



***CSTC 2005-B***  
***Chemical Safety Handbook Vol. 2***  
***“Chemical Safety and Lifecycle  
Management Handbook”***

---

*James Morgan*

*Washington Savannah River Co.*

*Manager, Chemical Management Center*

*(803) 557-4668*

# Team Members

---

James Morgan	Chair	WSRC
Billy Lee		DOE-EH52
Dave Freshwater		SAIC
Harvey Grasso		DOE-LLNL
Denny Hjeresen		LANL
Kirk Hollis		LANL
Murty Kuntamukkula		WSRC
David Quigley		BWXT Y-12
Josh Silverman		DOE-EH43
Fred Simmons		WSRC
Robert Vrooman		DOE-NNSA
Helena Whyte		LANL

# History

---

- *Handbook Vol. 2 needed revision*
- *CSTC 2004 Team B recommendation-  
Chemical Safety and Lifecycle  
Management*
- *Why?*
  - To Improve Chemical Safety throughout  
the DOE Complex by, reducing inventories,  
reducing waste, and identifying and  
reducing unnecessary risk!!!!!!



# ***Objective***

---

- *Rewrite Handbook Vol. 2 describing “Chemical Safety and Lifecycle Management”*
- *Complete the rewrite by March 2006*



## *Where we are*

---

- *Completed the body of the handbook*
- *Working on the Foreword and Appendix*
- *Expect the handbook completed for review by Summer 2006*

# Key Points

---

- ISM requires that safety must be built into all aspects of our work at DOE. A Lifecycle approach to chemical safety does that.
- An effective chemical safety program must cover all aspects of the chemical lifecycle. It must include other disciplines such as emergency management, procurement, and environmental management.
- We know that all too often these different functions are “stovepiped,” with the result being reduced efficiency, increased risk and costs.



# Key Points

---

- A lifecycle approach to chemical safety links all phases of chemical management, from procurement through disposition. Chemical disposition costs and options, whether re-use, recycle, or disposal, should be evaluated before the chemical is purchased.
- Establishing a single point of contact for all chemical issues to improve consistency, coordination, and communication in chemical safety.



# *The Bottom Line*

---

*The implementation of “Chemical Safety and Lifecycle Management” will result in better protective actions and an overall reduction in chemically related incidents.*