/l)		1	1
13.	Chloride (mg/l)		100	100
14.	SO ₄ (Sulphates)		200	200
15.	Fluoride (mg/l)		1	1
16.	Cu (Copper) (mg/l)		0.2	0.2
17.	Fe (Iron) (mg/l)		5.0	5.0
18.	Zn (Zinc)		2.0	2.0
19.	Mn (Manganese) (mg/l)		0.2	0.2
20.	Cr (Chromium) (mg/l)		0.1	0.1
21.	Ni (nickel) (mg/l)		0.2	0.2
22.	Pb (Lead) (mg/l)		0.01	0.01
23.	As (Arsenic) (mg/l)		0.01	0.01
24.	Cd (Cadmium) (mg/l)		0.01	0.01
25.	Co (Cobalt) (mg/l)		0.05	0.05
26.	Li (Lithium) (mg/l)		2.5	2.5
27.	Hg (Mercury) (mg/l)		0.01	0.01

***If the operating agency uses the treated wastewater of STPs entirely for irrigation purposes, then BOD of 30 mg/l and COD of 150 mg/l will be permissible, provided the treated wastewater is not discharged into drain/ nallah/ river/ any other surface water, under any circumstance.**

Therefore, the above notice is issued for receiving objections/ suggestions from all the stakeholders within 15 days. So all the concerned stakeholders are requested to submit their objections/ suggestions if any alongwith reasons to the Chairman of Haryana State Pollution Control Board at above mentioned address so that further necessary action in this regard could be taken.

Chairman



All the bills of Boards and Corporations submitted by the Newspapers after 15th March 2022 are to be paid through online system. Request No.: 44039 is submitted Successfully!

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