ISO 9001, 14001 & 45001
CERTIFIED COMPANY

E-442, 443, 444, RIICO Industrial Area
Chopanki (Bhiwadi) 301707 (Raj.)
Tel. : 01493 - 298189 - 91

insecticides
(INDIA) LIMITED

Corporate Responsibility for Environmental Protection (CREP)

M/s Insecticides (India) Limited, E-442, 443, 444-RIICO Industrial Area,
Chopanki, Bhiwadi (Raj.) 301707

S. No.	CREP Condition	Compliance Status
1.	**Segregation waste streams** Waste streams should be segregated into COD waste, toxic waste, low OCD waste, inorganic waste etc, for the purpose of providing appropriate treatment- Implementation June 2003 and action plan to be submitted to SPCB immediately.	Waste streams have been segregated into high COD waste, toxic waste and low COD waste. Photograph for collection tank of high COD is attached.
2.	**Detoxification and treatment of high COD waste streams** Streams should be detoxified and treated in CTP or thermally destroyed in incinerator, as per CPCB guidelines. The waste streams should be treated suitably before taking to evaporation ponds. Implementation by June 2004 and action plan to be submitted to SPCB by June 2003.	High COD wastes are being incinerated and toxic effluents are separately treated before entry ETP. Process and flow diagram for detoxification is attached.
3.	**Improvement in solvent recovery** a) Solvent recovery should be improved and attempts be made to achieve atleast 90% recovery wherever possible- Implementation by Dec. 2003 and action plan to be submitted to SPCB by June 2003. b) Rest of the solvents which can not be recovered shall be incinerated.	We are having improved solvent recovery system and getting 94-96% solvent recovery. The flow diagram and photograph for solvent recovery system is attached.
4.	**Hazardous air pollutant control** (a) For air pollution control from processes, scrubber efficiency will be improved and maintained as per the best practicable technology for control of HCI, CI. Methyl Chloride, Phosphorus Pentoxide, Ammonia, H2S and volatile organic carbons (VOCs)- Implementation by December 2003 and action plan to be submitted to SPCB by June 2003. (b) An incinerator will be installed, where necessary – Implementation by December 2004 and action plan to be submitted to SPCB by June 2003.	Industry is having efficient scrubber system and incinerator. The details of specifications, schematic diagram and photographs of incinerator are attached.
5.	**Control of fugitive emissions/ VOCs** For control of fugitive emissions (particularly) for hazardous air pollutions). The industries will adopt standard engineering practices. System of leak detection and repair (LDAR)	We are having preventive maintenance program to control fugitive emissions. All reactions are taken in close reactor and all hazardous chemicals are

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	programme especially for solvents, should be developed industries- Implementation by March- 2004 and action plan to be submitted to SPCB by June 2003.	transferred pneumatically to avoid fugitive emission. To control VOC, all the reactors are having vents which are centrally connected to the scrubber system. Photograph of scrubber system is attached.
6.	**Up- gradation of incinerators** Incinerators will be upgraded to meet CPCB norms hazardous waste incinerators. This is necessary for Halogenated compound and POPs – Implementation target will be decided on the basis of action plan submitted by individual industries by June 2003.	We have modified our incinerator to adjust the retention time of primary and secondary chambers and maintain the temperature criteria for proper distraction of toxic waste and effluent. Now we are maintain temperature range 850±25^{0}C for primary chamber and 1150 to 1200^{0}C for secondary chamber. The report is attached.
7.	**Replacement of Bio Assay test by toxicity Factor** The present bio-assay test will be replaced by Toxicity Factor test method developed by CPCB. Toxicity factor of four (TF-4) will be achieved by December 2003 and industries will improve their system to achieve TF-2 by, July 2006. TF test method will be implemented by SPCBs/CPCB/ MoEF- Submission of action plan by June 2003. The Central Pollution Board will organize work – shops on "Toxicity Factor" for industry.	We shall implement the toxic factor test as soon as the CPCB will developed the method. At present we are using fish as bio indicator in the final effluent treatment pond.
8.	**Minimum scale of production to afford cost of pollution load** To be decided, as industries view point is that this can not be done as few products are costly and made in small volume. The matter will be studied in detail by MoEF/ CPCB.	Industry is manufacturing high cost products with less volume of wastes
9.	**Non- complying Units (as identified by SPCB) should meet the notified standards by December 2003- Bank guarantee to be submitted to SPCB by Non- complying units by June 2003.** The submissions from pesticides industry regarding speedy clearance and other will be considered by MoEF/ CPCB for examination.	The industry is complying the notified standards as suggested by CPCB and SPCB.

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