



DMCC ASSIST VISIT PROGRAM

**18th DMCC Meeting
May 2, 2011**

May 3 - 6, 2010 Renaissance Las Vegas Hotel • Las Vegas, Nevada



ASSIST VISIT OBJECTIVES

- **Evaluate Meteorological Monitoring and Consequence Assessment (CA) Program Adequacy**
 - Present Mission Requirements
 - Future Mission Requirements
- **Evaluate Effectiveness of Meteorological Program Services**
 - DOE/NNSA Landlord
 - Site Customers
 - Interface with Federal and State Agencies



PROGRAM IMPROVEMENTS RESULTING FROM ASSIST VISITS

- **Enhanced Management Awareness of Meteorological Program Vitality to Operations, ISMS and Other Programs**
- **Human Resources**
 - Better Integration and Deployment of Technical Resources
 - Added FTE or Summer Intern
- **Monitoring Instrumentation**
 - Overall Program Capital Improvements
 - Sonic Anemometers
 - SODAR
 - Higher-Resolution Lightning Detection System
- **Consequence Assessment AT & D Modeling**
 - Acquisition of State-of-the-Art AT & D Model
 - Improvements to Existing Model



PROGRAM IMPROVEMENTS RESULTING FROM ASSIST VISITS

- **General Program Upgrades**
 - Increased Program Funding to Meet Present and Future Program Requirements
 - Better-Integrated Consequence Assessment-Meteorological Monitoring Interfaces
 - Improved Consequence Assessment Models
 - Improvement in Severe Weather Monitoring and Reporting
 - Improved Siting of Meteorological Towers
 - Improved Data Acquisition and Certification Procedures
 - Improved Calibration Procedures
 - Improved Interfaces with State Agencies

DMCC ASSIST VISIT PERFORMANCE CRITERIA

ANSI/ANS-3.11 (2010); DOE O 458.1
[Meteorological Monitoring]

DOE G 151.1-1 Series
[Consequence Assessment]



MONITORING SYSTEM AND CA EVALUATIONS

- **24 ANSI/ANS-3.11 (2010) and DOE O 458.1 Objectives**
- **9 DOE G 151.1-1 Series Objectives**
 - Meets Objective
 - Partially Meets Objective
 - Does Not Meet Objective
- **Objectives Address Full Spectrum of Program Elements**
- **Observations and Recommendations Tie-Back to Specific Objectives**
- **Self-Assessment Meteorological Monitoring and Consequence Assessment Tools**



ASSIST VISIT CUSTOMER SATISFACTION INTERVIEWS

- Environmental Compliance (NESHAP, NPDES)
- NEPA (EA, EIS, PEIS)
- Emergency Management (EPA, CA)
- Integrated Safety Management (DSA, LCO, BIO)
- Environment Safety & Health (OSHA PSM, RMP)
- Operations (OSHA)
- Environmental Monitoring (ASER)
- NNSA/DOE Oversight
- Offsite Agency Interfaces (UDAC)

ASSIST VISIT ROLL-UP

- Noteworthy Practices
- Observations and Recommendations
 - 24 [Y-12 (2008)]
 - 28 [Hanford (2008)]
 - 23 [ORNL (2009)]
 - 11 [SRNL (2009)]
 - 17 [BNL (2009)]
 - 9 [INL (2010)]
- Monitoring Objectives Met/Partially Met/Not Met
- CA Objectives Met/Partially Met/Not Met



ASSIST VISIT RESPONSE

- **No-Fault Posture**
 - Program Improvement Prioritization Determined by Site Management
 - Program Improvement Scheduling Determined by Budget Constraints and Program Priorities
- **After Action**
 - DMCC Available for Advice Upon Request
 - Recommend Follow-up AV Every 3-4 Years Upon Request
- **Confidentiality of Results**



ASSIST VISIT TEAM STRUCTURE

- Program Specialist and Team Leader
- Meteorological Monitoring System Specialist
- Consequence Assessment System Specialist
- DOE Observer (Optional)



ASSIST VISITS



- April 1996: Nevada Operations Office/NTS (for ARL/SORD)**
- April 1997: Pantex Site (for Battelle-Pantex)**
- Sept. 1997: Oak Ridge Reservation: Y-12, X-10, K-25 (for OROO)**
- Oct. 1997: WIPP (for Washington TRU Solutions)**
- Aug. 1999: WIPP (for Washington TRU Solutions)**
- Aug. 2002: WIPP (for Washington TRU Solutions)**

ASSIST VISITS



- May 2003: SNL – NM (for University of California)**
- May 2004: Oak Ridge: Y-12 (for BWXT Emergency Management)**
- Sept. 2004: INEEL (for ARL FRD)**
- Aug. 2005: WIPP (for Washington TRU Solutions)**
- Aug. 2006: LANL (for LANS)**
- Sept. 2007: Nevada Site Office/NTS (for NS Tech)**

ASSIST VISITS



May 2008: Oak Ridge: Y-12 (for BWXT Emergency Management)

Sept. 2008: Hanford (for PNNL)

March 2009: ORNL (for UT-Battelle)

June 2009: SRNL (for SRNS)

July 2009: BNL

April 2010: INL (for ARL FRD)

TBD: LLNL, Pantex, Y-12 Follow-Up, Hanford Follow-Up

Summer 2012: LANL

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