



ALKALI MANUFACTURERS ASSOCIATION OF INDIA

Seminar on "Safety, Health & Environment and Waste Management in Alkali Industry"

March 14-15, 2018 (Wednesday & Thursday), Bharuch, Gujarat, India

(Followed by Plant Visit to UPL Ltd., Jhagadia on 15.03.2018)

PROGRAMME

<u>DAY 1 (14.03.2018)</u>	
08:00 AM – 09:00 AM	REGISTRATION
09:00 AM – 10.30 AM	Inaugural Lamp Lighting & Welcome Address by Mr. Anil Kumar, President AMAI Introductory Remarks by Mr. B.S. Gilra, Chairman Technical Committee & Past President, AMAI <u>Technical Session I: SHE Regulatory Challenges being faced by Indian Caustic Soda and Soda Ash Industry</u> Session Chairperson: Mr. Anil Kumar, President AMAI and Executive Director (Chemicals), DCM Shriram Ltd.
	<ul style="list-style-type: none"> Industry experience with different SPCBs regarding regulatory aspects, for on line monitoring, brine sludge, capped mercury sites and ground water contamination - Mr. S.N. Sastry, CTEC CA SBU - CHEMICAL BUSINESS, Grasim Industries Ltd., Nagda. Latest Technology in Continuous Emission and Ambient Air Quality Monitoring in Alkali Industries - Mr. R. Kishor Kumar, Country Manager, OPSIS AB-Sweden Hazop Study - for safe plant operations in Chlor-Alkali industry - Dr. Pradeep Joshi, Group President & CEO, GREEN CIRCLE INC., Vadodara Q & A and Discussions
10:30 AM – 12:10 PM	<u>Technical Session II : Safe Handling of Chlorine and Alkali Products</u> Session Chairperson: Mr. B.S. Gilra, Chairman Tech. Committee & Past President AMAI and President, Orient Paper Mills (CS Unit)
	<ul style="list-style-type: none"> Inbuilt Safety features in Chlorine Containers and Good Practices for their Safe Handling/Maintenance - Mr. Pradeep Saini, ISGEC, Yamuna Nagar, Haryana Safe Handling of Hydrogen during Compression, Filling & Transportation- Mr. Naresh Patel & Ms. Neha Jain, DCM Shriram Ltd, Jhagadia, Gujarat Safe transportation of chlor-alkali hazardous chemicals with GPS & driver training - Mr. Vikas Valand, Grasim Industries Ltd., Vilayat, Gujarat Chlorine Sensor Mapping - Mr. Sharad Tripathi, CEO, Fluidyn, Bangaluru Q & A and Discussions
12:10 PM - 12:30 PM	TEA/COFFEE BREAK
12:30 PM – 01:45 PM	<u>Technical Session III: Handling, Reuse, Recycle and Management of Wastes including Brine Sludge and Fly Ash in Alkali Industry</u> Session Chairperson: Mr. Vinay Mehta, Vice President & Works Head, DCM Shriram Ltd., Jhagadia
	<ul style="list-style-type: none"> Zero Effluent Discharge & Solid Waste Management at OPM - CSU Amlai - Mr. S.S. Tyagi, Orient Paper Mills - CS Unit, Amlai. Waste Management Initiatives at GHCL Soda Ash Plant - Mr. Sushil Kumar Singh, GHCL Ltd., Sutrapada. Reliance Experience with Sulphate Recovery System - Mr. Vivek Ranjan, Reliance Industries Ltd., Dahej Q & A and Discussions
01:45 PM - 02:30 PM	LUNCH
02:30 PM – 04:00 PM	<u>Technical Session IV: Operational Safety - Best Practices and Precautions</u> Session Chairperson: Mr. Devanand Jajoo, Vice President & Head (Chlor-alkali Plant), Reliance Industries Ltd., Dahej, Gujarat
	<ul style="list-style-type: none"> Improving Safety in the plant by means of instrumentation/automation - Mr. Pankaj Minare, DCM Shriram Ltd., Jhagadia.

	<ul style="list-style-type: none"> Electrical Safety - Precautions to be taken and best practices - Mr. R.S. Jatav, DCM Shriram Ltd., Jhagadia. Working at Height and in Confined Space - Mr. Saroj Kumar, Reliance Industries Ltd., Dahej. Chlorine Tonner Tracking System - Experience of DCM Shriram Ltd. - Mr. Vijay Kasliwal, DCM Shriram Ltd., Kota. Q & A and Discussions
04:00 PM - 04:30 PM	TEA/COFFEE BREAK
04:30 PM – 06:00 PM	<p><u>Technical Session V: Global Perspective on SHE Initiatives for Sustainability</u> Session Chairperson : Mr. B.S. Gilra, Chairman Tech. Committee & Past President AMAI and President, Orient Paper Mills (CS Unit)</p> <ul style="list-style-type: none"> Best Practices for zero accidental release in operations, transportation & usage - Mr. Frank Reiner, The Chlorine Institute, USA (through SKYPE) Liquid chlorine pipeline practices outside fence lines - Mr. Vic McMurray, Olin Corporation, USA (through SKYPE) Sustainability & the Chlor-alkali Industry - Mr. Matthew Kastner, American Chemistry Council, USA. Experience of Real Time Voltage Monitoring System in India for Safe Operations - Dr. Helmut Lademann, R2, Canada Q & A and Discussions
08:00 PM	DINNER
<u>DAY 2 (15.03.2018)</u>	
09:00 AM - 10:00 AM	SPECIAL SESSION FOR SPONSORS & EXHIBITORS
10:00 AM – 11:40 AM	<p><u>Technical Session VI: Technology Improvement for Operational Safety</u> Session Chairperson: Mr. D.R. Bhatt, Addl. General Manager (Safety, Env. & Fire),Gujarat Alkalies & Chemicals Ltd., Vadodara</p> <ul style="list-style-type: none"> Inherent Safety in Electrolyser Design - Mr. Robert Craig, INOVYN, UK JOC Green and Intelligent Technology on Brine Quality Fine Control and Powerless Cooling Tower - Mr. Xu Chunjiang (Thomas), JOC Technical Engineering Co. Ltd., China Identification and mitigation of high hazard processes in Chlor-Alkali industry - Mr. Prabodh Maiti, thyssenkrupp Industrial Solutions (I) Ltd. Bertrams SHE approach for caustic concentration, solidification and acid concentration - Mr. Vikram Bhatt, Bertrams Chemical Plants, Mumbai Q & A and Discussions
11:40AM–12.00Noon	TEA/COFFEE BREAK
12.00Noon–01:15 PM	<p><u>Technical Session VII: Zero Liquid Discharge, Water Conservation, Water Footprint & Water Audit</u> Session Chairperson: Mr. S.N. Sastry, Vice President Central technical services & training, Chlor-Alkali Business- Aditya Birla Group, Grasim Industries Limited</p> <ul style="list-style-type: none"> n-Fenton - A Prospective technology for water pollution abatement - Dr. Mithil Fal Desai, DENORA, Goa Water Management in Soda Ash Industry- Ms. Neha Bhandari, Tata Chemicals Ltd., Mithapur, Gujarat Wealth out of Waste Technologies – Recovery of Chemicals from Effluent - Mr. Vikram Dhumal , Geist Research Pvt. Limited, Goa Q & A and Discussions
01:15 PM - 01:45 PM	Panel Discussions (Mr.B.S. Gilra, Mr.S.N. Sastry, Mr.H.S. Sehgal, Mr.Devanand Jajoo, Mr.Subhash Tandon, Mr.D.R.Bhatt)
01:45 PM - 01:50 PM	Vote of Thanks by Mr. Jayantibhai M. Patel, Vice President AMAIand Close of the Seminar
01:50 PM - 2:30 PM	LUNCH
02.30 PM	Plant Visit to UPL Ltd., Jhagadia, Gujarat

Parallel Exhibition will be organized in the adjacent hall for both the days. Exhibition will close at 2.30 pm on Day 2 (March 15, 2018)