



## A brief report of Training Programme

### Topic: Accidental Spill-Emergency Response and Environmental Impact Assessment-Future Perspective

September, 25<sup>th</sup> -27<sup>th</sup> , 2018

National Environmental Engineering Research Institute, Nagpur

Central pollution control board organizing 3 days training programme on “Accidental Spill-Emergency Response and Environmental Impact Assessment-Future Perspective” in association with Environmental Training Unit, Central Pollution Control Board, Delhi on September 25<sup>th</sup> -27<sup>th</sup>, 2018 at National Environmental Engineering Research Institute, Nagpur. During the training programme provide an overview of oil spillage and their emergency response & risk assessment, environmental impact assessment, hazardous waste management, implementing liabilities for environmental damage due to handling & disposal of hazardous waste etc. These hazardous pollutants in environment their sources and health effects. These are pollutants that are known or cause dangerous diseases like cancer or other serious health effects. Most air toxic originate from human made sources



such as coke oven, steel plants, petrochemical plant, refineries, pesticides, pharmaceuticals, power plant, incinerator etc. as well as indoor sources such as kitchen, some building materials and cleaning solvents etc.

To provide an visit of the hazardous air toxics testing and monitoring

instruments laboratory and latest advancements taken place in analytical instrumentation i.e. AAS, ICP-OES, ICP-MS, GC & GC-MS, FTIR, Bio laboratory etc. by the experts of NEERI, Nagpur.

### **First Day: (25.09.2018)**

On first day first session registration, inaugural well come address given by the Dr. J.S. Pandey Principal Scientist & Training coordinator, NEERI, Nagpur, key note given by Dr. Harshvardhan Singh, Senior Scientist, NEERI and vote of thanks given by DR. S. P. Ghuge, Senior Scientist, NEERI. After all formalities a very good lecture delivered by Dr. J.S. Pandey, Chief Scientist & training coordinator, NEERI on “Overview of



Sustainability- Future Perspective of EIA”, in his lecture given brief information on sustainability, methods and EIA procedure of various industrial sectors. A very good lecture given by DR. S. P. Ghuge, Principal Scientist, EIS Division, NEERI on “Chemical Disaster Contingencies” and “Accident Spill-Risk Assessment and Response Plan”, he delivered lecture and explain chemical disaster particularly oil spill during accident on the water occur contaminated &



hazardous for aquatic environment. He given a example of fire hazards of Jaipur oil depot and how to risk assessment, environment degradation, mitigate and adopted the control measures to minimize the risk during the accident Dr.K.V.George, Sr. Principal Scientist, APC division and Dr.G.K.Khadse, Sr.

Principal Scientist, WTM Division given a imperative lecture on ambient air quality monitoring and study of water environment during the oil spillage during accident respectively.

### **Second Day:( 26.09.2018)**

On second day training programme a very useful lecture given by Dr. Rakesh Kumar, Director, NEERI on “Oil Spill & Emergency Response”. Er. M.

Karthik, Sr. Principal Scientist, EIS Division on waste water & their technology adopted by various industries. A imperative lecture delivered by Dr. Sharda Dhadse, Sr. Scientist, EGM Division, NEERI on Biological environment, ecology and diversity and visit Bio laboratory and demonstrated the microbiology, bio monitoring related testing instruments by Dr Kanchan Kumari, Sr. Scientist, EIS



Division. Dr. M. P. Patil, Chief Scientist & Head, WWT division delivered a lecture on Hazardous Waste Management, he described property of hazardous waste, source & characterization of hazardous waste statistics of HW in India and its management, consequences of hazardous waste and its remediation technique etc. scientifically. A very interesting lecture delivered by Dr. G. L.Bodhe, Chief Scientist & Head AI Division and Er. Satish Lokhande, Sr. Technical Officer, AI Division on Noise pollution & vibrations, they describes source of noise pollution, rules & regulation adopted for noise level in India, effect of noise pollution on human and how to control & mitigate the noise effect, vibrations etc. and group discussion among the participants. A very



Informative lecture delivered by Dr. Ritesh Vijay, Sr. Principal Scientist & Head Zonal lab, Mumbai on “Remote Sensing & GIS Geographic Information System for EIA study” he described a important tools for identification and demarcation of any site, land use/land cover etc and useful for EIA study of site.

Visit instrumentation laboratory and demonstrated sophisticated Instrument i.e spectrophotometer, FTIR, GC/GC-MS, AAS, ICP, HPLC, etc by Dr. D.L. Bodhe, Chief Scientist & Head, AID. Also described the sample processing, digestion and how to operate these instruments.

### **Third Day: (27.09.2018)**

A very imperative lecture delivered by Dr. A. N. Vaidya, Chief Scientist & Head HSWM Division, NEERI on “Solid Waste Management” & “Environmental Liabilities for Environmental Damages due to Handling & Disposal of Hazardous Waste and Penalty”. He describes the management of

solid hazardous waste its category as per EIA notification disposal methods and remediation techniques. A lecture presented by Dr. N S Raman on Environment Audit. At end of the training programme participated by all participants in group discussion with each other in presence of as well as eminent scientists of NEERI i.e Dr. J. S. Pandey, Dr. Harshwardhan, Dr. R.P. salve and Dr. S.P. Singh on preparation of EIA report and future plan, and conclude the session. After taking delicious lunch & in last day of second half Dr. J. S. Pandey, Chief Scientist & Training Coordinator, Dr. Harshwardhan Singh, Dr. S. P. Ghuge, Dr. Dr. G. L .Bodhe delivered a valedictory lecture and given training certificate to all the participant.s Overall very good exposure and beneficial for me. Logistic facility was very good and training was fruitful for me as well as my organization also.



Praveen Kumar Jain  
(Senior Scientific Assistant)  
CPCB, RD, Bhopal