



Annual Report

Year 2009-10

CHAPTER-I

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-II

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

Regional Offices/Laboratories

Sr.No.	Name of the Regional Offices	Address	Phone No.
1	Regional Office, Panchkula	SCO-180, II2nd Floor, Sec.5, Panchkula	Ph. 0172-2566286
2	Regional Office, Yamuna Nagar	SCO 131/17, HUDA Jagadhari	Ph.01732-200137
3	Panipat	SCO-55, Sec.25, HUDA	Ph.0180-2672037
4	Sonepat	Star Complex, Opp. G.Hosp Delhi Road, Sonepat	Ph.0130-2236119
5	Hisar	Bays B-7-8, Near Vishwas Sr. Sec. School, E-II Hisar	Ph.01662-250891

6	Bahadurgarh	Universal Complex NH-10, MIE-1, 1 st Floor,, Delhi Rohtak Road	Ph.01276-267077
7	Gurgaon	Vikas Sada, 1 st Floor, Nr. Court Gurgaon	Ph.2220523(O) 0124-2290825
8	Dharuhera	Lala Nemi Chand Singhal Enc. Sohna Road, Near Hanuman Mandir, Dharuhera	01274-244240-41
9	Faridabad	Sec.-16-A, Opp. Hewa Apartment Fbd	Ph.0129-2225315
10	Ballabgarh	Sec.16-A, Opp. Hewa Apartment Fbd.	Ph.0129-2286654
11	Panchkula Laboratory	Plot No. C-11, Sec.6, Panchkula	0172-2577870-73
11	Faridabad Laboratory	Sec.-16-A, Opp. Hewa Apartment Faridabad	Ph. 0129-2261568
12	Gurgaon Laboratory	Vikas Sada, 1 st Floor, Near Court Gurgaon	Ph.0124-2332596
13	Hisar Laboratory	Bays B-7-8, Near Vishwas Sr. Sec. School, E-II Hissar	Ph.01662-250891

CHAPTER-III

Meetings of the Board with Major decisions

During the year 2009-10, 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.	149 th	16.4.2009	Panchkula
2.	150 ^h	15.7.2009	Panchkula
3.	151 th	07.09.2009	Panchkula
4.	152 th	22.12.2009	Panchkula
5.	153 th	23.03.2010	Panchkula

The following major decisions taken during the year 2009-10:-

- (1) Action plan prepared for non – burning of wheat stubble and paddy straw in the open field.
- (2) Financial assistance of Rs.5.00 Lac for awareness activities regarding improvement of AAQ of Faridabad town.
- (3) Approval of the new policy for consent management.

CHAPTER-IV

Monitoring of water quality.

National Water Monitoring Programme (NWMP) project:-

NWMP is a joint Centre/State project carried on 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, 09	July, 09	Oct, 09	Jan, 10
1	GH-I: Ghaggar River at Sirsa Dabwali Road	08	09	18	08
2	GH-2: Ghaggar River at Chandpur Syphon.	12	08	20	12
3	WC-1: WJC near Yamuna Nagar, 100 mtrs-D/S after receiving industrial and sewage effluents	13.3	08	-	13.3
4	WC-2: WJC near Uchana Lake, GT Road	2.4	2.2	-	2.4

Karnal

5	C-3: WJC, Delhi Branch, R.D.245250	1.3	-	1.8	1.3
6	C-4: WJC before entering Delhi Territory Delhi Branch. 282628	1.05	-	1.35	1.05
7	WC-6: Sirsa Branch at road bridge on Jind-Kaithal road.	-	-	-	-
8	C-7: Delhi Parallel Branch at Khubru Fall, R.C.145250	1.82	-	2.1	1.82
9	WC-4 Delhi Parallel Branch at Panipat distillery Discharge.	2.4	2.95	2.35	2.4
10	Braham Sarover, Kurukshetra	2.3	2.3	2.2	2.3
11	Gurgaon Canal, GC-1 Starting Point near Badarpur border.	24	21	19	24
12.	Monitoring point at Kala Amb/DS markanda river	210	-	1025	210
13.	D/S Surajpur in Ghaggar River.	3.4	8.1	-	3.4
14.	WJC at Tajewala	0.96	0.98	0.94	0.96
15.	Ghaggar before ottu weir (before mixing of satluj canal water)	5.0	-	18.0	5.0

(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.

MONITORING OF AIR QUALITY

(1) The HSPCB has installed 5 stations with the assistance of CPCB. The expenditure of these stations is 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 Jambheshwar University, Hissar.
- (5) Boards office complex in Urban Estate, Hissar.

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

CHAPTER V

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 2009-2010 are as follows:-

Consent to operate:

	Applied	Granted	Refused	SCN
Water Act	4452	3590	848	4
Air Act	6809	5586	1133	99

Consent to establish:

	Applied	Granted	Refused	SCN
	858	657	129	72

No. of Pollution Control Devices:

	ETP	APCM
Year 2009-10	2166	5783

CHAPTER-VI

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-VII

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 2009-10 Cess amount of Rs.6,55,95,127/- has been collected.

CHAPTER VIII

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 is 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 or more.

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 upto Rs.50 Lac. 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 were earlier 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.

Hazardous Waste Management:

The Board has identified 1566 Nos. of units under Hazardous Waste Management Rules and granted authorization to 1461 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.

Bio Medical Waste

There are **1755** hospitals/clinics covered under Bio Medical Waste Management Rules in the State which generate approx. 1530 MT/year of Bio-Medical Waste. The Board has granted authorization to 1642 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 7 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, Panchkula

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 is being 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. The necessary equipment for the installation of monitoring station has been procured and the same is under construction near the Baddarpur.

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.

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**.

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.

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 with 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 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 2009-10 against the violators of the provisions of this notification.

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 of wheat stubble & paddy straw has been imposed 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 though out the year with the help of Eco clubs and District Administrations.

CHAPTER-IX

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-X

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-XI

Environmental Awareness and Public Participation

The meetings with various industrial associations and seminars conducted 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.

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-XII

Prosecution Launched and Convictions secured for Environmental Pollution Control

The position of the units which are under prosecution during the year 2009-2010 is as detailed below:-

i)	No. of Cases filed	163
ii)	No. of Cases decided	Nil
iii)	No. of cases withdrawn	01

CHAPTER-XIII

Detail of actual receipts for the financial year 2009-10

Sr.No.	Head of Account	Actual Receipts
1	2	3
		(Rs. in Lacs).
1	Sample Testing Fee.	107.80
2	Water Consent Fee	858.81
3	Air Consent Fee	737.00
4	NOC Fees	147.86
5	Public Hearing	10.10
6	Authorisation Fee/Recognition fee/ Appeal fee/Right to information fee/ Misc. receipt/sale of Staff car.	528.74
7	Cess Receipts (from G.O.I.)	774.65
8	Interest on deposits	1457.56
9	Grant in Aid from Central Pollution Control Board (NWMP)	3.79
10	Grand -in-Aid from Central Govt. (Eco Clubs)	0.2
11	Grand -in-Aid from State Govt. (NGCP)	
	Common BMW and treatment facilities	65.00
	Environment Impact Assessment	12.00
	Hazardous Solid waste	03.00
	Environmental training	01.00
	Eco Clubs	0.20
	Disposal of CFL	25.00
	Sub Total	4732.51

Detail of Actual Expenditure for the financial year 2009-10.

Sr.No. 1	Head of Account 2	Actual Receipts 3 (Rs. in Lacs).
A	SALARIES	
	1. Salaries & Allowances.	758.67
	2. Medical Allowance.	27.41
	3. Traveling Allowance	44.46
	Sub Total	870.54
B	MAINTENANCE	
	1. Office Expenses and other Expenses	188.26
	2. Legal Expenses	13.64
	Sub Total	201.90
C	NON-RECURRING	
	1. Furniture & Fixture	8.50
	2. Office Machines & Equipments	10.96
	3. Computerization of office	03.56
	4. Vehicles	00.00
	5. Library Books and Journals & Computer Based information	00.02
	6. Lab. Equipments/Material/Expenses, Computer & Modive Expenses and Computer peripheral Stationery Expenses	12.95
	7. Eco Club /Environment Awareness	57.27

		Sub Total	93.26
D	LOANS & ADVANCES		
	1. Loans & Advances		20.23
		Sub Total	20.23
	Grand Total A+B+C+D =		1185.93

CHAPTER-XV

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

No. vigilance enquiry is pending against Class II, Class III & Class IV employees of the Haryana State Pollution Control Board. However, an enquiry bearing No.04, dated 25.04.05 in case of appointment of 4 numbers Environmental Engineers of the Haryana State Pollution control Board is being conducted by State Vigilance Bureau.

AMBIENT AIR QUALITY DATA FOR THE YEAR 2009-2010

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

Month	SPM	RSPM	SO ₂	NO _x
April, 09	353	155	18	29
May, 09	362	167	17	30
June ,09	356	159	19	29
July, 09	358	160	18	28
August, 09	341	157	16	26
September, 09	338	153	12	19
October, 09	347	146	12	20
November, 09	342	142	12	20
December, 09	247	146	13	20
January, 10	349	150	14	21
February, 10	350	159	16	21
March, 10	356	161	17	21

1.

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

AMBIENT AIR QUALITY DATA FOR THE YEAR 2009-10

1. Name of the Unit : Escorts Research Centre

2. Name of the Station: Faridabad

Month	SPM	RSPM	SO₂	NO_x
April, 09	373	178	16	26
May, 09	386	182	18	29
June ,09	363	177	20	27
July, 09	364	176	22	27
August, 09	353	166	17	22
September, 09	344	145	14	20
October, 09	348	146	13	20
November, 09	372	152	13	21
December, 09	377	159	14	22
January, 10	376	163	15	23
February, 10	369	164	16	23
March, 10	377	169	19	23

Note:-

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

AMBIENT AIR QUALITY DATA FOR THE YEAR 2009-10

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

Month	SPM	RSPM	SO ₂	NO _x
April, 09	Instrument out of order			
May, 09	Instrument out of order			
June ,09	275	230	12	31
July, 09	214	177	15	27
August, 09	198	161	10	28
September, 09	Instrument out of order			
October, 09	Instrument out of order			
November, 09	419	329	15	22
December, 09	517	582	15	23
January, 10	337	319	15	27
February, 10	374	298	12	26
March, 10	411	304	15	24

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

AMBIENT AIR QUALITY DATA FOR THE YEAR 2009-10

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

Month	SPM	RSPM	SO ₂	NO _x
April, 09	Instrument out of order			
May, 09	Instrument out of order			
June ,09	152	70	08	09
July, 09	158	72	12	09
August, 09	193	93	06	09
September, 09	154	79	10	-
October, 09	Instrument out of order			
November, 09	Instrument out of order			
December, 09	Instrument out of order			
January, 10	Instrument out of order			
February, 10	Instrument out of order			
March, 10	230	99	02	04

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

AMBIENT AIR QUALITY DATA FOR THE YEAR 2009-10

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

Month	SPM	RSPM	SO ₂	NO _x
April, 09	Instrument out of order			
May, 09	Station closed due to noise complaint by UE-II residents			
June ,09	Station closed due to noise complaint by UE –II residents			
July, 09	Station closed due to noise complaint by UE –II residents			
August, 09	Station closed due to noise complaint by UE –II residents			
September, 09	Station closed due to noise complaint by UE –II residents			
October, 09	Station closed due to noise complaint by UE –II residents			
November, 09	Station closed due to noise complaint by UE –II residents			
December, 09	Station closed due to noise complaint by UE –II residents			
January, 10	161	94	07	05
February, 10	154	74	09	05
March, 10	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 (Sonepat)	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, Sonepat.	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	M/s Capsugel Health Care Ltd., Vill- Joniawas	This unit has adopted cleaner technology & achieved zero

	Intermediate s	Dharuhera	discharge by installing ETP alongwith RO/UF plant at the outlet. The treated water is being recycled back into the process.
10	Drugs & Drug Intermediate s	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	Electroplatin g	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	Electroplatin g	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 intermediate s	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.

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|----------------|---|---|
| 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. |

TRAINING/WORKSHOPS ATTENDED DURING THE YEAR 2009-2010

Sr. No.	Name of Course	Venue	Whom Attended by
1.	Environmental Monitoring and Latest Trends and Guidelines for Environmental Impact Assessment Studies.	IIT, Delhi.	Sh. Vinay Gill, AEE, H.O.
2.	Collection, storage, Handling and Disposal of Hazardous/Bio-Medical Wastes.	NPC, Chennai.	Sh. P.K. Sharma, AEE, Panchkula Region.
3.	Measurement of Uncertainty in Chemical and Biological Testing.	ISI, Delhi.	Mrs. Meeta Sarin, SSA, Gurgaon Lab
4.	Sampling, Analytical Techniques of Water Samples and Quality Control.	NGRI, Hyderabad.	Dr. P.K.M.K. Dass, Scientist - B, Faridabad Region.
5.	Air Quality Monitoring, Network Design, Air Sampling, Analysis and Quality Assurance.	PCRI, Haridwar.	Sh. Aparnesh, JSA, Hisar
6.	Chemical Analysis of Water and Wastewater.	IIT, Roorkee.	Smt. Neeraj Bala, JSA, Faridabad Lab
7.	Determination of Dissolve Oxygen, Biological Oxygen, Chemical Oxygen Demand, Total Organic Carbon, Relationship between BOD, COD, TOC.	IIT, Roorkee.	Sh. Narender Hooda, JSA, Faridabad Lab.
8.	Operation and maintenance of Sophisticated Instruments like GC-MS/GC, HPLC, CHNS, AOX Analyzer.	IIT, Roorkee.	Dr. Jai Bhagwan, Sc.-B.
9.	Monitoring of Source Emission.	NPC, Chennai.	Sh. Braham Prakash, AEE
10.	Laboratory Safety and Waste Management.	IIT Madras.	Sh. Raj Kumar, SSA

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|-----|---|---------------------|--------------------------|
| 11. | Advanced Technologies in Water and Wastewater Treatment. | IIT Roorkee. | Sh. B.S. Chahal, AEE |
| 12. | Cleaning, Preparation of Glassware, Sampling, Preservation, Transportation and Storage of Samples, Quality Management Tools, Quality Assurance, Laboratory Audit. | CENC,
Patna. | Sh. M.K. Pathak, SSA |
| 13. | Recent Trends in Environmental Monitoring and Control Strategies in Petroleum and Petrochemical Industry. | IIT Roorkee. | Sh. Ranbir Singh, Sc.-B |
| 14. | Laboratory Occupational Health & Safety. | CENC,
Patna | Sh. Harish Kumar, SSA. |
| 15. | Environmental Management System in Pharma & Chemical Sector. | ASCI,
Hyderabad. | Dr. S.K. Rohilla, Sc.-B. |