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| PSCI Supplier Conference, Hyderabad, India  **Your chance to hear case studies on how to improve sustainability in the pharmaceutical and healthcare supply chain**  Novartis Knowledge Center | Hyderabad, India | September 17 – 19, 2019 | | | |
| **Program Agenda**  Our 2019 professional development conference in India will focus on best-practice sharing in the areas of Ethics, Labor, Health & Safety, Environment and Management Systems.  The three-day conference will be split into focused case study sessions given by PSCI members, suppliers and expert organizations. In these sessions, we will share success stories and explore the challenges faced by our industry, giving the opportunity to recognize the contributions that our partners are already making and to further develop expertise. | | | |
| **CONFERENCE DAY 1: Tuesday, September 17, 2019**  **PIE/AMR Deep Dive Session – Room 1 & 2** | | | |
| **Target audience:** | | | Site management and technical leaders responsible for managing waste water, biosolid wastes and effluent discharges from their facilities |
| 08:30 – 09:00 | | | Registration |
| 09:00 – 09:05 | | | Safety Briefing  Novartis Facility Management team |
| 09:05 – 09:15 | | | Introductory remarks |
| 09:15 – 10:00 | | | Antimicrobial Resistance (AMR) background and update  **Stephen Brooks,** Advisor, AMR Industry Alliance  United Kingdom Resource and Innovation (UKRI) activities on AMR  **Kelly Kappler,** Senior Manager EHS&S External Supply Americas, Johnson & Johnson |
| 10:00 – 10:45 | | | Rationales used to set PNEC values to protect human health and environment health  **Kelly Kappler,** Senior Manager EHS&S External Supply Americas, Johnson & Johnson |
| 10:45 – 11:15 | | | BREAK |
| 11:15 - 12:00 | | | Selecting the appropriate hydraulics for meeting PNEC values  **Vincent Parker**,Associate Senior Consultant, Elanco |
| 12:00 - 12:45 | | | Use of Mass Balance calculations to demonstrate compliance with PNEC-based limits - case examples  **Vincent Parker**,Associate Senior Consultant, Elanco |
| 12:45 – 14:00 | | | LUNCH |
| 14:00-14:30 | | | Developing a Sampling Plan to evaluate compliance with PNEC-based limits  **Vincent Parker**,Associate Senior Consultant, Elanco |
| 14:30-15:15 | | | Best management practices and equipment design considerations to minimize the discharge of APIs  **Mohit Dhamija**, EHSS Lead - Third Party Asia, EHS & Sustainability, GSK |
| 15:15 - 15:30 | | | BREAK |
| 15:30-16:30 | | | Waste Water Treatment Practices at Indian Pharmaceutical Facilities  **Vikas Garg,** Technical Operations Director, Centrient  **Mohit Dhamija**, EHSS Lead - Third Party Asia, EHS & Sustainability, GSK |
| 16:30 - 17:00 | | | PIE/AMR pathways other than wastewater  **Mugundan Ramchandran**, Senior Consultant, ERM India Pvt. Ltd.  **Tejaswini Kamat**, Principal Consultant, ERM India Pvt. Ltd. |
| 17:00 - 17:30 | | | PANEL DISCUSSION |
| End of Conference Day 1 | | | |
| **CONFERENCE DAY 2: Wednesday, September 18, 2019**  **Common Session – Room 1 & 2** | | | |
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| 08:30 – 09:00 | | | Registration |
| 09:00 – 09:05 | | | Safety Briefing  Novartis Facility Management team |
| 09:05 – 09:25 | | | PSCI Board Welcome and Opening Address  **Kelly Kappler,** Senior Manager EHS&S External Supply (Johnson & Johnson), PSCI Secretary |
| 09:25 – 09:35 | | | Welcome address by Novartis  Novartis Knowledge Center Representative |
| 09:35 – 10:35 | | | Management Systems  Launch of the Management Systems Maturity Model and details of this model, what it means, how each supplier can get an idea of where they are at in their maturity journey, benefits of having a management system in place, some real life examples of setting up management systems of varying levels of complexity, some examples of the main gaps in management systems as supplier audits are conducted.  **Roberta Haski**, Consultant, HSE Elanco External Manufacturing, Asia Pacific |
| 10:35 – 11:00 | | | BREAK |
| **Business Ethics and Labor Rights Session – Room 1** | | | |
| **Target audience:** | | Management ranging from top management to practitioners, Legal and Compliance professionals, Human Resources professionals and Sourcing Managers | |
| 11:00 - 11:45 | | Ethics and best practices  - Why ethics is crucial for business with some examples.  - PSCI principles and expectations from suppliers  **Raelene Antao**,ComplianceBusiness Partner, Bayer India | |
| 11:45 – 12:30 | | Business Ethics  Sharing the best practices on antibribery & corruption  **Dimple Thomas,** Sr. Manager, Deloitte | |
| 12:30 - 13:15 | | LUNCH | |
| 13:15 - 13:45 | | VERITE PROJECT INTRODUCTION | |
| 13:45 – 14:15 | | PANEL DISCUSSION | |
| 14:15 - 14:45 | | Labor and Ethics Pilot Assessments within Pfizer’s India Supply Chain  Overview of the pilot run by Pfizer run across multiple suppliers showing recommendations trending in the labor and ethics area  **C Senthil Kumar**, General Manager - EHS, Pfizer | |
| 14:45 - 15:45 | | Novartis Ethics presentation  **Dinesh Subhedar**, Group Auditor (Region India & West Asia), Novartis  **Frank Seier**, Head of Human Rights (Ethics, Risk &amp; Compliance), Novartis AG | |
| 15:45 – 16:00 | | BREAK | |
| 16:00 - 17:30 | | Business and Human Rights in India  Transforming businesses through Supply Chain Sustainability: Introduction to Business & Human Rights  **Rishi Sher Singh**, Specialist in Business & Human Rights (B&HR) | |
| End of Conference Day 2 – Room 1 | | | |
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| **Environment and Safety Session – Room 2** | | | |
| **Target audience:** | | Health, Safety & Environment Professionals, Plant managers, Plant engineers, Project manager, Waste Water Treatment Engineers and Sourcing Managers | |
| 11:00 - 11:30 | | Conducting evaluations of antibiotic discharge risk across a global supply network with a framework  Pfizer in alignment with the AMR Alliance Framework has undertaken an evaluation of its global supply network against the AMR Framework and PEC/PNEC discharge targets. The presentation will outline the methodologies and summarize main aggregated observations of the evaluation.  **Andrei Katsko**,Global EHS Supplier Operations Lead – Europe, Pfizer | |
| 11:30 – 12:00 | | Rejuvenation of Hebbagodi Lake through Bioremediation - A Case Study  Provide a deepened understanding of the main obstacles for a constructive dialogue between procurers, regulators and manufacturers.  **Kameswara Rao A V**, Associate Vice President – EHS, Biocon Limited | |
| 12:00 – 12:30 | | Overcoming challenges in terms of effective handling of methyl mercaptan gas emissions  Overcoming a major challenge in terms of effective handling of methyl mercaptan gas emissions and generation of a useful by product from the waste gas.  **C.Chandra Shaker**, Corp. Head EHS, SMS Pharmaceuticals Ltd. | |
| 12:30 – 13:30 | | LUNCH | |
| 13:30 - 14:00 | | Antimicrobial Resistance - the work of the AMR Industry Alliance  An overview of AMR, the work of the Alliance and accomplishments in the manufacturing space, and discussions on ongoing work.  **Stephen Brooks**, Advisor, AMR Industry Alliance | |
| 14:00 – 15:00 | | India environmental regulations – Compliance to Excellence  Presentation and panel discussion on latest and upcoming environmental regulations, resultant challenges/opportunities, industry examples/case studies of achieving compliance.  **Rajani Chavan**, Global Manager–EHS & Sustainability, ISS (India) Consultancy Services Pvt. Ltd. | |
| 15:00 - 15:30 | | Pfizer Engineering Safety Council promoting best practice in contractor management  Best practices in construction safety practices with focus on contractor safety management and work at heights. Sharing of tools and resources used within Pfizer and case studies in implementing best practices within Pfizer India.  **Andrei Katsko**,Global EHS Supplier Operations Lead – Europe, Pfizer  **C Senthil Kumar**, General Manager - EHS, Pfizer | |
| 15:30 - 16:00 | | BREAK | |
| 16:00 - 16:30 | | Effective use of Permit to Work (PTW) to eliminate the work place incidents  Presentation on how incorporating PSCI principles in business operations have supported in business sustainability.  **Bharat Londhe**, EHS Head (Corporate), Piramal | |
| 16:30 - 17:30 | | High Risk Safety Programs - Confined Space Entry – Deep Dive  Program element details, best practices/lessons learn sharing, implementation challenges/opportunities.  **Roberta Haski**, Consultant, HSE Elanco External Manufacturing, Asia Pacific  **Rajiv Narang,** Associate. Director, Safety Health and Environment, Centrient Pharmaceuticals | |
| End of Conference Day 2 – Room 2 | | | |
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| CONFERENCE DAY 3 – **Thursday, September 19, 2019** | | | |
| 08:30 – 09:00 | Registration | | |

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| **Process Safety Management, Industrial Hygiene and Management Systems Session** | |
| **Target audience:** | Managers and site leaders responsible for these subject areas |
| 09:00 – 09:30 | Energy management system best practices  Discussion on Energy Management System (ISO 50001:2011) initiative implementation for sustainability of Energy Conservation.  **Seetharamaiah S**, Asst. General Manager – Granules Omnichem Pvt. Ltd.  **Vikram Sena Reddy Vulupala**, Manager – Granules Omnichem Pvt. Ltd. |
| 09:30 – 10:00 | Zero Accident Vision – A Pathway to Safety Culture  Discussion on why industries should have zero Accident vision (ZAV) and review of existing and emerging approaches to achieve ZAV  **Vijaya Sarathi Bandi**, ManagerHSE - India Operations, West Pharmaceutical Services, India |
| 10:00 - 10:30 | Applied Laboratory Safety  Discussion on hazardous properties of most commonly used laboratory chemicals. Case studies on laboratory safety accidents, contributory factors and recommendations to reduce accidents and fires in laboratories  **Maharshi Mehta**, President - ISS (India) Consultancy Services Pvt. Ltd. |
| 10:30 - 11:00 | BREAK |
| 11:00 - 11:30 | Sprinkler protection: From basics to special applications  Basics of sprinkler protection with reference to current standards and examples of applications in the pharmaceutical industry. Focus on sprinkler protection of warehouses with dos and don'ts.  **Daniel Rehm**, HSE Consultant EEM – EMEA & API, Elanco Animal Health Inc. |
| 11:30 - 12:00 | Safety vents for chemical reactors  Presentation on risk of overpressure in chemical reactors, as a result of an exothermic reaction, a sudden gas release, or a fire. Means to avoid them or release the overpressure also will be discussed.  **Seshagiri Rao**, Suppliers HSE Auditor, Sanofi |
| 12:00 - 12:30 | Inertization - Best practices sharing in API plant  Sharing facility best practices on Inertization / nitrogen blanketing system for key equipment with state of art methods including nitrogen validation details  **Rahul Shitole**, Sr. Manager EHS, Megafine Pharma (P) Ltd. |
| 12:30 - 13:00 | Emergency Preparedness & Response  Discussion on process of preventing, preparing for, responding to, and recovering from an emergency.  **Satya Prakash**, Akums Drugs & Pharmaceuticals Ltd. |
| 13:00 - 14:00 | LUNCH |
| 14:00 - 14:45 | Exposure monitoring of active, pharmaceutical ingredients, basics & new insights  Providing basic rules of quantitative assessment of API including sampling methodology and requirements applicable in J&J.  Sharing of key findings of a study performed by Janssen and the Catholic University of Leuven, Belgium on the IOM sampling head and how J&J and the Pharmaceutical Business is responding.  **Michel Vangeel**, Senior Principal Industrial Hygiene & Process Safety, Johnson & Johnson |
| 14:45 - 15:30 | Selection, use, storage and care of RPE - Lessons Learned in Pharma Industry  Focus on (a) selection based on chemical/API health hazards and respirator protection factors (b) respirator use including factors such as checking Powered Air Purifying Respirator (PAPR) flow rate and respirator cartridge replacement frequency (c) storage (ziplock bags in non-contaminated area (d) care (decontamination). Case studies and practical demonstration based on experience at 100+ pharma companies globally.  **Maharshi Mehta**, President, ISS (India) Consultancy Services Pvt. Ltd. |
| 15:30 - 16:00 | BREAK |
| 16:00 - 16:45 | Medical Surveillance in India  An overview of how a member company has implemented medical surveillance programs effectively – including how they have approached potent compound programs. This is being presented as it is one of the highest findings for shared PSCI audits globally  Improve knowledge of cartridge selection and service life calculation by working through case studies  **Dr. P. Eswara Rao**, Medical Practitioner, Pfizer |
| 16:45 - 17:30 | Common PSCI IH Audit findings & Solutions  The most common IH related findings from PSCI shared audits will be shared. The team will cover what they believe to be critical or major issues and what is unique to Pharma. Additionally, some solutions to common findings will be shared.  At the end – we will take Q&A for what companies want more help on from the PSCI IH technical team.  **Vijaya Kumar Bendi**, Manager, EHS&S External Supply, Johnson & Johnson |
| WRAP UP | |
| Conference adjourns | |

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