

Pollution Control in a Man-Made Fibre Industry with Special Reference to Zinc at Harihar Poly Fibre Karnataka - A Case Study

Foreword

The Central and State Pollution Control Boards are constituted under the Water (Prevention & Control of Pollution) Act, 1974. The Boards under the Act are empowered to lay down and enforce stream and effluent standards to meet the objective of maintaining and restoring the wholesomeness of water. The present emphasis is on source control of industrial wastewater discharges. The Boards have adopted Minimal National Standards (MINAS) for each type of industries. The Central Pollution Control Board in collaboration with State Boards has initiated a nation-wide action oriented programme in respect of Chlor-Alkali, Man-made Fibre, Oil Refinery, Sugar and Distillery Industries to implement MINAS. Under the programme a detailed investigation of M/s Harihar Polyfibre, Karnataka was undertaken. The investigation was conducted and the report prepared by Dr. Inamul Haq, Scientist, Central Board under the constant guidance of Dr. K.R. Ranganathan, Member Secretary. This report highlights the performance and achievability of the existing zinc treatment system in the industry.



The sources of various discharges and quantum of zinc emanating from different process units are identified and steps to minimize loss of zinc suggested.

The investigation was conducted in collaboration with Karnataka State Pollution Control Board. The contribution of Shri M.N. Jayprakash, Shri B.G. Mohan-krishnan and Shri P. Narahare of the State Board during the field investigation is gratefully acknowledged. The laboratory facility extended by M/s' Harihar Polyfibre is greatly appreciated. Miss Gita Gandhi, Shri A.K. Muradha and Shri Premankur Barua shared the typing load competently. The drawings were prepared by Mrs. B. Basu and Shri R.S. Shahi.

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