

Responsible Waste Stewardship: Business Sustainability and Waste Management Processes

Date: 22nd Nov 2011, Suntec Convention Centre, Room 308



Time	Program	Speaker
0830	Registration & Networking	
0900	Welcome Comments and Sustainability with Regard to Stewardship of Produced Waste and Spent Materials	Mr Jeff Sacre
	The concept of sustainability has received a great deal of attention. Mr. Sacre will introduce the day's seminar with a brief discussion about sustainability: economic sustainability for businesses and environmental sustainability concerning an organization's productive activities. Beyond a doubt, the most direct aspects of environmental sustainability concern the management of environmental issues resulting from the organization's productive activities, including the organization's suppliers (providing recycling and treatment/disposal services for their produced wastes and spent materials). Further and more indirect, are the sustainability aspects related to the organization's product life-cycles and management of their products "end-of-life" issues. Finally, the environmental aspects related to the organization's suppliers (inputs, ingredients, assemblies). This brief introductory presentation will kick-off the seminar that will be pertinent and eye-opening for all attendees.	
0930	Exploring the Concept of Responsible Waste Stewardship	Mr David Chng
	The focus will be on the sustainability concept related to stewardship of an organization's spent materials (including unwanted/end of life electronics products) and produced wastes. The presentation will look broadly at the topic of stewardship from the environmental aspects of an organization's activities "on-site" and as well the issues related to off-site shipments of their spent materials and produced wastes. Mr. Chng will emphasize that sustainability extends beyond the organization's fence line, and responsibility of the organization carries forward to include the responsible management, transport, recycling and treatment/disposal of all of the "wastes and spent materials" that they generate. Mr. Chng will outline the options available to organizations to manage these issues, to include the actions that are available to them to vet, monitor, and manage their suppliers.	
1030	Coffee Break & Networking	
1100	Real-World Experiences in Environmental Sustainability: Gathering Key Risk Information While Conducting Reviews of Suppliers	Mr Tad Yancheski
	Mr. Yancheski's presentation will address actual examples of environmental disasters or problem sites from throughout the Asia/Pacific region occurring in the recent past. Mr. Yancheski will highlight how the potential risk associated with the facility could have been identified by a customer or potential customer of the facility in advance of the situation, or how the problem could have been foreseen through the gathering of the various information that are typically obtained through CHWMEG reviews. Examples will highlight problems identified at recycling and treatment/disposal supplier facilities from issues identified in the relevant sections of the CHWMEG questionnaire/protocol.	
1230	Lunch & Networking	
1330	Real-World Experiences in Environmental Sustainability: More Case Studies	Mr Tad Yancheski
	Part 2 of 2	
1430	Sustainable Waste Management and Technologies	Dr Charles CC Lee
	This presentation will discuss the current advanced waste treatment and disposal technologies to handle hazardous wastes generated from industries. Technologies include biodegradation of recalcitrant organics (in situ and ex situ systems), stabilization and solidification, thermal treatment, and land disposal. Technology challenges will encompass engineering principles, operational constraints, and cost. Everything "appears" to be in order if the manufacturer executes the following: (1) treats the waste to be discharged in compliance with the local environmental regulations; (2) disposes off the treated or untreated waste at a regulated disposal facility; (3) recycles, to the extent possible, the waste. Are these waste management practices adequate? More importantly, are they environmentally Sustainable? Sustainable waste management, particularly in the rapidly developing Asian economies, requires a quantum shift in what we do conventionally. We will discuss challenging issues to sustainability such as: (1) life cycle assessment - cradle-to-grave, and cradle-to-cradle thinking; (2) green manufacturing; and (3) industrial symbiosis, which borrows ideas from sustainable biological ecosystems.	
1600	Concluding Comments ; Questions & Answers	Jeff/Tad/Dr Lee
1630	END	