



Annual Report

Year 2010-11

CHAPTER-1

Introduction

The Haryana State Pollution Control Board (HSPCB) is a statutory authority entrusted to implement environmental laws and rules within the jurisdiction of the State of Haryana, India. The Board ensures proper implementation of the statutes, judicial and legislative pronouncements related to environmental protection within the State. Haryana Water Pollution Control Board was constituted under Water (Prevention and Control of Pollution) Act, 1974 vide Notification No. 86/(4)(iv)74/33298 dated 19.9.1974 to provide for Prevention and Control of Water Pollution and maintaining or restoring wholesomeness of water. The State Pollution Control Board was also entrusted with additional responsibility of implementing the Water (Prevention and Control of Pollution) Cess Act, 1977 with a view of augmenting the resources of the State Pollution Control Boards. The State Pollution Control Board were also given additional responsibilities under Air (Prevention and Control of Pollution) Act, 1981 to take appropriate steps for preservation of quality of Air and Control of Air Pollution. The Board was subsequently given the responsibility of implementing a series of other environmental Acts and Rules, either directly or indirectly, as stated hereafter.

1. The Water (Prevention and Control of Pollution) Act, 1974, amended 1988 and Rules made thereunder:

The Act provides (i) for the prevention and control of water pollution and the maintaining of restoring the wholesomeness of water, (ii) for the establishment of Boards for the prevention and control of water pollution, and (iii) for conferring on and assigning to such Boards the powers and functions relating thereto and for matters connected therewith.

2. The Water(Prevention and Control of Pollution) Cess Act, 1977, amended 1992, 2003 and Rules made thereunder;

The Act aims to provides for the levy and collection of cess on water consumed by persons carrying on certain industries and by local authorities, with a view to augment the resource of the Central Board and the State Boards for the prevention and control of water pollution constituted under the Water Act.

3. The Air (Prevention and Control of Pollution) Act, 1981, amended 1987 and Rules made thereunder:

The prime objective of the Act is to provide (i) for the prevention, control and abatement of air pollution, (ii) for the establishment of Boards, and (iii) for the conferring on and assigning to such Boards powers and functions relating thereto and for matters connected therewith.

4. The Environment (Protection) Act, 1986, amended 1991 and Rules made thereunder:

The Act intends to provide for the overall protection and improvement of the environment.

5. The Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008

The Rule demands that the various categories of hazardous waste, as mentioned in the Rules and generated within the state of Haryana, are properly stored, treated and disposed of, to ensure that the handling of such waste does not cause any ecological disturbance.

6. The Manufacture, Storage and Import of Hazardous Chemicals rules, 1989, amended 2000

The main intention of the Rule is to impose restriction on the manufacture and storage of hazardous chemicals, as well as to control the import of hazardous chemicals, which are not permitted to import under this Rule.

7. The Biomedical Wastes (Management and Handling) Rules, 1998, amended 2003

The Rule aims for the management and handling of biomedical waste generated from health care establishments.

8. The Recycled Plastics manufacture and usage Rules, 1999, amended 2003

The Rule was notified to impose restriction on the manufacture and uses of recycled plastics carry bags and containers.

9. The Municipal Solid Wastes (Management & Handling) Rules, 2000

The main intention of the Rules is to regulate the management and handling of the municipal solid wastes.

10. The Noise Pollution (Regulation and Control) Rules, 2000 amended 2000, 2002, 2006

The Rule intends to regulate and control Noise-producing and noise-generating sources. Rules relating to Noise Pollution notified under Environment (Protection) Rules, 1986: **(i) The Environment (Protection) Amendment Rules, 2001, 2003 (ii) The Environment (Protection) (Second Amendment) Rules, 1998, 1992, 2002 (iii) The Environment (Protection) Fourth Amendment Rules, 2002.**

- 11. The Batteries (Management and Handling) Rules, 2001.**
The Rule demands for the management and handling of used batteries.
- 12. The Ozone Depleting Substances (Regulation and Control) Rules, 2001**
The Rule aims for regulating the ozone depleting substances.
- 13. The Public Liability Insurance Act, 1991, amended 1992 and Rules made thereunder;**
The Act aims at providing immediate relief to the persons affected by accident occurring while handling any hazardous substance.

CHAPTER-2

Constitution of the Board

The present Board has been constituted by the Environment Deptt. Government of Haryana vide its notification No.2/22/08-1 Env. Dt. 21.11.2008. The composition of the Board is as under:-

Official Members		
1.	Dr. A.S. Chahal,	Chairman
2.	Sh. S.K. Monga,	Member Secretary
3.	Director, Urban Local Bodies, SCO No. 6-7, Sector 17-B, Chandigarh.	Member
4.	Director, Environment, Haryana, SCO No. 1-3, Sector 17-D, Chandigarh.	Member
5.	Transport Commissioner, Haryana 30-Bays Building, Chandigarh.	Member
6.	Public Health Engineering Department, Haryana, Panchkula.	Member
7.	Principal Chief Conservator of Forests, Haryana, Panchkula.	Member
Members from the Local Authorities		
1.	Sh. Suresh Gupta, M.C. Rohtak, S/o Sh. Shivji Mal, H.NO. 1302/9, Bawara Chowk, Rohtak.	Member
2.	Sh. Narender Singh, M.C. Jind, H.No. 4773, Sec-11, Urban Estate, Jind	Member
3.	Sh. Harish Sasan, Municipal Councilor, 18/290, Baldev Nagar, Ambala City.	Member
4.	Sh. Jitender Bhardwaj, S/o Sh. Subhash Chand, M-39, Old DLF, Near Sec-14, Gurgaon.	Member
5.	Sh. Basant Virmani, Deputy Mayor, Faridabad, H.No. 1016, Sec-15, Faridabad.	Member

Members from Agriculture, Fishery, Industry and Trade etc.		
1.	Sh. Mange Ram Dahiya, S/o Sh. Ghasi Ram Dahiya, H.No. 727/23, DLF Colony, Rohtak	Member
2.	Sh. Raghubir Singh Tewatia, Shop No. 17, New Anaj Mandi, Palwal, Faridabad.	Member
3.	Sh. Sant Lal Madan, Retd. XEN, H.No. S-1, Public Health Colony, Rohtak.	Member
Members from Corporations and Companies		
1.	Managing Director, HSIIDC, Panchkula.	Member
2.	Managing Director, Haryana Financial Corporation, Chandigarh.	Member

CHAPTER – 3

Meetings of the Board with Major decisions

During the year 2010-11, the following meetings of the Board were held under the Chairmanship of Dr. A.S. Chahal, Chairman of the Board:-

Sr. No	Meeting	Date of Meeting	Place
1.	154 th	22.6.2010	Panchkula
2.	155 th	29.09.2010	Panchkula
3.	156 th	24.12.2010	Panchkula
4.	157 th	30.03.2011	Panchkula

The following major decisions were taken during the year 2010-11:-

- (1) Preparation of Action Plan of abatement of pollution in critically polluted area for Faridabad and Panipat.
- (2) Strengthening of HSPCB – Creation of District-wise Regional Office and creation of additional posts in HSPCB.
- (3) Preparation of Short Documentary Film regarding ill-effects of wheat stubble/paddy straw and remedial measures thereof.
- (4) Scheme for Financial Assistance for Installation of Sewage Treatment Plants in smaller towns.
- (5) Award for best performing Blocks for non-burning of wheat stubble/paddy straw in open fields.

CHAPTER-4

Monitoring of Water Quality

National Water Monitoring Programme (NWMP) project:-

NWMP is a joint Centre/State project sponsored by the Central Pollution Control Board and Haryana State Pollution Control Board. Under this programme monitoring of Water Quality of major Water Bodies at 15 monitoring locations is carried. Out of 15 stations of which 7 locations have been set up for WJC, 5 on Ghaggar River and one each for Braham Sarovar and Gurgaon Canal. The monitoring locations are given as under:-

1. GH-1: Ghaggar River at Sirsa-Dabwali Road.
2. GH-2: Ghaggar River at Chandpur Syphon.
3. WC-1: WJC near Yamuna Nagar, 100 mtrs-D/S after receiving industrial and sewage effluents
4. WC-2: WJC near Uchana Lake, GT Road Karnal.
5. C-3: WJC, Delhi Branch. R.D. 245250.
6. C-4: WJC before entering Delhi Territory Delhi Branch.282628.
7. WC-6: Sirsa Branch at Road Bridge on Jind, Kaithal Road.
8. C-7: Delhi Parallel Branch at Khubru Fall, R.C.145250.
9. WC-4: Delhi Parallel Branch at Panipat distillery Discharge.
10. Braham Sarover, Kurukshetra, Near Temple.
11. Gurgaon Canal, GC-1 Starting Point near Badarpur border.
12. Monitoring Point at Kala Amb/DS markanda river.
13. D/S Surajpur in Ghaggar River.
14. WJC at Tajewala.
15. Ghaggar before Ottu weir (before mixing of satluj canal water)

Quarterly samples are collected from above mentioned monitoring locations & analysis reports are submitted to the Central Pollution Control Board regularly.

The B.O.D results are reproduced in the following table: -

MINAR REPORT

S. No.	Name of Station	April, 2010	July, 2010	Oct, 2010	Jan, 2011
1	GH-1: Ghaggar River at Sirsa Dabwali Road	12.0	16.0	-	-
2	GH-2: Ghaggar River at Chandpur Syphon.	14.0	12.0	-	-

3	WC-1: WJC near Yamuna Nagar, 100 mtrs-D/S after receiving industrial and sewage effluents	4.20	4.20	-	-
4	WC-2: WJC near Uchana Lake, GT Road Karnal	1.90	2.45	-	-
5	C-3: WJC, Delhi Branch, R.D.245250	1.55	1.45	-	-
6	C-4: WJC before entering Delhi Territory Delhi Branch. 282628	1.15	1.35	-	-
7	WC-6: Sirsa Branch at road bridge on Jind-Kaithal road.	-	2.60	-	-
8	C-7: Delhi Parallel Branch at Khubru Fall, R.C.145250	1.80	1.80	-	-
9	WC-4 Delhi Parallel Branch at Panipat distillery Discharge.	2.65	2.45	2.45	2.60
10	Braham Sarover, Kurukshetra	2.15	2.42	-	-
11	Gurgaon Canal, GC-1 Starting Point near Badarpur border.	38.0	16.0	28.0	31.0
12.	Monitoring point at Kala Amb/DS markanda river	535.0	4.45	140.0	185.0
13.	D/S Surajpur in Ghaggar River.	3.60	3.30	3.20	3.10
14.	WJC at Tajewala	0.92	0.98	-	-
15.	Ghaggar before ottu weir (before mixing of satluj canal water)	10.0	14.0	-	-

(1) In Addition to above the Board is monitoring Interstate Pollution problem at Parwanoo & Kala Amb. The Board has taken up the matter with CPCB for receiving polluted water in the territory of Haryana State from Himachal Pradesh.

CHAPTER- 5

Monitoring of Air Quality

(1) The HSPCB has installed 5 stations with the assistance of CPCB. The expenditure of these stations has been financed by CPCB. The data so collected is sent to CPCB for compilation at National Level and same is published by CPCB;

Station locations:

- (1) HSPCB office Building, Sector 16-A, Faridabad.
- (2) Shivalik Globals Ltd. Mathura Road, Faridabad.
- (3) Ballarpur Ind. Ltd., Guest House, Yamuna Nagar.
- (4) Guru Jambeshwar University, Hissar.
- (5) Boards office complex in Urban Estate, Hissar.

The results obtained are given as **Annexure-'A'**.

CHAPTER -6

Status of Consent Cases and pollution control measures

The details of the applications received under the Water Act, 1974 and Air Act, 1981 for the year 2010-2011 are as follows:-

Consent to establish:

	Applied	Granted	Refused	SCN
Water Act	4502	3722	173	431
Air Act	8047	6742	528	547

Consent to operate:

	Applied	Granted	Refused	SCN
	848	702	119	27

No. of Pollution Control Devices:

	ETP	APCM
Year 2010-11	2302	5779

CHAPTER- 7

List of Laboratories Recognized

The Board has recognized the following Laboratories under section 17 (2) of Water & Air Act for carrying out analysis of Water and Air Samples for facilitating the analysis work:-

Sr. No	Name of Lab
1.	The Central pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, Delhi-110032.
2.	The Pollution Control Analytical Laboratory, National Productivity Council, Utpadakta Bhawan, 5-6 Institutional Area, Lodhi Road, New Delhi-110003 (NPC).
3.	The Central Laboratory, National Fertilizers Ltd., Gohana Raod, Panipat-132106.
4.	The Quality Control Laboratory, Panipat Refinery Indian Oil Corporation Ltd., P.O. Panipat Refinery, Panipat- 132140.
5.	The Environmental Engineering & Pollution control Laboratory, Central Pulp & Paper Research Institute, Post Box No. 174, Paper Mills Road, Himmat Nagar, Saharanpur-247001 (U.P).
6.	The Environmental Engineering Laboratory, Northern India Textile, Research Association (NITRA), Sec-23, Rajnagar, Ghaziabad-201002.
7.	The Jawahar Lal Nehru University School of Environmental Sciences, New Delhi-110067.
8.	The National Physical Laboratory, Dr. K.S. Krishanan Marg, New Delhi.
9.	The Lab. Of Environmental/Civil Engg., Guru Jambheshwar University, Hisar.
10.	The Kurukshetra University, REC, Civil Engg. Department, Kurukshetra.
11.	The Punjab University, Centre for Environmental Studies, Chandigarh.
12.	The Post Graduated Institute for Medical Science, Bio Chemistry Department, Chandigarh.
13.	The PWD Public Health, Ambala, Haryana.
14.	The C.R. State College of Engineering, Murthal, Sonapat.
15.	Laboratory of HSPCB at C-11, Sector -6, Panchkula.
16.	Laboratory of HSPCB(Haryana Pollution Control Board), Bay no. 7-8, Urban Estate-II, Hisar.
17.	Laboratory of HSPCB, Sector-16-A, Opp. HEWA Apartments, Fbd.
18.	Laboratory of HSPCB, Vikas Sadan, Near Court, Gurgaon.
19.	Bharat Heavy Electricals Ltd., Ranipur, Haridwar-249403.

CHAPTER- 8

Water (Prevention and Control of Pollution) Cess Act, 1977

The Government of India has enacted the Water (Prevention and Control of Pollution) Cess Act, 1977 to provide for the levy and collection of a Cess on water consumed by industries and by local authorities with a view to augment the resources of the Central Pollution Control Board and the State Pollution Control Boards. The Cess Act came into force with effect from 1st April, 1978. The local authorities defined under section 2 and industries under section 3 of the Cess Act are liable to pay the Cess. During the year 2010-11 Cess amount of Rs.6,55,95,127/- has been collected.

CHAPTER – 9

Simplification of Procedure for Grant of Consent

In order to facilitate the problems of entrepreneurs, the Haryana State Pollution Control Board has simplified its procedure for grant of Consent to Establish (NOC)/Consent to Operate vide Notification No. HSPCB/2009/Policy/ 100 dated 1st January, 2009. The main spirit and the objective of newly introduced system was to facilitate the general inconvenience of the industrial units as well as ensuring that environmental standards & pollution abatement requirements are maintained. Project proposals have been divided into three classifications:

- (I) Case-I: Projects that require mandatory environmental clearance under the EIA Notification dated 14.09.2006.
- (II) Case-II: Projects that are highly polluting but are otherwise not covered under the EIA notification dated 14.09.2006.
- (III) Case-III: Projects that have high water consumption of 25 KL per day.

Projects proposals that fall in case-I above shall be granted “deemed consent to establish”/NOC within 10 days of submission of the environmental clearance by Ministry of Environment & Forests/State Level Environment Impact Assessment Authority & a performance bond of 0.25% of project cost signifying adherence to standards & conditions of grant of Environmental Clearance with an undertaking attesting to compliance with standards. The performance bond shall be retired at one fifth every year of successful compliance of standards.

The powers to grant consent to establish/NOC in regard of case II and III have been delegated to District Level Committees under the Chairmanship of the Deputy Commissioner for industry having investment from Rs.50. This will ensure that a substantial number of projects are cleared after examination at the district level.

In order to ensure compliance, a performance bond with an undertaking of 0.25% of project cost shall be submitted for case II projects and for case III projects the performance bond of 0.1% of project cost needs to be submitted along with a waste water management, treatment & recycling plan. No other documentation is required. This will largely reduce the paper work required by the project promoter.

All other projects that have a pollution potential, though low, have been kept out of the consent management process. In such cases, self regulation is expected from the project promoters. However, general directions are issued under Section 33-A of the Water Act & Section 31-A of the Air Act in order to take legal action in cases where the promoters do not comply with the standards required and failure to comply these directions would invite action leading to imprisonment for a minimum period of 1 & 1/2 years.

The consent to operate had been granted for a longer period i.e. for a period of 5 to 10 years except for categories of industries wherein consent shall be granted for two years.

CHAPTER - 10

Hazardous Waste Management

The Board has identified **1455** Nos. of units under Hazardous Waste Management Rules and granted authorization to **1135** units. The Hazardous Waste generating units formulated a society in compliance of the order of Hon'ble Supreme Court of India. 31 Acres of land at Village-Pali, District Faridabad was notified by Govt. of Haryana by Notification dated 27th May 1997 for the development of Hazardous Waste Treatment and Storage Facility. Environment impact study of above said land was carried out by National Productivity Counsel of India. A memorandum of understanding has been got signed between the HEMS and M/s Gujrat Environ Pvt. Ltd., Surat for the Development of Common Hazardous Waste Treatment, Storage and Disposal Facility (CHWTSDF). The HSPCB has granted authorization to this firm. The State Govt./HSPCB has given a financial assistance of Rs. 2 Crore for this project, which was received from Govt. of India under ASIDE scheme. The first cell of land fill site has been completed and the site has been partially commissioned. The site has started receiving Hazardous waste and the work of installation of other machinery for the disposal of hazardous waste is under progress.

Co-processing of Hazardous Waste:

Hazardous Waste Rules provide for a specific section dedicated to utilization of hazardous waste. The incinerable hazardous waste has vast potential to be used as a supplementary resource of energy during co-processing. The higher calorific value / constituents which are ingredients of cement evolve its scope of its utilization as a supplementary resource material in cement industry. The disposal of such waste in common and captive incinerators leads to the loss of vital resource besides having pollution potential and pose severe environmental risks, if not operated in an environmentally sound manner. Co-processing of hazardous waste in cement kiln can eradicate such risks and harness the encapsulated energy, hence a priority area.

The Central Pollution Control Board (CPCB) has developed guidelines for co-processing of Hazardous Waste generated from industries in cement kilns. Effluent Treatment Plant (ETP) sludges / paint sludges, phosphating sludges from Auto Mobile Units such as M/s Maruti Udyog Ltd, Gurgaon, M/s Hero Honda and other such units are resorting to co-processing of such wastes in cement kilns. This is the most favored option for disposal of certain categories of Hazardous waste.

CHAPTER - 11

Bio Medical Waste

There are **1814** hospitals/clinics covered under Bio Medical Waste Management Rules in the State which generate approx. 7209 kg/day of Bio-Medical Waste. The Board has granted authorization to **1813** health care facilities under Bio Medical Waste Rules, 1998. The Govt. Hospitals generate major chunk of Bio-Medical Waste. There is need to have dedicated Common Bio-Medical Waste Treatment & Disposal Facilities for Govt. Hospitals. The Board has issued authorization to 08 service providers which have already set up common facility for collection, transportation, treatment and disposal of Biomedical Waste and these service providers are operating at following places:-

Sr. No.	Name of Service Provider
1	M/s HAAT Supreme Wastech Pvt. Ltd., VPO- Bazida Jattan, Karnal.
2	M/s Vulcan Waste Management Pvt. Ltd., Gurgaon
3	M/s Synergy Waste Management (P) Ltd., Plot No. 168, Sector-27-28, HUDA, Industrial Area, Hisar.
4	M/s Divya Waste Management Co. VPO-Kandela, Distt. Jind
5.	M/s S.D. Bio Medical Waste Management Co., Rohtak.
6.	M/s Rudraksh Enviro Care, Vill. Bhadog, Distt. Ambala
7.	M/s Ess Kay Hygienic, Barwala, Panchkula8
8.	M/s Golden Eagle Waste Management Co., Faridabad.

CHAPTER - 12

Action Plan for Improving the AAQ of Faridabad Town:

The Hon'ble Supreme Court has ordered that the Action Plan may be prepared for Control of Pollution in cities which are highly polluting. The Faridabad Town has been identified as one of the 9 highly polluting cities where special facility has to be provided. Haryana State Pollution Control Board has prepared an Action Plan and Haryana Government has approved the same which has already been sent to Government of India for its implementation. The action Plan is being monitored at the State level by committee headed by the Chief Secretary to Haryana Govt. and District level Committee is headed by the Deputy Commissioner, Faridabad.

Continuous Ambient Air Quality Station

A continuous Ambient Air Quality Monitoring Station has been set up at Faridabad for continuous analysis and data capture for various parameters such as Suspended Particulate Matter, Sulphur dioxide, Nitrogen Oxides of, Hydro-carbons, Carbon Monoxide, Benzene, Toluene Xylene etc. The continuous data of results shall be displayed on highways for general awareness of masses and remedial measures for improvement of Ambient Air Quality of Faridabad town shall be taken. In addition to Faridabad, 3 continuous stations are proposed to be established at Gurgaon, Rohtak & Panchkula also.

CHAPTER - 13

Shifting of Dyeing Units from Non-conforming Area to Industrial Area

The Board is persuading the dyeing units of Panipat to shift to approved industrial area, Sec.-29, Part-II, HUDA, Panipat. Survey of residential/non conforming area was conducted in 2001-2002 and 494 units were identified operating their units in non conforming area. The Haryana Urban Development Authority has developed Sector-29 Part-II for the rehabilitation of these dyeing units and 1st module of Common Effluent Treatment Plant of capacity 21 MLD has been commissioned. This ETP is treating the effluent of industries located in Industrial area, Sector-29, Part-1, Panipat and treated effluent is discharged into Panipat Drain. 498 units have been allotted plots under project of shifting of dyeing units and out of which 289 units have taken possession from HUDA and about 116 units had started construction activity at site.

CHAPTER - 14

Clean Technology

Clean Technology is an emerging field. Many industries have adopted clean technologies in the State to minimize the generation of pollutants right at the source which is best option in the environment management. The end of pipe treatment is a costlier and cumbersome process. The category of which have adopted clean technology are electroplating, distillery, oil refining, used oil, basic drugs, textile dyeing etc. and list of such units operating in Haryana is given in **Annexure B**.

CHAPTER – 15

Zero discharge

All the eight distillery units of Haryana have installed Reverse Osmosis / Nano filtration/multiple effect evaporation system for achieving zero discharge and fully complied with the directions of three members High Powered Committee constituted by Hon'ble Supreme Court of India. The Ministry of Environment & Forests, Govt. of India has appreciated the efforts of HSPCB for ensuring zero discharge in distillery units which are highly polluting in nature.

CHAPTER – 16

Regulation of Plastic Carry Bags

The plastic waste is part of municipal solid waste. The plastic carry bags of smaller sizes and lesser thickness are littered unscientifically along the solid waste from house hold and commercial centers. Earlier the Ministry of Environment & Forests had issued Recycled Plastic, Manufacturing, Sale & Usage Rules. As per these Rules manufacturing, sale and usage of plastic carry bags of thickness less than 20 microns and size less 8 X 12 inches were prohibited. The State of Haryana considering the seriousness of the problem and harmful effects of plastic carry bags on environment has issued notification dated 9th January, 2009 prohibiting manufacturing, stocking, distribution or selling of carry bags made of virgin or recycled plastic of thickness of less than 30 microns and size less than 8" x 12". The state Govt. has further made stringent norms for regulation of plastic carry bags and issued notification dated 3rd February, 2010. The plastic carry bags of thickness less than 40 micron and size 18" X 12" have been prohibited. The Government has banned the use and sale of all types of plastic articles such as carry bag (irrespective of thickness and size), plates, cups, tumblers, spoons & forks and straw in the following areas having special historical, religious, ecological significance:

- (i) Municipal Limits of Thanesar Town and Kurukshetra Town.
- (ii) All Wildlife Sanctuaries and National Parks of Haryana.
- (iii) Gram Panchayat Morni.
- (iv) Precincts of Mansa Devi Temple, Panchkula and Sheetla Mata Temple, Gurgaon.

The Divisional Forest Officer has been made prescribed authority for enforcement of the provisions of notification in National Parks, Wild Life Sanctuaries etc. in the State of Haryana. The following officers have also been made prescribed authority for enforcement of the provisions of notification in their respective jurisdiction:-

District Magistrate,
Additional District Magistrate,
District Development and Panchayat Officer,
Sub-Divisional Magistrate,
City Magistrate,
Executive Engineer, Public Health Engineering Department,
District Food and Supplies Controller,
District Town Planner
Estate Officer, Haryana Urban Development Authority,
Block Development and Panchayat Officer,
Tehsildar and Naib Tehsildar
Scientist-B/Assistant Environmental Engineer, Haryana State Pollution Control Board,
Executive Officer/Secretary, Municipal Council/Committee.

The HSPCB has issued 837 challans during the year 2010-11 against the violators of the provisions of this notification.

CHAPTER – 17

Regulation in respect of non-burning of wheat stubble/paddy straw.

- (i) The Board has organized extensive awareness programmes in each block of the districts regarding ill effects of burning of wheat stubble/paddy straw and the ban on burning, among general public, farmers, sarpanches and panches.
- (ii) The Board associated District Administration, Agriculture Department, Horticulture Department, Health Department, and Panchayat Department etc. for spreading awareness on the subject. Chairman HSPCB has personally attended the awareness programmes as Chief Guest in more than 25 Blocks
- (ii) Posters have been got printed from the Printing & Stationery Department about the harmful effects of burning of Wheat stubble/ paddy straw alongwith remedial measures and have been displayed at prominent places in Villages/Panchayat Samities etc. for creating awareness among farmers.
- (iii) Radio Jingles have also been got prepared and relayed on AIR Chandigarh, Rohtak, Kurukshetra and Hisar (FM) from 15.2.2010 in local language for conveying message to the farmers more effectively.
- (iv) Since 1st July, 2010 an advertisement on harmful effects of burning of wheat stubble/paddy straw alongwith remedial measures is being telecast from Doordarshan Kendra, Hisar.
- (v) The Board has also engaged National Film Development Corporation, Delhi for the production of Short Documentary Film on ill-effects of burning of wheat stubble/paddy straw.
- (vi) Haryana State Pollution Control Board has been organizing awareness programmes through out the year with the help of Eco clubs and District Administrations.

CHAPTER – 18

Environmental Research

The Haryana State Pollution Control Board has established its own four laboratories at Panchkula, Faridabad, Gurgaon and Hisar. These Laboratories are well equipped for analysis of samples of Water and Air. These labs are actively involved in analysis work and generating basic data that could be of major use for the betterment of Environment and can be used by the environmentalists as well as for the advanced research volunteered by the researchers.

CHAPTER- 19

Environmental Training

The Board sends its officers for training courses organized by various Government and Non Government Organizations within India and abroad from time to time. The main object of these courses is to impart advance knowledge and training in pollution control measures which is useful for the Board in implementing programme and decisions more effectively. The list of training course/seminars/workshops organized/attended by the respective officers is at **Annexure-'C'**.

CHAPTER - 20

Environmental Awareness and Public Participation

The meetings with various industrial associations and seminars with close collaboration of Members of Chamber of Commerce and Industry. The industries/local bodies are apprised of their statutory obligations under the provisions of any pollution act. Board is also creating awareness among industrial circles regarding anti pollution acts through exhibitions, posters and advertisement in leading news papers.

CHAPTER – 21

Eco Clubs

Ministry of Environment and Forests, Government of India under National Green Corps (NGC) has setup Eco Clubs for creating awareness among school children and public for the Conservation and Protection of Environment. An environment calendar of events to be observed has been prepared and circulated to all the Regional Officers of the Board for conducting various activities on weekly basis through out the year in each district by coordinating with the District Education Officer in the State.

These Eco Clubs are functioning in the State of Haryana since 2001-02. There are total of about 5000 Eco Clubs in 21 districts in the State of Haryana. Each Eco Club is having 50 students with one eco club incharge teacher. There are 02 master trainers in each district.

Ministry of Environment & Forests, Government of India is providing grant-in-aid amounting to Rs. 2500/-per year per school for 5000 eco clubs in the State. Various activities relating to Environment are being carried out through these eco clubs. On main occasions like; World Environment Day, Wet Land Day, Earth Day, Ozone Day, etc., activities such as Rallies, Drawing / Essay Writing / Quiz competitions, tree plantation, awareness programmes regarding abatement of pollution, discouraging use of plastic carry bags, ill effects of burning of wheat straw/ paddy straw are being carried out.

CHAPTER – 22

Prosecution Launched and Convictions secured for Environmental Pollution Control

The position of the units which are under prosecution during the year 2010-2011 is as detailed below:-

i)	No. of Cases filed	22
ii)	No. of Cases decided	32
iii)	No. of cases withdrawn	3

CHAPTER – 23

Detail of actual receipts for the financial year 2010-11

Sr.No.	Head of Account	Actual Receipts(Rs. in Lacs).
1	2	3
1	Sample Testing Fee.	127.45
2	Water Consent Fee	525.93
3	Air Consent Fee	368.08
4	NOC Fees	114.15
5	Public Hearing	13.50
6	Authorisation Fee/Recognition fee/ Appeal fee/Right to information fee/ Misc. receipt/sale of Staff car.	68.79
7	Cess Receipts (from G.O.I.)	663.68
8	(a) Interest on deposits	675.24
	(b) Interest on Others Advance given	9.23
9	Grant in Aid from Central Pollution Control Board , Solid Waste, NAMP, NWMP, inventory on small scale Industries etc.	121.62
10	Grand -in-Aid from State Govt. (Director Env.) Action Plan for Hazardous Waste, Installation of Training Institute, Gurgaon and disposal of CFL etc.	22.50
	Total	2710.17

Detail of Actual Expenditure for the financial year 2010-11.

Sr.No.	Head of Account	Actual Receipts
1	2	3 (Rs. in Lacs).
A	SALARIES	
	1. Salaries & Allowances.	985.81
	2. Medical Allowance.	26.54
	3. Traveling Allowance	33.11
	Sub Total	1045.46
B	MAINTENANCE	
	1. Office Expenses and other Expenses	157.89
	2. Legal Expenses	12.99
	3. Professional fee	0.06
	Sub Total	170.94
C	NON-RECURRING	
	1. Furniture & Fixture	0.10
	2. Office Machines & Equipments and R&M	1.08
	3. Computerization of office	15.85
	4. Vehicles	20.41
	5. Library Books and Journals & Computer Based information	0.76
	6. Lab. Equipments/Material/Expenses, Computer & Modive Expenses and Computer peripheral Stationery Expenses	148.26
	Sub Total	186.46

D LOANS & ADVANCES

1.	Loans & Advances	21.15
2.	Construction/Purchase of Office Building and Residential Complex	0
3.	Research & Development Projects, Reports and studies	2.00
4.	Financial Assistance to Industries for installation E.T.P.'s	0
5.	Eco Clubs/Env. Awareness	12.45
	I. State Govt.	0.00
	II. Govt. of India	0.00
	III. HSPCB	12.45
	Sub Total	35.96
	Grand Total A+B+C+D	1438.82

CHAPTER – 24

Report regarding enquiries against the officers/officials of the Board.

No. vigilance enquiry is pending against Class I, Class III & Class IV employees of the Haryana State Pollution Control Board. Regarding Class-II, an enquiry No. 3/10 Panchkula against Sh. Viney Gill, Assistant Environmental Engineer of Haryana State Pollution Control Board is being conducted by State Vigilance Bureau, Haryana, Panchkula.

AMBIENT AIR QUALITY DATA FOR THE YEAR 2010-2011

1. Name of the Unit : Office Building
 2. Name of the Station: Faridabad Region

Month	SPM	RSPM	SO₂	NO_x
April, 10	361	166	17	22
May, 10	369	172	16	22
June ,10	380	178	16	23
July, 10	379	180	16	22
August, 10	351	130	13	23
September, 10	337	118	10	31
October, 10	343	128	18	30
November, 10	359	142	24	35
December, 10	369	154	25	44
January, 11	383	158	26	51
February, 11	386	163	28	55
March, 11	393	172	20	56

Note:-
 All the results are in $\mu\text{g}/\text{m}^3$

AMBIENT AIR QUALITY DATA FOR THE YEAR 2010-11

1. Name of the Unit : Escorts Research Centre
 2. Name of the Station: Faridabad

Month	SPM	RSPM	SO₂	NO_x
April, 10	390	183	19	24
May, 10	393	181	17	23
June ,10	405	197	17	24
July, 10	391	184	17	23
August, 10	391	152	15	24
September, 10	394	158	13	34
October, 10	405	159	19	40
November, 10	420	176	26	48
December, 10	448	194	27	64
January, 11	476	210	34	75
February, 11	482	216	35	81
March, 11	497	227	37	78

Note:-
 All the results are in $\mu\text{g}/\text{m}^3$

Annexure 'A'-3**AMBIENT AIR QUALITY DATA FOR THE YEAR 2010-11**

1. Name of the unit : Ballarpur Industry
2. Name of the Station : Yamuna Nagar Region

Month	SPM	RSPM	SO₂	NO_x
April, 10	507.6	419.8	13.6	23.8
May, 10	438.1	355.2	14.8	25.9
June, 10	Sample not collected due to rain			
July, 10	160.9	91.5	8.1	28.8
August, 10	Sample not collected due to rain			
September, 10	303.9	134.5	9.8	26.8
October, 10	340.8	204.7	12.0	26.5
November, 10	394.1	283.9	11.8	26.6
December, 10	318.4	216.8	12.4	27.7
January, 11	289.2	205.0	9.1	27.6
February, 11	303.7	210.1	9.7	25.9
March, 11	233.2	121.7	9.5	28.2

Note:-
All the results are in $\mu\text{g}/\text{m}^3$

AMBIENT AIR QUALITY DATA FOR THE YEAR 2010-11

1. Name of the Unit : GJU
 2. Name of the Station : Hisar Region

Month	SPM	RSPM	SO ₂	NO _x
April, 10	190.0	111.7	5.8	9.3
May, 10	170.0	84.0	8.3	9.0
June, 10	165.0	80.0	8.2	10.0
July, 10	120.0	65.0	7.0	8.0
August, 10	140.0	60.0	5.0	8.0
September, 10	154.0	68.0	5.0	9.0
October, 10	Instrument out of order			
November, 10	95.0	45.0	7.0	9.5
December, 10	110.0	40.0	6.0	10.0
January, 11	120.0	52.0	6.5	9.2
February, 11	132.0	48.0	6.2	9.8
March, 11	125.0	56.0	5.8	8.7

Note:-
 All the results are in $\mu\text{g}/\text{m}^3$

AMBIENT AIR QUALITY DATA FOR THE YEAR 2010-11

1. Name of the unit : Urban Estate-II
 2. Name of the Station : Hisar Region

Month	SPM	RSPM	SO ₂	NO _x
April, 10	Instrument out of order			
May, 10	164.2	123.2	7.4	4.1
June ,10	220.0	160.0	4.0	5.0
July, 10	160.0	70.0	8.0	9.0
August, 10	150.0	75.0	8.0	9.0
September,10	Instrument out of order			
October, 10	Instrument out of order			
November, 10	180.0	140.0	8.0	11.0
December, 10	Instrument out of order			
January, 11	Instrument out of order			
February, 11	Instrument out of order			
March, 11	Instrument out of order			

Note:-

All the results are in microgram/m³

List of Industries adopted Clean Technology.

S. No	Category	Name & Address of the unit	Reason for selecting under clean technology
1.	Electroplating	M/s Poly Plastics, I.A., Yamuna Nagar	The unit has installed Chrome Recovery plant.
2	Distillery	M/s Haryana Distilleries Ltd., Indl Area, Yamuna Nagar	Unit installed equipment to achieve zero discharge by providing Reverse Osmosis & Nano Filtration system.
3	Distillery	M/s Frost Falcon Distilleries Ltd., Vill. Jahri (Sonapat)	Unit installed equipment to achieve zero discharge by providing Reverse Osmosis & Nano Filtration system with Multiple Effect Evaporation System.
4	Oil Refining	M/s Om Petro Fines Narela Road, Kundli, Sonapat.	Unit provided latest technology of Vacuum Distillation for refining used oil without using Acidic Treatment Process.
5	Used oil refining	M/s Lubri Sales India, Plot No. 32, IDC Gurgaon.	Unit provided latest technology of Vacuum Distillation for refining used oil without using Acidic Treatment Process.
6	Distillery	M/s Haryana Organics, Chulkana Road, Samalkha, Panipat.	For utilization and treatment of their spent wash the unit has installed the primary treatment, Bio-methanization, RO/Nano Filtration system followed by Bio-composting process to achieve zero discharge. - The multiple evaporators are also under installation.
7	Distillery	M/s Panipat Co-operative Sugar Mills (Distillery Unit), Gohana Road, Panipat.	For utilization and treatment of their spent wash the unit has installed the primary treatment, Bio-methanization, RO/Nano Filtration system followed by Bio-composting process to achieve zero discharge.
8	Used oil rerefining	M/s Friends Petro Chemicals & Allied Industries, Village Rare Kalan, Assandh Road, Panipat.	Unit provided latest technology of Vacuum Distillation for refining used oil without using Acidic Treatment Process.

9	Drugs & Drug Intermediates	M/s Capsugel Health Care Ltd., Vill- Joniawas Dharuhera	This unit has adopted cleaner technology & achieved zero discharge by installing ETP alongwith RO/UF plant at the outlet. The treated water is being recycled back into the process.
10	Drugs & Drug Intermediates	M/s Penam Lab. Ltd., Vill—Joniawas,	This unit has adopted cleaner technology & achieved zero discharge by installing ETP alongwith RO/UF plant at the outlet. The treated water is being recycled back into the process.
11	Electroplating	M/s YKK India Pvt. Ltd., # 699, HSIIDC, Bawal	This unit has adopted cleaner technology & achieved zero discharge by installing ETP alongwith RO/UF plant at the outlet. The treated water is being recycled back into the process.
12	Electroplating	M/s Sankei Giken India Pvt. Ltd., Bawal	This unit has adopted cleaner technology & achieved zero discharge by installing ETP alongwith RO/UF plant at the outlet. The treated water is being recycled back into the process.
13	Textiles (dyeing, printing, processing)	M/s YKK India Pvt. Ltd., # 699, HSIIDC, Bawal	The units have installed ETP alongwith Reverse Osmosis Plants based on cleaner technology at the outlet to achieve zero discharge. The treated water is recycled/ reused back into the process and the reject of RO is incinerated.
14	Textiles (dyeing, printing, processing)	M/s Gutterman India Pvt. Ltd., Bawal	The units have installed ETP alongwith Reverse Osmosis Plants based on cleaner technology at the outlet to achieve zero discharge. The treated water is recycled/ reused back into the process and the reject of RO is incinerated.
15	Drug & drug intermediates	M/s Penam Lab. Ltd., Vill—Joniawas, Dharuhera	The treated water is being recycled back into the process. The hazardous waste is incinerated & the ash is properly stored & managed as per HWTM Rules, 2008.
16.	Distillery	M/s Ashoka Distillers & Chemicals Pvt. Ltd., Hathin, Distt. Palwal.	Unit has installed Multiple Effect Evaporator and drier system to achieve the zero discharge.
17.	Distillery	M/s Associated Distillers Ltd., Delhi Road, Hisar	Unit has installed RO/Nano system followed by bio composting for achieving zero discharge.

Annexure-C

TRAINING/WORKSHOPS ATTENDED DURING THE YEAR 2010-2011

S. No	Training Subject	Date	Training Institute	Name of the Officer/official
1	Capacity building of Assistant dealing with Pb. CSR Vol. 1 (Part 1 & 2) Pb. CSR Vol II Pb. CSR Vol III	5-9 July, 2010	HIPA, Panchkula	Sh. M.K. Chawla, Assistant (HQ).
2	M.S. Excel-generation of Tables & charts, etc.	15-16 July, 2010	HIPA, Panchkula	Smt. Rani Karakoti, Private Secretary
3	Pay fixation under new pay Rules & discussion on up-to-date clarification issued by F.D. on the subject	3-4 August, 2010	HIPA, Panchkula	Sh. Ramesh Kumar, Accountant, Accounts Branch.
4	Right to information Act, 2005	01 September, 2010	HIPA, Panchkula	Dr. S.K., Rohilla, Sc ' B'. (HQ)
5	Orientation training programme for Dy. Superintendents/ Superintendents	06-10 September, 2010	HIPA, Panchkula	Sh. Rajinder Dahiya, Assisstant (HQ).
6	MS Word, MS Excel, MS Power Point & Internet	13-17 September, 2010	HIPA, Panchkula	Sh. V.K. Rana, Assistant (HQ).
7	Record Management & Record Retention Schedule	21 September, 2010	HIPA, Panchkula	Sh. R.K. Ranga, Clerk (HQ)
8	Workshop on "Co-processing of wastes in cement kiln	27 September, 2010	SCOPE Complex, Delhi	Sh. S C Mann, Sc C-I (HQ)
9	Cleaner technology	11-13 October, 2010	IIT Roorkee	Sh. S.P. Rathi, Regional Officer, Panipat
10	Analytical procedures and Trace Metal	20-22 October, 2010	CPCB, Delhi	Ms Mita Sarin SSA, Gurgaon Lab Ms Neeraj Bala, JSA, Faridabad Lab
11	Orientation Training Programme for Assistants	25-29 October, 2010	HIPA, Panchkula	Smt. Sunita Rani, Assistant (HQ)
12	Duties & Functions of clerks	08-12 November, 2010	HIPA, Panchkula	Sh. V.S Rawat, Clerk Cess Branch.

13	Air Quality Modeling	23-25, November, 2010	TERI, Delhi	Sh. Jai Bhagwan, Sc B (Lab Incharge), Faridabad
14	Analysis of Pesticides & other Organic Chemicals in Environmental Samples	6-10 December, 2010	NEERI, Nagpur	Sh. Raj Kumar, SSA, Panchkula Lab
15	Computer training MS Word, MS Excel, MS Power Point & Internet	06-10 December, 2010	HIPA, Panchkula	Smt. Rashim, Assistant (HQ).
16	Action plan for critically polluted Areas.	14-18 December, 2010	The Center for Science and Environment, Delhi	Sh. Uma Shankar, Regional Officer, Faridabad.
17	Awareness cum workshop on POPs under development of National Implementation Plan (NIP) under Stockholm Convention.	23 December, 2010	Punjab State Council for Science & Technology Chandigarh	Smt. Poonam Langayan, AEE, Panchkula Region.
18	Financial Management in Govt. Deptts.	22-24 December, 2010	HIPA, Panchkula	Sh. Puranmal, Assistant (Accounts Deptt.)
19	Design, Operation and Maintenance of Common Effluent Treatment Plants	03-07 January, 2011	NPC, Chennai	Sh. Virender Punia, AEE, Panipat Region.
20	Source Emission Monitoring & Monitoring of Dioxin & Furans.	4-6 January, 2011	CPCB, Delhi	Sh. Shakti Singh, AEE, Hisar Region.
21	Compliance & Monitoring of Centralized waste water treatment plants and the role of decentralized waste water Management.	10-14 January, 2011	The Center for Sc. and Environment, Delhi	Sh. Rajesh Garhia, Sc.B, Dharuhera Region.
22	Environmental Compliance and Enforcement".	18-19, 2011	EPTRI, Hyderabad	Sh. Kuldeep Singh, AEE, Faridabad Region Sh. Vikas Chaudhry, Regional Officer, Ballabgarh
23	Awareness-cum-Training workshop on Bio-medical Waste Management.	20-21, 2011	Lucknow	Dr. S.K., Rohilla, Sc.'B'.
24	Training on Noise Pollution for Engineer & Scientist.	23-29 January, 2011	IISc, Bangalore	Sh. Vinay Gill, AEE, Sonapat Region.

25	Environment, Health and Safety Management In Process Industries.	24-29 January, 2011	IIT, Roorkee	Sh.Harish Chander, Sc 'B', Panchkula Region.
26	Environmental Health and Safety Management in Chemical Process Industries	25-29 January, 2011	IIT, Roorkee	Sh. S.P. Verma, AEE, Bahadurgarh Region.
27	Compliance , Monitoring and enforcement	14 February, 2011	The Center for Science and Environment, Delhi	Sh. Naresh Kumar, JEE, Panchkula Region.
28	One day workshop on "Record Management & record retention Schedule	16 February, 2011	HIPA, Panchkula	Sh. Jeet Ram, Assisstant (HQ).
29	Design, Operation and Maintenance of Sewage Treatment Plants	21-25 February, 2011	AMU, Aligarh	Sh. Vijay Chaudhary, AEE, Gurgaon Region.
30	Pollution Control and Waste Management in Sugar and Distillery Units	21-25 February, 2011	VSI, Pune	Sh. Ranbir Singh, Scientist 'B' Panipat Region.
31	Developing Effective Communication Skills through noting/drafting	21-25 February, 2011	HIPA, Panchkula	Sh. Ajaib Singh, Assistant (HQ).
32	Measurement of Uncertainty in Chemical and Biological Testing	23-25 February, 2011	ISI, Delhi	Sh. Sanjeev Kumar, AEE, Dharuhera Region.
33	Biotechnology Treatments of Biological Wastes and Wastewaters	28 February-4 March, 2011	IIT, Delhi	Smt. Samita Knodia, AEE, Bahadurgarh Region.
34	Pollution Control in Textile Dyeing Industries	15-17 March, 2011	NITRA, Ghaziabad	Sh. Rajinder Sharma, AEE, Yamuna Nagar Region.