



Advancing EHS using Lean and Six Sigma

Hosted By General Mills

May 22-23, 2007 Minneapolis, MN

Tuesday, May 22 nd		
7:30 – 8:30am 8:00 – 8:30am	Registration Open Continental Breakfast	<i>Outside Champion Center Auditorium</i>
8:30 – 8:45am	Workshop Opening	
<i>Champion Center Auditorium</i>	Welcome & Introductions by NAEM and General Mills ➤ Larry Deeney , Manager of Environmental Protection, General Mills ➤ Carol Singer , Executive Director, NAEM	
8:45 – 9:15am	Learning to See: How Lean & Six Sigma Techniques can drive EHS Results	
<i>Champion Center Auditorium</i>	The focus of this opening session is to frame the workshop and provide a ‘big-picture’ look at how companies -- whether driven by the Lean or Six Sigma group or the EHS group -- are starting to see significant business results when they integrate these business management philosophies with EHS goals and metrics. ➤ John Harris , Lean Six Sigma Black Belt, Eli Lilly and Company	
9:15 – 12:15pm	Comparing Approaches: Key Concepts & Tools of Lean and Six Sigma	
10:00am Break <i>Champion Center Auditorium</i>	This session will provide an overview of continuous improvement philosophies before drilling down into Lean and Six Sigma, focusing on the key concepts and tools associated with each discipline. It will answer questions including “What are Lean and Six Sigma?” and “How do they drive business excellence?” Specific tools and concepts to be reviewed in this session include DMAIC, Value Stream Mapping and Process Flow Diagrams, Root Cause Analysis, Mistake Proofing and Key Performance Indicators. ➤ Kent Myhrman , CEM, CmfGE, CEI, Minnesota Technology, Inc. ➤ Mike Wells , Safety Supervisor and Six Sigma Green Belt, 3M ➤ Tom Goodwin , Master Black Belt, Motorola	
12:15 - 1:00pm	Lunch	<i>Room 21/22</i>
1:00 - 2:30pm	Driving EHS Performance with Lean Six Sigma	
1:00 – 1:45pm <i>Champion Center Auditorium</i>	Moving from 5S to 6S at Eaton Corporation 5S is a lean tool often considered a natural starting point for integrating EHS and Lean Six Sigma. This session will explore 5S and look at how adding the 6 th “S” –safety–has yielded improved safety performance at Eaton Corporation. It will also examine the critical issues EHS managers face as they attempt to implement new initiatives and provide key lessons learned from Eaton on how to ensure the success of your “5S+” program. ➤ Ernie Kulik , Environmental Program Manager, Eaton Corporation	
1:45 – 2:30pm <i>Champion Center Auditorium</i>	Applying Cause and Effects Analysis at Tyco International From making a better cup of coffee to driving down environmental, health and safety defects, Cause and Effect Analysis is a simple and effective tool you can take back to your job and apply without extensive statistical analysis or high training costs. This session will walk through how you develop and use a Cause & Effect (C&E) matrix as well as look at how the use of C&E analysis helped drive impressive safety performance improvements at Tyco. ➤ Marc VanderWal , Senior Program Director & Six Sigma Black Belt, Earth Tech, Inc.	
2:30 - 2:45pm	Break	<i>Outside Champion Center Auditorium</i>

Tuesday, May 22 nd (cont.)	
2:45 - 5:00pm	EHS Applications for Value Stream Mapping
2:45 – 4:00pm <i>Room 21/22</i>	Hands On Exercise: Value Stream Mapping <i>Room 21/22</i> Value Stream Mapping, referred to as the foundation of Lean, provides a systematic way of looking at your business in incremental pieces to better understand why and how things are happening. This exercise will introduce attendees to VSM and how it can be applied to EHS. Attendees will then break into working groups and perform a VSM and report back on their learnings and observations. ➤ Catherine Greener , Managing Director, Domani ➤ Jenni Cawein , Corporate Environmental Manager, Baxter Healthcare Corp. ➤ Rob Currie , Director EHS, Baxter Healthcare Corp.
4:00 – 5:00pm <i>Room 21/22</i>	Applying Value Stream Mapping This case study will illustrate how Baxter Healthcare has used Value Stream Mapping to drive business value and enhance EHS performance in a number of functional areas. ➤ Jenni Cawein , Corporate Environmental Manager, Baxter Healthcare Corp. ➤ Rob Currie , Director EHS, Baxter Healthcare Corp.
5:00 – 5:15pm	Day 1 Summation Remarks
<i>Room 21/22</i>	Workshop participants will come together to debrief on the day and prepare for the next morning's sessions. ➤ Larry Deeney , Manager of Environmental Protection, General Mills ➤ Virginia Hoekenga , Director of Programs, NAEM
5:30 - 6:30pm	Networking Reception <i>Outside Champion Center Auditorium</i>

Wednesday, May 23 rd	
7:45am	Breakfast Served <i>Room 21/22</i>
8:00 – 9:00am	Bringing it Together: Using Lean and Six Sigma to Achieve Sustainability
<i>Room 21/22</i>	This special breakfast keynote showcases how one of the nation's largest diversified energy companies used Lean Six Sigma to drive business profitability while also providing a lasting foundation for its ongoing business and environmental sustainability. Learn how DTE Energy has applied Lean Six Sigma thinking and tools to “operationalize” social and environmental performance making “sustainability” tactical and measurable. ➤ Mike Sklar , Manager Center for Excellence DTE Energy ➤ Jason Schulist , Director of Continuous Improvement, DTE Energy
9:15 – 11:15am	Integrating EHS with Lean/Six Sigma to Drive Results Across the Value Chain
<i>Champion Center Auditorium</i>	This case study session showcases how different companies have brought EHS and Lean Six Sigma together. Whether at an enterprise level or via individual projects, these examples show how integration resulted in EHS performance gains in different business areas, including supply chain management, governance and operations. ➤ Dave Sordi, PE , Manager Environmental Engineering, Ingersoll Rand ➤ Tom Goodwin , Master Black Belt, Motorola ➤ Leonard Sarapas , PE, PH, Corporate Director of EHS, Boston Scientific ➤ Scott Smith, PE , Ergonomics Practice Leader & Black Belt, EORM
11:30 –12:30pm	Overcoming Challenges to Integrating Lean and Six Sigma with EHS
<i>Champion Center Auditorium</i>	Moderated and Facilitated by the NAEM Workshop Planning Committee, this closing session will focus on lessons learned. All attendees are encouraged to come ready to share their experiences and ask questions. ➤ Paul Narog , Manager of Environmental Operations, 3M ➤ Ernie Kulik , Environmental Program Manager, Eaton Corporation ➤ David Crisman , Corporate EHS Manager, HB Fuller Company
12:30pm	Workshop Adjournment