



Ref: UEPPCB/HO/Gen-360/2015/ 8767-2226 Dehradun, March 13, 2015

Speed Post

To,

As per list enclosed
(1-4 Distillery Units)

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Direction under Section-33(A) of the Water (Prevention & Control of Pollution) Act, 1974 to ensure zero liquid discharge from distilleries.

Whereas, among others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Board (SPCB)/Pollution Control Committee (PCC), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control of abatement of pollution of streams and wells located in the State/UT and to secure the execution thereof; and

Whereas, the Central Government has notified the standards for discharge of environmental pollution from various categories of industries under the Environment (Protection) Act, 1986 and the rule framed there under; and

Whereas, the CPCB and SPCBs have been pursuing the polluting industries to install effluent treatment plants (ETPs) to comply with the effluent discharge standards as notified under the Environment (Protection) Act, 1986 and the Rules framed there under; and

Whereas, the SPCBs/PCCs can stipulate stringent standards for discharge of environmental pollution from various categories of industries than those notified by the Central Government, under the Environment (Protection) Act, 1986 and rules framed there under; and

Whereas, various industrial units including distilleries located in the state of Uttarakhand discharge effluent in the rivers Ramganga, Kali and other tributaries and drains of the State, in the catchment area of Ganga basin, which adversely affect the water quality of river Ganga; and

Whereas, under the National Ganga River Basin Authority (NGRBA) it has been decided to address the issue of pollution of river Ganga in a comprehensive and time bound manner; and

Whereas, the Hon'ble Prime Minister's Office reviewed the progress made in the activities of the NGRBA on 06th January, 2015 and has identified thrust areas, including ensuring zero liquid discharge from feasible industrial sectors; and

Whereas, the Central Pollution Control Board has issued directions under Section 18(1)(b) of the Water (Prevention and Control of Pollution) Act, 1974, to the Chairman, Uttarakhand Environment Protection and Pollution Control Board to ensure Zero Liquid Discharge from distilleries.

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Now therefore, in view of the above and in exercise of the powers conferred under Section 33(A) of the Water (Prevention and Control of Pollution) Act, 1974, you are hereby directed to take adequate steps within 10 days of receipt of this direction to implement the following directions in the distillery Industry to ensure achievement of Zero Liquid Discharge:

1. All the molasses based distilleries including yeast manufacturing units in the State of Uttarakhand are directed to achieve zero liquid discharge of effluent by following either of the two routes as specified below :-
 - a. Installing systems for Solid separation for reduction in volume of spent wash and water conservation by using appropriate technology such as R.O, by September 30, 2015, followed by evaporation-concentration and incineration, using appropriate technology such as MEE and incineration boiler by March 31, 2016.
 - b. Adopting advance process technologies (continuous fermentation, multi pressure distillation, integrated evaporation, etc) for reduction of spent wash generation to 6-8 KL/KL of alcohol produced, by march 31, 2016, followed by evaporation-concentration and incineration, using appropriate technology such as MEE and incineration boiler by September 30, 2016.
2. Industries which have already adopted advance process technologies (continuous fermentation, multi pressure distillation, integrated evaporation, etc) are directed to set up evaporation-concentration and incineration system by March 31, 2016.
3. Till such time the industries comply with the installation of incineration system (but not later than 31.03.2016 or 30.09.2016, as the case maybe, indicated in Point No. 1 & 2 above) they are allowed to utilize the spent wash for manufacturing bio-compost within their premises, with proper labeling and marketing of the finished compost, in sealed bags, bearing the name and seal of the manufacturer industry and the composition of the bio-compost. Industries are not allowed to sale compost in open tractors/trolleys.
4. The systems installed by industries shall have adequate capacities to treat the entire spent wash generated, so as to achieve Zero Liquid Discharge within the period mentioned above and individual units are directed to furnish time bound commitment and action plan within one month, i.e. before 31st March, 2015.
5. The separated water from solid separation system such as R.O. and condensate from evaporation-concentration systems such as MEE shall be reutilized in the process/utility. If required, separated water and condensate may be treated before reutilization.
6. Industries are directed to install measuring devices (water/flow meters) at required locations (raw water consumption, solid separation system: feed, permeate and reject evaporation-concentration system: feed, concentrate and condensate, water reused in the process & concentrate utilized in incineration) to record the water balance by March 31, 2016.
7. Industries are directed to display the water balance and quantities of concentrated spent wash disposed in incineration system (incineration boiler/equivalent technology) and report the reduction in raw water consumption as a result of adopting these systems. Industry shall also install web cameras at each strategic location for monitoring purpose.
8. The storage facility provided for spent wash shall be properly lined and made impermeable and the storage capacity at any stage shall not exceed 07 days equivalent of

production and excess storage facilities beyond this shall be leveled or dismantled by 31.03.2016 or 30.09.2016, as the case maybe, indicated in Point No. 1 & 2.

9. Other effluent streams apart from spent wash including spent lees, plant washings, leakages, bottle washings, boiler blow down, etc shall be treated properly in a separate ETP or mixed with the feed for R.O/MEE and shall and shall be reused/utilized in the process/utilities suitable by March 31, 2016.
10. The present direction supersede all the previous directions from the CPCB or UEPPCB related to Zero Liquid discharge in the distillery Units.

It may be noted, as your are aware, that such a commitment for achieving zero liquid discharge by distillers in the Ganga Basin is being submitted from time to time before the Hon'ble Supreme Court of India and the Hon'ble NGT, Delhi in the related litigations pending before the Hon'ble Courts.

The action taken report shall be submitted to the UEPPCB within 10 days from the date of receipt to these directions along with a time bound action plan for compliance of the direction. Industry shall also acknowledge the receipt of these directions to UEPPCB by return fax. (Fax: 0135-2718092).

This issues with the approval of the Competent Authority of the Board.

Vsep
12/3/15
(Vinod Singhal)
Member Secretary

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Copy to:-

1. Chairman, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Sahadara, Delhi for kind information please.
2. Chairman, Uttarakhand Environment Protection & Pollution Control Board, Dehradun for kind information please. Copy of the CPCB's direction is also enclosed for kind perusal.
3. Scientific Officer, UEPPCB, Head Office, Dehradun for kind information please.
4. Regional Officer (I/c), Uttarakhand Environment Protection & Pollution Control Board, Haldwani/Roorkee/Kashipur/Dehradun for kind information and strict compliance of above directions. Copy of the CPCB's direction is also enclosed for kind perusal.
5. Consent File of the Unit.

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Vsep
12/3/15
Member Secretary

12/3/15
12/03/15

Distilleries Units (March- 2015)	
1. Managing Director/Director M/S India Glycol Ltd. (Distillery Unit) Bazpur Road, Kashipur, Distt. - US Nagar (Uttarakhand)	2. Managing Director/Director M/S The Bazpur Co-operative Sugar Factory Ltd., (Distillery Unit), Bazpur, Distt. US Nagar (Uttarakhand)
3. Managing Director/Director M/S Doon Valley Distillers Kuanwala, P.O. - Harrawala, Dehradun (Uttarakhand)	4. Managing Director/Director M/S RBNS Sugar Ltd. (Distillery Unit), Laksar, Distt. Haridwar (Uttarakhand)

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