



Dr R.K.Singh
Regional Director (Retd)
Central Pollution Control Board (CPCB)
(M/o Environment, Forests and Climate Change, Govt. of India)

Abridged Detail

Graduated in 1981 from Centre of Advanced Studies in Geology, University of Lucknow. Completed his post graduation in Geology in 1983 and was subsequently awarded doctorate (Ph.D.) by the University of Lucknow. Recipient of CSIR Fellowship for Structural Geological studies in Assam Himalayas (India) and Indo-Dutch Fellowship for Environmental Management of Human Settlements in India and Holland (The Netherlands).

Since 1987, he has worked in various capacities in Central Pollution Control Board (CPCB) an apex statutory organization of Govt. of India. During the year 1999, Dr Singh, was awarded Special PGD Certification in Environmental Management of Human Settlements by the prestigious Institute of Housing and Urban Development Studies (IHS), Holland (The Netherlands).

In CPCB he has executed diverse assignments which include projects on Groundwater Monitoring, Modeling and Remediation, Industrial Pollution Control, Geo-technical Aspects of Hazardous Waste Disposal, and Quality Assurance Practices in Environmental Testing Laboratories. Dr. Singh is a trained Internal Auditor for CPCB Laboratories as per ISO /IEC 17025. He has generated several National Reference Publications on various environmental issues and 18 research papers published in National and International Journals and Seminar proceedings. He is credited for successful execution of the first field-scale project on In-Situ Bioremediation of Chromium Polluted Groundwater in India.

In recognition of the Project findings, Dr. Singh was invited by the Advisory Board of University of Massachusetts, Boston, USA and also by the Asian Development Bank (ADB), Philippines, Manila.

01. Tenure in CPCB

Dr Singh to his credit has 35 years' working experience with Central Pollution Control Board (CPCB) a statutory organization under the M/o Environment, Forest and Climate Change (GOI). Having worked in CPCB at different capacities, following key contributions were made in overall national interest :

- Coordination for establishment of CPCB Lucknow Office
- Performance evaluation of Common Facilities (CETP), Sewage Treatment Plants (STP), Hazardous Waste Treatment Storage and Disposal Facilities (TSDF), Bio-medical Waste Processing Facilities
- Fluoride balance in integrated Aluminum Industry
- Enforcement of pollution control measures in Critically Polluted Areas in Indian States
- Water quality monitoring in rivers
- Productivity profile of Indian Lakes

- Performance Audit of State Pollution Control Boards
- Internal Audit of CPCB Laboratories (ISO/IEC : 17025)
- Laboratory Development
- Earned E(P)A 1986 Recognition, NABL Accreditation and OH&SMS Certification for CPCB Lucknow Laboratory
- Thematic documentation on Common Effluent Treatment Plant
- Thematic documentation on Groundwater
- Field-Scale Pilot Study on Groundwater Remediation
- Member of the designated Committee for Remediation of hazardous waste Contaminated Sites in Indian States
- Environmental surveillance and pollution control enforcement in Tanneries, Sugar, Distillery, Coal Mines, Thermal Power Plants, Chlore-Alkali Industry, Stone Crushers, Textile, Pulp & Paper,

02. Fellowships awarded

- A. CSIR Fellowship for Structural Geological studies in Assam Himalayas. The studies were executed at Department of Earth Sciences, University of Lucknow, India
- B. Indo- Dutch Fellowship for Environmental Management in Human Settlements. The studies were executed in India and at Institute of Housing and Urban Development Studies (HIS), Rotterdam, The Netherlands

03. Specialized Professional Experience

SNo	Title	Institution
3.1	Special PG Diploma in Environmental Management of Human Settlements	Institute of Housing and Urban Development Studies, IHS Rotterdam, Holland (The Netherlands)
3.2	Groundwater Pollution Modeling	Waterloo Hydrogeologic Inc, Waterloo, Canada
3.3	Internal Quality Audit of Laboratory Quality System	Indian Institute of Quality Management, NABL, Dept of Science and Technology, Govt. of India
3.4	Geo-technical Aspects of Hazardous Waste Disposal	Indian Institute of Science, Bangalore
3.5	Groundwater Pollution and Control	Centre for Environmental Studies Anna University, Chennai
3.6	Pollution control in Coal and Coal based Industries	Bihar State Pollution Control Board under World Bank Project on Industrial Pollution Control
3.7	Cleaner Production : Waste Audit and Reduction	Centre for Environmental Science & Eng. IIT- Mumbai
3.8	Uncertainty Measurements in Chemical Testing (ISTM-BIS)	National Institute of Training for Standardization; Bureau of Indian Standards, NOIDA

		(UP)
3.9	Assessment of contaminated plumes of the hazardous waste dumpsites using Mass Transport Modeling for remediation of Hazardous Waste Dump Sites	National Geophysical Research Institute (NGRI), CSIR, Hyderabad

04. Publications

SNo	Title	Institution / Forum / Journal
4.1	Common Effluent Treatment Plants- Concept and Case Studies	Journal of Indian Water Works Association (Mumbai) India, March 2004
4.2	Phosphate Profile in major rivers of U.P.	International Conference on Managing Environmental Risks-Challenges Facing Surfactant in 21 st Century, Lucknow, Jan 2000
4.3	Views on CETP	National Seminar on CETPs , Gujarat Pollution Control Board, Vadodara (Gujarat) India
4.4	Environmental Status of Problem Area- Singrauli	International Conference on Water Quality, RRL CSIR, Bhopal (MP) India, Dec 2003
4.5	Groundwater Pollution in Kanpur Sources and Control measures	Central Pollution Control Board Delhi, India
4.6	Groundwater Pollution in problem areas	Central Pollution Control Board Delhi, India
4.7	CETPs- Performance evaluation of operational projects in UP State	Central Pollution Control Board Delhi, India
4.8	Parivesh Newsletter on `Groundwater`	Central Pollution Control Board, Delhi, India
4.9	Parivesh Newsletter on `CETPs`	Central Pollution Control Board, Delhi, India
4.10	Groundwater Pollution in Kanpur- a broad spectrum	Symposium of Earth Sciences Geological Survey of India Lucknow, (UP) India, April 1996
4.11	Vegetable Oil and Allied Industries in India- Strategies for Environmental Restoration	International Conference on Managing Environmental Risks-Challenges Facing Surfactant in 21 st Century, Lucknow, Jan 2004
4.12	Pollution level of River Ganga in Kanpur - Causes, Effect and Control measures	National Seminar on Water Quality, Kanpur (UP) India
4.13	Air Quality Standards- a need for review	Indian Institute of Technology IIT-Roorkee, (Uttaranchal) India
4.14	Groundwater Quality in areas of Intense Industrial Activity	National Institute of Hydrology, NIH, Roorkee, (Uttaranchal) India, Nov. 2004
4.15	Assessment of Groundwater Contamination due to industrial activities in India	International Conference on Development and Use of Environmental Reference Material, new Delhi, India
4.16	Common Effluent Treatment Plants- Performance of identified CETPs in North	National Seminar on Relevance of Common Effluent Treatment Plants for

	Indian States	Environmental Protection, Hyderabad (AP) India , March , 2005
4.17	Enforcement of pollution control measures in R. Ganga at Kanpur- a success story	National Seminar on Environment at Institute of Engineering and Technology, Lucknow
4.18	Groundwater Remediation- an applied & remediation of remediation of chromium India.	International Conference on Perspective on Environmental and Water Resources, New Delhi, Dec. 2006
4.19	Enhanced Bioremediation Pilot Study of a Cr (VI)-Impacted Overburden Groundwater System in Kanpur, Uttar Pradesh, India	International Conference on Soil, Sediment and Water, Massachusetts, USA, Oct. 2007
4.20	Identification and Mapping of Chromium (VI) plume in ground water for Remediation: A case study at Kanpur, Uttar Pradesh, India	Journal of Geological Society of India
4.21	Bioremediation of Cr (VI)-polluted Groundwater A successful Case Study at Kanpur, Uttar Pradesh, India	Indian Science Congress, Trivandrum, Kerala

05. Contact Detail

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