

PUNJAB POLLUTION CONTROL BOARD

VATAVARAN BHAWAN, NABHA ROAD, PATIALA

Office Order

No.SEE(HQ-2)/2017/1034

Dated. 20.11.17.

Subject: Environmental Guidelines for Layered Poultry Farms.

Punjab Pollution Control Board has already circulated Environmental Guidelines for the poultry farms to all the offices of the Board vide letter no. SEE(HQ-2)/2015/46346 dated 23.11.2015 for implementation. However, sub para 1 of para 3-B titled as "Manure Storage and Management" does not prescribe the manner and time period for removal/management of the manure(droppings/litter). The PPCB has conducted a detailed study of the mechanism to manage the manure (droppings/litter) of layered poultry farms. It has been observed that thin manure is a major cause of pollution in terms of foul odour due to ammonia production and breeding of the house flies and hence a cause of public nuisance, as well as a major health hazard for poultry industry. The inhouse study was conducted by a team headed by PPCB Chairman Sh. K.S. Pannu, IAS assisted by Executive Engineer Sh. Surinder Singh Matharoo. The study has revealed that the bird droppings should either be manually/mechanically removed from shed once in 48 hours for its immediate consumption in power plants/gas plants/ direct to field as manure or these should be stored within or outside the shed with moisture level of 80-90%. The study has revealed that high level of moisture (80-90%) in poultry droppings (manure) immediately dissolves the ammonia and does not allow the housefly to breed, thus giving complete respite from both the problems of "Mushak and Makhi". Needless to mention that with the control of pollution in the poultry sheds, the health and productivity of the poultry birds improves substantially. A copy of the study report has been sent separately.

The study has come up with recommendations for proper and scientific disposal of bird droppings/litter(manure). Therefore, following sub-paras are hereby added in Para 3-B of the Environmental Guidelines for poultry farms as already circulated vide letter SEE(HQ-2)/2015/46346 dated 23.11.2015.

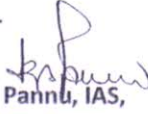
1. In case of layered poultry farms, litter/droppings shall be removed once in 48 hours manually or with mechanical scrapping system and shall be managed as per following:-
 - a) As a fuel in the boiler furnaces after blending with other fuels or for bio-gas generation or for manure directly in fields.
 - or
 - b) Store it in the impervious pits about 5 feet deep lined with LDPE sheet/stone slabs/concrete etc. constructed outside the poultry shed as per guidelines already circulated, however, moisture content in the pit shall be maintained in the range of 80-90%. Such litter/droppings stored in the pit can be used later on as per details mentioned at(a) above.

[Signature]

or

- (c) Shall be kept in situ as such within the sheds by providing LDPE sheet/concrete flooring beneath the surface but in saturated condition by maintaining the moisture content in the range of 80-90%.

The above amendments in the Environmental Guidelines circulated in November, 2015 shall come into force with immediate effect and no poultry farm shall be allowed to operate after 31.12.2017 without compliance of the above Guidelines.


K.S. Pannu, IAS,

Chairman, PPCB, Patiala.

Endst. No. 42251-254

Dated: 2-11-17

A copy of the above is forwarded to the Chief Environmental Engineer, Punjab Pollution Control Board, Patiala, Ludhiana, Bathinda, Jalandhar for information and ensuring necessary compliance.


Senior Environmental Engineer (HQ-2)

Endst. No. 42255-61

Dated: 2-11-17

A copy of the above is forwarded to Senior Environmental Engineer, Punjab Pollution Control Board, Zonal Office, Patiala-I/II, Ludhiana-I/II, Bathinda, Jalandhar and Amritsar for information and necessary action.


Senior Environmental Engineer (HQ-2)

Endst. No. 42262

Dated: 2-11-17

A copy of the above is forwarded to Senior Environmental Engineer (HQ-1), Punjab Pollution Control Board, Head Office, Patiala for information please.

Senior Environmental Engineer (HQ-2)

Endst. No. 42263-276

Dated: 2-11-17

A copy of the above is forwarded to Environmental Engineer, Punjab Pollution Control Board, Regional Office, Patiala/ Sangrur/ Bathinda/ Faridkot/ Jalandhar/ Amritsar/ Hoshiarpur/ Batala/ Ludhiana-I/II/III/IV, Fatehgarh Sahib and Mohali for information and necessary action with the request to ensure the compliance of the Environmental Guidelines for poultry farms to mitigate the problem of flies & odour from all the layered poultry farms located in their area of jurisdiction.


Senior Environmental Engineer (HQ-2)

Endst. No. 42277

Dated: 2-11-17

A copy of the above is forwarded to Environmental Engineer(Computer), Punjab Pollution Control Board, Patiala for uploading the order on the website of the Board.


Senior Environmental Engineer (HQ-2)