

2<sup>nd</sup> QUARTERLY  
ACTION TAKEN REPORT

(As on 30.04.2004)

On the

Directives of the Supreme Court of India  
In the matter of W.P. (C) No. 657 of 1995  
October 14, 2003.



MAHARASHTRA POLLUTION CONTROL BOARD  
Kalptaru Point, Sion Circle, Sion (East)  
Mumbai 400 022

**MAY, 2004**

**DEPARTMENT OF ENVIRONMENT  
GOVERNMENT OF MAHARASHTRA  
&  
MAHARASHTRA POLLUTION CONTROL BOARD**

**Subject:** 2<sup>nd</sup> QUARTERLY ACTION TAKEN REPORT as on 30.04.2004

**Reference:** Orders of the Hon'ble Supreme Court of India, dated 14.10.2003 regarding Management of hazardous wastes.

**1.0 Background**

The Hon'ble Supreme Court of India is considering a public interest litigation regarding management of hazardous wastes in India vide Civil Writ Petition no. 657 of 1995. The Court considered various recommendations contained in the report of the High Powered Committee, appointed under the chairmanship of Prof. M.G.K.Menon, and issued a detailed order dated 14.10.2003 directing all the concerned authorities to take follow up actions in a time bound manner on those directives. Further, the Court also appointed a Monitoring Committee, under the Chairmanship of Dr. G. Thyagarajan, Former Director, CSIR, to oversee the compliance of the directives issued. The Monitoring Committee is required to submit quarterly report to the Court regarding actions taken by the concerned authorities.

First quarterly Action Taken Report was submitted by Maharashtra Pollution Control Board (MPCB) on 31.01.2004. This is the second quarterly Action Taken Report due as on 30.4.2004 presenting actions taken during the period February to April 2004. These reports are available on website: <http://mpcb.mah.nic.in>.

**2.0 Chronology of the Actions Taken since 31<sup>st</sup> January 2004**

03.02.2004	Follow up meeting with the Sr. officers of the Board for review of the compliance of the Apex Court Directives.
07.02.2004	Organized seminar on Hazardous waste Management at Pune University, Pune for creating awareness.
16.02.2004	Meeting of the Regional Officers was held to review the inventorisation of the Hazardous Wastes. The inventory of Hazardous Waste is being scrutinized with reference H.W. (M&H) Amended Rules, 2003.
27.02.2004	Meeting with Maharashtra Chambers of Commerce and Industry to discuss various issues including hazardous waste management.

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27.02.2004	A meeting of Regional Officers was held to take a review. Directions were issued to the Regional Officers to submit the compliance on the directives of the Apex Court.
04.03.2004	A meeting was taken by Minister of State for Industries and Environment to discuss the setting up of SLFs at Butibori (Nagpur) and Ranjangaon (Pune). It was decided that MIDC should expedite issuing LOI to the selected bidders for collection and storage facility for hazardous waste followed by SLFs on priority basis. It was also decided that the hazardous wastes from Aurangabad Region shall be sent to TSDF facility proposed at Ranjangaon (Pune).
11.03.2004	A meeting was convened by Secretary Environment, Govt. of Maharashtra to review the progress of implementation of the directives of Hon'ble Supreme Court of India.
15.03.2004	National Workshop on e- waste organized by CPCB at New Delhi. Member Secretary presented a paper on Policy issues & Indian Scenario on the subject.
17.03.2004	Member Secretary, MPCB participated in the workshop organized by C.I.I. on Environmentally sound technologies for the used oil/ waste oil Re-refining/recycling industry at New Delhi and presented in the workshop the scenario on this industry in Maharashtra.
18.03.2004	Work shop was organized at Small Industries Service Institution, Mumbai in which the directives of the Apex court were informed to the participants and they were told to comply with the directives.
13.04.2004	A presentation was made on the Bio-Medical Waste Management in Maharashtra to the officers of Greater Mumbai Municipal Corporation and they were informed about the directives of Apex court regarding B.M.W. and the compliance desired by the Apex court.
23.04.2004	A training program was organized on the Hazardous Waste Management in Mumbai.
27.04.2004	An interactive session was organized in collaboration with ICMA. Various Chambers of Commerce and the Industries Associations participated in this program

	which inter-alia covered the compliance desired by the Apex court on the directives in WP 657/1995 on the Management of Hazardous Waste.
30.4.2004	Member Secretary, MPCB, who is also Member of the SCMC, attended the adjudication proceedings before Chief Commissioner, Customs Department at JNPT, Nhava, as directed by the Apex Court in their order dated 13.3.2004 in respect of 133 containers of waste oil / used oil lying at JNPT
12.5.2004	Meeting with Regional Officers of the Board to discuss issues pertaining to Hazardous waste inventorization and implementation of SC directives in respect of Hazardous waste generating units.
12.5.2004	Meeting with Chief Secretary, Government of Maharashtra regarding the illegal Hazardous waste dumps in the MIDC industrial areas and CETPs
14.5.2004	Review meeting with Director(Environment) Govt. of Maharashtra on various issues including the HW management
15.5.2004	Seminar at Lions Club Pune on Sustainable Development. Awareness creation on HWs in society
16.5.2004	Seminar on Sustainable Development at lion's Club ,Pune
19.5.2004	Interactive meeting organized by Toxicslink New Delhi at Mumbai
21.5.2004	Meeting with Tarapur Industries Association on HZW and directions issued by MPCB under Sec. 33A of water Act,1974
26.5.2004	SCMC meeting organized by WBPCB at Kolkata
28.5.2004	Meeting with Metal Finishers Association of India regarding CETP and HZW management
2.6.2004	TERI Meeting regarding Expert Group on e-waste at Delhi
4.6.2004	Visit of SCMC team to Maharashtra. Dr. CA visited JNPT with the officers of the MPCB to inspect the problems of the 133 containers containing used / waste oil lying there with reference to the directives of SC on the matter.
5.6.2004	Celebrations on World Environment Day. Dr. Claude Alvares delivered First Lentin Memorial Lecture and spoke about the W.P.(C) 657/ 1995 directives on the management of Hazardous wastes
7.6.2004	National seminar on Sustainable Development and Emerging Technologies for Environmental Protection. Delivered key note address on HZW management
7.6.2004	SCMC team visited TELCO and other industries in Pune

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	and Pimpri- Chinchwad area
8.6.2004	SCMC visited Mahad MIDC to inspect the CETP and industrial units for the HZW management
9.6.2004	SCMC visited Lote Parshuram MIDC to inspect the CETP and industrial units for the HZW management and Dr. CA addressed the Industries Association regarding HZW management
14.6.2004	Tata Memorial Hospital Seminar on BMW management practices policy issues and implementation delivered key
17.5.2004	Presentation to Pr. Secy Env't. on the activities of the Board including the compliance of the directives of SC in WPC 657/1995
21.6.2004	M.S. attended US-AEP program in New York from 21.6.2004 -25.6.2004

### 3.0 Closure of defaulting industries

It was decided that industries identified as per HW Rules 1989 shall be considered for issuance of closure directions. As per 1989 Rules, 3427 units were identified as HW generators in Maharashtra. As per the directives of Hon'ble Supreme Court of India, action was initiated against the industries who did not possess authorization and also those who were not complying with the conditions of the authorization granted to them by MPCB. The status of in terms of closure directions issued by MPCB and withdrawal of those directions in respect of industries who have complied with the orders of the Apex Court and MPCB is as under:

Category	Action by MPCB
No. of industries operating without Authorization: closure directions issued.	Based on the survey, all HW generating units are covered under action. Public Notice issued asking units if any left to apply for authorization by 31.05.2004
No. of industries closed for non compliance.	229
No. of industries now complying with the directions and hence the closure directions withdrawn.	594
No. of units who have become member of CHWTSDF.	Taloja: 1386 TTC : 726

Issuance of directions (including closure orders, levy of fines etc.) is continued so as to bring HW to common facility or ensure on-

site disposal (by recycling, incineration) or sale to registered recycler possessing EST and ESM facilities.

The CHWTSDFs, established in the Maharashtra, are available within a reasonable distance (about 100 km) for HW generating units only in 7 districts near Mumbai-Thane. This covers majority of Hazardous Waste generating units. Closure directions were issued to

- (a) All non-complying units in those districts and;
- (b) Units operating without authorization, in all industrial areas.

In case of the industries located in Nagpur, Aurangabad, Amravati, and Kolhapur districts, the distance from CHWTSDF is more than 100 km, it was decided to permit those industries to store the Hazardous wastes on-site till CHWTSDF is established by MIDC. MIDC has mentioned that Lol shall be issued soon to the operators for CHWTSDF who have been qualified to establish such facilities at Buti Bori ( for Nagpur/Amravati region), Ranjangaon (Pune/Kolhapur region) and Shendre (Aurangabad region) so that they can start receiving wastes immediately. In persuasion of the assurance given in the Legislative Assembly, a meeting was called by the Hon'ble Minister of State for Environment and Industry on 4<sup>th</sup> March, 2004 to discuss the issues relating to establishment of SLFs at Buti Bori and Ranjangaon. The decisions were taken in this meeting to establish the SLFs at the above locations urgently so that hazardous waste from can be disposed off safely and in compliance with the Apex Court orders.

### TSDF Sites

S. No.	Location	Capacity	Status
1	Taloja, New Mumbai	SLF: 120000 TPY Incinerator: 2.0TPH	Operational (2002)
2	TTC, New Mumbai	SLF: 10000 TPY	Operational (2003)
3	Buti Bori (Nagpur)	SLF:50000 TPY Incinerator: 2.0 TPH	Operator has been short-listed however; Lol is yet to be issued by MIDC. A meeting was therefore called by Hon'ble Minister of State for Industry and Environment to discuss the establishment of SLF at Buti Bori (Nagpur) and Ranjangaon (Pune). It was decided to expedite the issuance of Lol to the selected bidder for providing

S. No.	Location	Capacity	Status
			collection and storage facility for Hazardous Waste followed by secured land fill on a priority basis and provide the incinerator facility, subsequently. The work is in progress as reported by MIDC. MPCB has informed MIDC to start the work by 30/6/2004. The Letter of intent has been issued by MIDC on .....
4	Ranjangaon (Pune)	SLF: 50000 TPY Incinerator: 2.0 TPH	Operator has been short-listed however; Lol is yet to be issued by MIDC. A meeting was therefore called by Hon'ble Minister of State for Industry and Environment to discuss the establishment of SLF at Buti Bori (Nagpur) and Ranjangaon (Pune). It was decided to expedite the work of issuing Lol to the selected bidder for providing collection and storage facility for Hazardous Waste followed by secured land fill on a priority basis and provide the incinerator facility, subsequently. The work is in progress as reported by MIDC. MPCB has informed MIDC to start the work by 30/6/2004. The Letter of intent has been issued by MIDC on .....
5	Shendre (Aurangabad)	SLF: 50000 TPY Incinerator: 3.0 TPH	ICB is in progress. Operator of the proposed facility may be finalized soon as reported by MIDC. The work is in progress as reported by MIDC. MPCB has informed MIDC to complete the work by 30/6/2004. The efforts are

S. No.	Location	Capacity	Status
			on to issue LoA/ Lol
6	Mahad	Incinerator: 3.0 TPH	ICB is in progress. Operator of the proposed facility may be finalized soon as reported by MIDC. The work is in progress as reported by MIDC. MPCB has informed MIDC to start the work by 30/6/2004. The efforts are on to issue LoA/ Lol

In a meeting held under the Chairmanship of Chief Secretary, Government of Maharashtra, on 12.5.2004 a decision was taken to issue the Letter of Award to the successful Bidders to establish the TSDFs at Ranjangaon (Pune/Kolhapur region), Buti Bori(Nagpur), Shendre (Aurangabad region).

## 5.0 Removal of hazardous wastes from illegal dump sites

The Court has directed that hazardous wastes dumped illegally / unauthorized shall be lifted and sent to secured landfill (SLF). In this regard, MPCB has adopted a three pronged approach to address these issues.

### 5.1 The Hazardous Waste lying in the premises of Industries:

Directions were issued by MPCB to the industries to lift the H.W. and send it to CHWTSDF immediately. Following table shows Quantity of hazardous waste received at TTC & Taloja CHWTSDF.

#### (a) Hazardous Waste Received at Taloja CHWTSDF

Sr. No.	Month	Direct disposal in SLF (MT)	Treatment and disposal in SLF (MT)	Disposal by Incineration (MT)	Total (MT)
1	Upto Dec-03				21943
2	Jan. 04	6221	557	233	7011
3	Feb. 04	2353	559	213	3125
4	Mar. 04	1125	783	235	2143
5	Apr. 04	1800	1750	250	3800
	<b>Total</b>	<b>11499</b>	<b>3649</b>	<b>931</b>	<b>38022</b>

(b) Hazardous Waste Received at TTC CHWTSDF

Sr. No.	Month	Direct disposal in SLF (MT)	SLF with Treatment (MT)	Incineration (MT)	Total (MT)
1	Jan. 04	234	--	--	234
2	Feb. 04	150	--	--	150
3	Mar. 04	167	--	--	167
4	Apr. 04	133	--	--	133
	<b>Total</b>	<b>684</b>	<b>--</b>	<b>--</b>	<b>684</b>

The industries not complying with the directives of the Board are being levied fine as per Rule 16 (3) of the H.W. Rules. Following is the list of such units.

Sr. No.	Name of the Industry	Approx. quantity of hazardous waste stored (MT)	Proposed levy of fine @1500/- per ton (in Rupees)
1	M/s. Hindustan Lever Ltd.,	1500	22,50,000/-
2	M/s. Cummins India Ltd.,	500	7,50,000/-
3	M/s. Albright & Wilson Chem Ltd.,	2000	30,00,000/-
4	M/s. Century Rayon Ltd.	1000	15,00,000/-
5	M/s. National Rayon Corporation Ltd.,	2000	30,00,000/-
6	M/s., Owens Corning India Ltd.,	2000	30,00,000/-
7	M/s. Bajaj Electricals Ltd.,	300	4,50,000/-
8	M/s. Thermax Ltd., [Chemical Division]	500	7,50,000/-
9	M/s. Indian Petrochemicals Corporation Ltd., MGCC Division	1000	15,00,000/-
10	M/s. Viraj Alloys,	300	4,50,000/-
11	M/s. Everest India Ltd.,	200	3,00,000/-
12	M/s. Chemosol Industries (India) Pvt. Ltd.,	1000	15,00,000/-
13	M/s. Sadhana Nitrochem Ltd.,	3000	45,00,000/-
14	M/s. MICO Bosch Group,	2000	30,00,000/-

	Motor Industry Co.,		
15	M/s. Zenith Ltd., (Chemical Divison),	20,000	3,00,00,000/-
16	M/s. Shree Precoated Steels,	500	7,50,000/-
17	M/s. Colour Chem,	5,000	75,00,000/-
18	M/s. E B G India Pvt. Ltd.,	3,000	45,00,000/-
	<b>Total</b>	<b>45,800 MT</b>	<b>Rs. 6.87 Cr.</b>

Subsequent to proposed directions regarding levy of fines, industries have started lifting hazardous waste & sending to CHWTSDF. This is likely to be completed by 15.6.2004. MPCB is monitoring the progress.

## 5.2 Hazardous Waste lying in MIDC Industrial areas:

### (a) CETP sludge:

CETPs in the MIDC areas are one of the major sources of H.W. generation, in the form of ETP sludge. Thousands of tons of ETP sludge is lying in MIDC areas. As per the information obtained by MPCB the situation on the H.W. lying in MIDC areas is as follows.

Sr. No.	Name of Industrial Area	Qty. of H.W. (M.T.) Approx.
1	Mahad	10000
2	Roha	2500
3	Tarapur	9825
4	Lote	2000
4	Taloja	2000
5	Badlapur	600
6	Ambernath	10
7	Dombivali (I & II)	300
8	TTC, Thane Belapur	250
9	Patalganga	3000
	<b>Total</b>	<b>30485 MT</b>

### (b) Illegal dump sites:

Besides above there are certain plots in MIDC areas which were earmarked for the disposal of solid non-hazardous wastes. However, these plots have now become the illegal dump sites for

H.W. over a period of time. There are also certain closed units in MIDC area and premises of such units are being used for illegally dumping H.W. As per the information obtained by MPCB the position is as under:

Sr. No.	MIDC area	Illegal dump (Approx. Qty., MT)
1.	MIDC, TTC (A & EL Block)	200
2.	MIDC, TTC (C Block )	100
3.	MIDC, Dombivali	180
4.	MIDC, Dombivali Phase-II	30
5.	MIDC, Ambernath (Chikhholi & Morivali)	17
6.	MIDC, Ambernath	08
7.	MIDC, Badlapur	15
8.	MIDC, Tarapur	40,000
9.	MIDC, Patalganga	200
10.	MIDC, Roha	200
<b>Total:</b>		<b>40950</b>

Besides, 2.5 lacs MT of HW at dump site is in Tarapur MIDC industrial area and its rehabilitation is proposed by MIDC in consultation with NEERI.

The locations of these illegal dumps are also shown in the maps collectively placed at **Annexure- I**.

**(c) Action taken:**

In order to get these illegal dumps removed before monsoon from CETPs as well as the illegal dump sites, MPCB has issued directions to MIDC under Section 5 of E (P) Act, 1986 for Tarapur area. While MIDC has agreed to remove the H.W. (sludge) from CETPs, they have not agreed to remove H.W. from illegal dump sites in the MIDC areas. A copy of directions issued by MPCB is placed at **Annexure- II**. Reply received from MIDC is under consideration. Matter has been taken up with the State Government to sort out modalities for removal of the HW from illegal dumpsites possibly before the onset of the monsoon.

**5.3 H.W. lying outside MIDC area:**

As for the H.W. lying outside MIDC areas, MPCB had proposed to outsource this work to identify and quantify the illegal H.W. dump sites. The offers were invited from the reputed consultants for this work. However, considering the problems in locating the dumpsites accurately and then their quantification, characterization of HW etc., Board has now proposed to use the services of Indian Remote Sensing Agency or such other organization to identify the illegal dump sites outside MIDC area using technique of satellite imaging. This is in pursuance of the discussions in the 4<sup>th</sup> meeting of SCMC

held at New Delhi on 7-8<sup>th</sup> April, 2004. To begin with MPCB proposes to take up work in Thane and Raigad districts. This was also discussed at the SCMC meeting held on 26<sup>th</sup> May 2004 at Kolkata and MPCB has agreed to carry out signature mapping of the illegal hazardous waste dumps outside the MIDC areas and has selected Thane , Raigad and Ratnagiri districts since most of the chemical industries generating hazardous wastes are located in this industrial belt.

## 6.0 Clean technology for re-refining/recycling of used oil/waste oil

The Court has directed that re-refining/ recycling of used oil/waste oil shall be done only through application of clean technology. As per Rule 21 of the HW (M&H) Rules, 1989, and its amendments, it is mandatory for all industries engaged in recycling /re-refining of the waste/used oil to use only clean technology for re-refining and reuse/recycling activities within six months from the date of publication of amendment rules on May 21, 2003 failing which the registration of such units shall cease to be valid. Further, the SPCBs are required to submit compliance report on this issue within three months to Central Pollution Control Board.

MPCB had issued Public Notice in the leading news papers for the information of all concerned regarding provisions under the rules and the Apex Court directives in this regard. MPCB has suspended all the authorizations of defaulting units. Member Secretary has appointed an Expert Committee for verification of compliance in terms of adoption of clean technology in the process of re-refining and recycling. The committee consists of experts from University Department of Chemical Technology of Mumbai University, Central Pollution Control Board, Industry Association, M.P.C. Board Member and Regional Officer (HQ), MPCB. The Committee has started functioning.

Following is the position of industries providing environmentally sound technology (EST) for the recycling and re-refining of the waste oil/used oil.

Sr. No	Name of the Industry	Technology used	Capacity MT/Year
1	M/s Deepak & Co. Thane	Thin film evaporation process	1800
2	Sai Om Petro Specialities Ltd.	Vaccum distillation process with clay treatment	15000
3	Ameet Lubricants and Chemicals, Saswad, Pune	Thin film evaporation process	5010

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	(TFE process is not operational. Plant closed due to internal problems. Likely to start by July, 2004).		
4	Industrial Esters and Chemicals, (Six months period recommended to change over to EST)	Vaccum distillation process with clay treatment	8000
5	Shiva Petro synth, Palghar (Change over to EST in 2 months. Work in progress)	Vaccum distillation process with clay treatment	7200

**List of industries registered with MoEF/CPCB as  
Registered Reprocessor / Refiner of Non ferrous metals.**

<b>Sr. No</b>	<b>Name &amp; address of industry</b>	<b>Registration number</b>	<b>Validity Upto</b>	<b>Authorised for</b>	<b>Quantity (MT/Y)</b>
1	N.V.Metals and Alloys , Umroli, Tal Palghar, Dist Thane	B- 29016 (196)/ 1 (Reg)/03/PCI-1/2661 dt. 10.2.04	10/10/2005	Authorized by CPCB for reprocessing	600
2	Astron Engineers India Ltd,Lavale Tal Mulshi Dist Pune	B- 29016 (79)/1.(Reg) /04/HWMD – 6027 dt. 1.1.2004	31/07/2005	Authorized by CPCB for reprocessing	1200
3	Pra-Sun Ferro Alloys & Metal Casting Pvt.Ltd. Talasri, Dist. Thane	B-29016 (196)/1 (Reg) /04/ HWMD/ 5730 dt. 25.03.2004	14.10.2005	Authorized by CPCB for reprocessing	7800
4	M/s Saurabh Metal Refinery, Sapronda, Tal. Wada, Dist. Thane	23-1 (486) 2001- HSMD dt. 11.3.2003	11.03.2005	Authorized by CPCB for reprocessing	1440
5	Pooja Pigments, Kalamna, Dist.Nagpur	B- 29016 (970)/1 (Reg)/ 03/ PCI-1/ 3247 dt. 19.02.2004	20.12.2004	Authorized by CPCB for reprocessing	2100

Both the ports viz. JNPT/MbPT have been directed to auction/sale the waste oil/used oil and other wastes listed in Schedule 4 only to the actual users / recyclers registered with CPCB.

## 7.0 Inventorization

Steps have been initiated by MPCB. Work involved is huge due to enormity in terms of no. of units and area to be covered. Data / information available in the application of the industries for consent/authorization as well as authorization issued by the Board has been examined. Accordingly the quantity of hazardous waste generated by the industry has been calculated/estimated keeping in view the manufacturing process, quantity of raw materials used, quantity of the finished products produced and other aspects of mass balancing. This approach was found to be the most practical so as to get fairly accurate information on the H.W. generation based on authorization issued and information available on record. To begin with, this approach was adopted to carry out inventorization of H.W. generation for the industries located in MIDC Talaja (Navi Mumbai). The results obtained were quite satisfactory.

**Table**

**Hazardous Waste generation at MIDC industrial area at Talaja (New Mumbai), March 2004.**

*(Based on information available on record in the Board)*

<b>Sr. No.</b>	<b>Disposal Method</b>	<b>Waste Quantity MT/Year</b>
1.	Secure Landfill	21960
2.	Incineration	7236
3.	Sale / Recycling	2772
	<b>Total</b>	<b>31968</b>

Encouraged by the success of the approach adopted at Talaja, inventorization of H.W. generation from the industries located in the other industrial areas has been taken up. This is a time consuming exercise and is likely to be completed in next six months.

The inventorization of hazardous wastes in Thane region has been completed. The work on the other regions viz. Nagpur, Pune Aurangabad, Nashik, Kolhapur, Amravati, Kalyan, Navi Mumbai regions is in progress. Since this work involves scrutiny of each file on which authorization has been given to the industry for the hazardous wastes, it is a time consuming exercise. However, the results obtained

are encouraging and therefore the work has been continued for the other regions in the state. Details on Thane region are presented in the table given below:

## **.8.0 Implementation of HWs Transportation guidelines**

According to the Hon'ble court's order, transportation of hazardous wastes is to be done strictly as per Rule 7 of the Hazardous Waste (M.&H.) Rules 2003 and the guidelines issued by Central Pollution Control Board in that regard. In compliance with the orders of the Apex Court, MPCB issued directions to all hazardous waste generators, auctioneers, buyers, sellers, transporters and all other concerned involved in the transportation of hazardous wastes that they must comply with the CPCB guidelines, failing which MPCB shall initiate legal action under the Environment (Protection) Act, 1986. Further, pending verification of the compliance of the guidelines, MPCB revoked authorizations issued to transporters of hazardous wastes. A Public Notice was issued to this effect by MPCB in leading news papers which appeared twice with a gap of one week in December, 2003. Copy of the advertisement is placed at **Annexure III**.

In response to the above public notice, the H.W. Transporters have started approaching MPCB for the grant of authorization under the revised HWs transportation guidelines. The applications have been processed and the conditional authorizations are being granted to the transporters as per new guidelines issued by CPCB. Board is monitoring the compliance.

## **9.0 Show cause notices to Auctioneers**

As per Hazardous Waste Rules, waste oil/used oil and other waste listed in schedule IV are required to sale or auction only to those recyclers registered with CPCB possessing EST and ESM in order to regulate the auction of such materials in the State, show cause notices were issued to 14 no. of auctioneers / bulk consumers selling the wastes.

## **10.0 Strengthening of MPCB**

MPCB has taken various actions for institutional strengthening. Details are as under:

<b>Sr. No.</b>	<b>Item</b>	<b>Status</b>
1	Procurement of instruments for strengthening infrastructure of	Work order issued. Procurement in

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	laboratories (a)Air Pollution= 1.24 Cr. (approx.) (b)Water Pollution=2.28 Cr. (approx.)	progress. Short term Consultant appointed for this purpose. (status)
2	Work study by CRISIL for need assessment of institutional strengthening. Total Value: Rs. 30.2 lacs To be completed in 2 months.	Work order issued. Work is in progress.(status)
3	e governance / Computerization (a) SRS Study and (b) Preparation of RFP Total Value: Rs. 8.0 Lacs To be completed in 2 months.	Work order issued. Work is in progress.(status)
4	H.W.Inventorization To be completed by Nov. 2004	Work order issued. Work is in progress. (status)
5	Purchase of premises at Kalyan, Nanded and Mumbai to augment space requirement.	Completed.
6.	Procurement of vehicles for surveillance, inventory etc.	Proposal submitted to the State Government for approval. (status)

MoEF has communicated a sanction of Rs. 45 lakhs for appointing the staff like Junior Research Fellows (3) Data Entry Operator (1) and Field Assistants (3) for the work on the Hazardous waste management in Maharashtra. An amount of Rs. 11.00 lakhs has been received as the first installment towards this manpower capacity building project approved by the ministry as per the Apex Court directives. The project also includes purchase of equipment like Computer, printer and photocopying machine. Steps have been initiated to utilize the grant in aid sanctioned by MoEF.

## 11.0 Awareness programme

Programme for mass awareness, public participation and information dissemination are taken up. Print & electronic media and NGOs are also involved. The details are as under:

Sr. No.	Date	Remarks
1.	14.2.2004	Meeting with Vidarbha Industries Association at Nagpur.
2.	05.3.2004	Meeting with Chamber of Commerce and

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		various Industries Associations at Nashik.
3.	06.3.2004	A coordination meeting of NGOs organized at Pune in collaboration with CPCB.
4.	21.3.2004	Meeting at Nagpur to celebrate Water and Forest Day in which School Children participated in various program and competition.
5.	07.4.2004	Meeting at Kolhapur to create awareness in the local industries on H.W. Management.
6.	10.4.2004	Meetings with industries at MIDC Industrial areas at Mahad and Roha.
7.	21.4.2004	Meeting with industries at MIDC, Dombivali.

Member Secretary MPCB participated in the live TV programme organized by Alpha TV (Marathi) channel on 5.4.2004 and replied to various queries from the public on the issues of environmental importance including the H.W. management

Periodically, notices are being issued in the print media to inform the actions that are necessary for compliance of directives of the Apex court. (Copies enclosed). A post of Public Relation Officer has been filled on contract basis for co-ordination of activities.

## 12.0 Rehabilitation of dump sites

Work on identification of illegal dumpsites outside MIDC industrial areas is in progress. Rehabilitation plan for the dump sites shall be prepared based on the data being collected about the illegal dump sites and it will be sent to CPCB as directed by the Court. This work would be taken up by engaging services of Indian Remote Sensing Agency, Hyderabad. The details in this regard are being worked out as discussed in the 4<sup>th</sup> SCMC meeting held on 7-8<sup>th</sup> April, 2004.

MIDC has also requested NEERI, Nagpur to prepare feasibility report on rehabilitation of illegal hazardous waste dump site at MIDC Tarapur industrial area. Approximate quantity of hazardous waste involved is about 2.5 lacs MT. This consists of mostly ETP sludge; ash etc. accumulated over a period of about 10 years or so.

## 13.0 Display of information regarding authorization

Directions are issued to industries for display of information regarding authorization granted. Public Notice to this effect has been issued through leading news papers in the State directing all

concerned to ensure compliance of the court orders. Copy enclosed at **Annexure –IV.**

The directions of SCMC given during their visit to Maharashtra in June 2004 and their compliance to be added here

#### **14.0 Ship-breaking**

The ship breaking activity in Maharashtra is limited at Lakri Bunder and Powder Works Bunder at Darukhana in Mumbai Port Trust Area. MbPT has earmarked 19 plots for ship breaking activity in Mumbai and this area shall not be increased in future. There is no regular allotment of plots to the ship breakers as is being done in Alang, Gujarat where the area is under the control of Gujarat Maritime Board. The plots are given to the ship breakers on arrival of the ship for breaking. Generally smaller ships arrive at Mumbai for breaking. The ship breakers in Mumbai have obtained authorization from MPCB.

Mumbai Port Trust has been directed to adhere to the directives of the Apex Court while permitting the ship breaking activity. In all 19 authorizations have been granted by MPCB. However, there was no ship breaking at the time of reporting. A note received from Mumbai Port Trust is annexed at Annexure **Annexure –V.**

Maharashtra Maritime Board was informed of the directives of the Hon'ble Court. It has been reported by Maharashtra Maritime Board that there are no ship breaking activities being carried out on the coast of Maharashtra except in Mumbai Port Trust area which is under the control of MbPT. Maharashtra Maritime Board has not permitted any company to carry out ship breaking within the limits of minor ports. Letter received from MMB is annexed at **Annexure –VI.**

Status to be reported

#### **15.0 Burning of hazardous and non-hazardous wastes on beaches**

The directives of the Supreme Court have been communicated to the District Collectors in the coastal districts of Maharashtra and they have been directed to take the effective steps to stop burning of hazardous or non-hazardous wastes on the beaches and/or near the creeks. A public notice has been issued in the Newspapers published from the coastal districts for the knowledge of the local people that burning of hazardous and non-hazardous wastes in the coastal areas has been prohibited by the Supreme Court. The Field Officers of MPCB located in the coastal districts are also being informed to maintain vigil and report the violation for taking further legal action. The public notice is annexed as **Annexure VII.**

## Status to be reported

### 16.0 Bio-Medical Waste

MPCB took a serious note of the illegal dumping of the BMW dumping by Municipal Corporation of Greater Mumbai. MPCB issued directions to Municipal Corporation of Greater Mumbai (MCGM) regarding proper management of BMW and immediate stoppage of the illegal dumping of such waste in the municipal waste dumping grounds. Considering the seriousness of the incidence, it was decided to discuss threadbare the whole gamut of issues involved in BMW management. Accordingly a meeting was held under the chairmanship of Secretary (Environment) and a two member committee of Regional Officers of the Board was constituted as decided in the meeting. The committee was given a mandate to visit the various BMW treatment facilities in Maharashtra, review their functioning and make recommendation to improve the overall efficiency of those facilities. The committee inter-alia also visited some of the BMW sites/facilities located in Hyderabad and Bangalore to study how the BMW is being managed there.

A proposal has been prepared to implement a comprehensive scheme to manage the BMW in Mumbai and has been presented to the Authorities so that a suitable model can be adopted for implementation. It is also proposed to hold a meeting under the Chairmanship of Chief Secretary to take decisions on the establishment of common facilities for management of BMW. Besides a notice has been issued in the Newspapers directing the hospitals and other generators of BMW to obtain the authorization from MPCB failing which they shall be liable for legal action. **Annexure- VIII.**

Steps taken to set up a committee under the Chairmanship of MC, MCGM to establish BMW treatment and disposal facilities in Mumbai

### 17.0 Plastic Waste management

MPCB has issued a notification for banning the manufacture of the plastic bags which are less than 20 microns. The Regional Officers of the Board has been directed to keep a strict vigilance over the plastic bags manufacturing units located through out the State and take legal action as provided under Rules for the Recycled plastics manufacture and usage, 1999(amended 2003). Three such plastic bag manufacturing units have been prosecuted for the default.

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# ANNEXURES