

# Punjab Pollution Control Board, Nabha Road, Patiala.

## BOARD NOTIFICATION

April, 1999

No. Admt./SA-2/F.No.178/99/ 03

Dated. 26.4.99

The Punjab Pollution Control Board in 100<sup>th</sup> Board meeting held on 16.12.1998 has approved the following guidelines, Emission Standards and Important points for prevention of pollution by Hot Mix Plants.

### SITING GUIDELINES:

Distance from

Municipal Corporation Limits	5 Km.
Class A Towns and Cities Limits	2 Km.
Other Towns and Cities Limits	1 Km.
Village Laldora/Phirni	500 m. ✓
Wild Life Sanctuary/Zoo	500 m. ✓
National Highway	500 m. ✓
State Highway/Scheduled Road	300 m. ✓
Residential Areas (15-pucca houses)	300 m. ✓
Educational Institute/Historical Religious Places/ Protected Monuments	300 m. ✓

### Provision of Green Belt

The industry should plant three rows of spreading crown & fast growing varieties of evergreen broad leaved trees all along the boundary.

Note: Distance shall be measured from the edge of the metalled road to the nearest stack of the hot mix plant.

### EMISSIONS STANDARDS FOR HOT MIX PLANT

S.P.M (Mg/Nm<sup>3</sup>) 150

Note: There should be no smoke visible from the plant.

### Important points for Prevention of Pollution by Hot Mix Plant

1. A suitable dust control system for the dryer and mixer to contain/recycle permissible fines in the mix should be provided. It should be capable of preventing the exhaust of fine dust into atmosphere from both ends of the dryer drum by creating adequate negative pressure.
2. The plant should have centralized control panel/cabin capable of presetting controlling/synchronizing all operations, starting from feeding of cold aggregates to the discharges of the hot mix to ensure proper mixing. It should have adequate water scrubbing mechanism to completely remove/control the dust coming out of the dryer with proper provision of re-circulation system for the scrubber water.
3. Bitumen must be mixed with aggregate as soon as it is heated and dried and second time lifting of the dried aggregate for proper batching should be avoided.
4. All roads/vehicular movement areas at site of Hot Mix Plant should be pucca/stabilized with stone aggregates and regular sprinkling of water be ensured so that no dust is generated with vehicular movement.

5. Hot mix plant must have proper stack heights for its scrubbed flue gases and bitumen heating system with proper platform and port holes as per the Punjab Pollution Control Board norms.
6. Fine dust arrested by water scrubber and collected in the re-circulation water tank should be collected and filled in a pit to be covered with fresh earth. This exercise should be repeated as and when dust is removed from re-circulation tank.

*F. Lal Kansal*  
Chairman

Endst. No. Admn./SA-2/F.No. 178/99/ 10683-710

Dated. 26.4.99

A copy of the above is forwarded to the following for information and necessary

action:

1. The Principal Secretary to Government of Punjab, Deptt. of Science, Technology, Environment and Non-Conventional Energy, Chandigarh.
2. The Director of Industries and Commerce, Punjab, 17-Bays Building, Sector 17, Chandigarh.
3. The Chairman, Punjab State Electricity Board, Patiala.
4. The Director, Food and Supplies Department, Punjab, Sector 17, Chandigarh.
5. The Managing Director, State Government Industrial Development Corporation, Sector 17, Chandigarh.
6. The Managing Director, Small Scale Industries and Export Corporation, Sector 17, Chandigarh.
7. The Chief Co-ordinator, Udyog Sahayak, 18, Himalya Marg, Udyog Bhawan, Sector 17, Chandigarh.
8. Sh. R.S. Dhingra, Environmental Engineer, 18, Himalya Marg, Udyog Bhawan, Sector 17, Chandigarh.
9. The Managing Director, Punjab Financial Corporation, Sector 17, Chandigarh.
10. The General Manager, All District Industries Centres in Punjab.
11. The Chief Engineer (Commercial), Punjab State Electricity Board, Patiala.
12. The Director (Commercial), Punjab State Electricity Board, Patiala.

*Dr. G. N. D.*  
Administrative Officer  
Dated. 26.4.99

Endst. No. Admn./SA-2/F.No. 178/99/ 10711-32

A copy of the above is forwarded to All Industrial Associations, Punjab for information.

*Dr. G. N. D.*  
Administrative Officer  
Dated. 26.4.99

Endst. No. Admn./SA-2/F.No. 178/99/ 10733-72

A copy of the above is forwarded to the following for information and necessary

action:

1. The Senior Environmental Engineer, Punjab Pollution Control Board, Patiala/Ludhiana.
2. The In-charge (P&G/IPS), Punjab Pollution Control Board, Patiala.
3. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Patiala/Ludhiana-1/2/Jalandhar/Ajritsar/Gurdaspur/Joshigarh/Singrour/Bathinda/Faridkot and Nodal Office, Chandigarh. with 5 spare copies each.
4. The Environmental Engineer-1/2/3/4/CSA/IWM/General-1/Construction, Punjab Pollution Control Board, Patiala.
5. The Scientific Officer, Punjab Pollution Control Board, Patiala.
6. The Deputy Controller (F&A), Punjab Pollution Control Board, Patiala.
7. The Asstt. Personnel Officer/Law Officer, Punjab Pollution Control Board, Patiala.
8. All Assistant Environmental Engineer, Punjab Pollution Control Board, Head Office, Patiala.
9. The P.S to Chairman/P.A to Member-Secretary, Punjab Pollution Control Board, Patiala.

*Dr. G. N. D.*  
Administrative Officer  
Dated. 26.4.99