



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
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Sub:- Fixing of effluent discharge standards for 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, 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 pollutants 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 include;

- (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 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;

- (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, therefore, in writing & there are following grounds/reasons for fixing stringent standards for discharge of faecal coliform in sewerage effluent from the STPs:

1. The quantity of flow in River Yamuna and River Ghaggar has drastically come down during the recent years and these rivers have no flow in some stretches in non rainy periods and especially in summer. The State Pollution Control Board has been given mandate under section- 17(k) of the Water Act, 1974 to lay down standards of treatment of sewage to be discharge into any stream taking into account the minimum dilution available to maintain the quality of recipient Water Bodies & Rivers as per prescribed standards and accordingly, the revised standard are required for STPs which are discharging sewage.
2. The Hon'ble NGT has already issued various directions and state has to maintain the water quality standards in the rivers.
3. The State Govt. has already submitted Yamuna Action Plan and Ghaggar Action Plan before the Hon'ble NGT in OA No. 673 of 2018 "More River Stretches are Critically Polluted now: CPCB", wherein, as per objective of the Action Plans, to achieve standards for faecal coliform in sewage discharged less than 500 MPN / 100 ml.;

Whereas, in matter of OA No. 138 of 2016 titled as "Stench Grips Mansa's Sacred River Ghaggar", vide order dated 15.06.2020, Hon'ble NGT has fixed standards for Faecal Coliform as "less than 100 MPN/ 100 ml" and accordingly, this standard for faecal coliform has to be complied with.

Whereas, a public notice was published in Newspaper on 29.05.2020 for inviting objections / suggestions for proposed standards for discharge from STPs and no objections/ suggestions have been received from any quarter.

Therefore, considering all the aspects and 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, the standard for discharge of treated sewage/ effluent from the STPs are fixed as given below:-

Sewage/ Effluent Discharge Standards For Sewage Treatment Plant		
Sr. No.	Parameters	Parameters Limit
1	pH	5.5 - 9.0
2	BOD (mg/l)	10
3	COD (mg/l)	50
4	TSS (mg/l)	20
5	Total Nitrogen (mg/l)	10
6	Total Phosphorus (for discharge into Ponds, Lakes) (mg/l)	1
7	Faecal Coliform (MPN/100 ml)	Less than 100

Further, with the power conferred under Section 33 A of the Water (Prevention & Control of Pollution) Act, 1974, the Haryana State Pollution Control Board issues following directions to all the Government Departments/ Agencies/ Units responsible for management & treatment of sewage effluents with regard to achieve the stringent standards for discharge of effluent as fixed by HSPCB:-

1. All the existing / under construction STPs/ under upgradation and modification which have been designed and executed for above parameters shall achieve above discharge standards immediately. The sewerage treatment plants to be installed in future, will be designed and constructed to achieve the above proposed discharge standards.
2. STPs which have not been designed for above standards so far shall achieve above discharge standards within 1 years in case of standards at Sr. No. 1 to 6.
3. The above faecal coliform standards shall to applicable to all STPs including existing STPs.

**Sh. Ashok Kheterpal,
Chairman**

**Dated the
2nd July, 2020**

No. HSPCB/ WC-2 / 2162-2169

Dated:-02.07.2020

A copy of the above is forwarded to the following for information and further necessary action please:-

1. Chief Secretary, Haryana, Chandigarh.
2. Chief Executive Officer, GMDA, Gurugram.
3. Additional Chief Secretary, PHED, Haryana, Chandigarh.
4. Additional Chief Secretary, Irrigation Department, Haryana, Chandigarh.
5. Additional Chief Secretary, ULBD, Haryana, Chandigarh.
6. Principal Secretary, Industries Department, Haryana, Chandigarh.
7. Principal Secretary, Town & Country Planning Department, Haryana, Chandigarh.
8. Principal Secretary, D & P Department, Haryana, Chandigarh.

**-sd-
Sr. Env. Engineer (WC),
For Chairman.**

Endst. No. HSPCB/ WC-2 / 2170-2199

Dated:-02.07.2020

A copy of the above is forwarded to the following for information and further necessary action please:-

1. All Branch Incharges.
2. All Regional Officers in field.
3. All Lab Incharges.

**-sd-
Sr. Env. Engineer (WC),
For Chairman.**