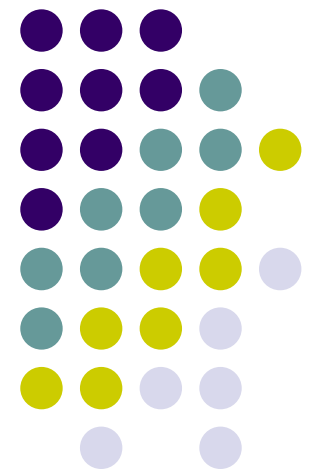


# “EFCOG’s Knowledge Portal Review” 2009 Waste Management Symposium



Norm Barker, *Energy Solutions*, Chair  
Integrated Safety Management and Quality  
Assurance

March 3, 2009





# Purpose

- To promote excellence in development, implementation, and continuous improvement of ISM & QA programs and processes
- To facilitate the application of "Best Practices" throughout DOE complex

# Scope



- Integrated Safety Management
- Feedback & Improvement
- Quality Assurance
- Best Practices
- ISM & QA Training and Communication



## **Contractor Leadership**

- **Dave Amerine, Parsons, Executive Sponsor**
- **Norm Barker, EnergySolutions ISM & QA Chair**
- **John McDonald, CH2M Hill, 1<sup>st</sup> Vice Chair**
- **Susan Kimmerly, Bechtel Jacobs, 2<sup>nd</sup> Vice Chair**
- **Connie De Grange, Secretary**



# DOE & Liaison Sponsors

## Prime DOE Sponsors

- Pat Worthington, DOE-HSS
- Frank Russo, NNSA
- Bill Roege, HSS

## DOE – Line

- Dae Chung, EM
- Sam Johnson, NNSA

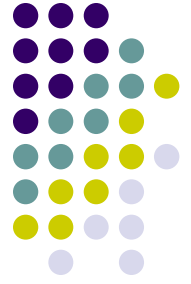
## Liaison

- Matt Moury, DNFSB
- George Mortensen, INPO



# Accomplishments 2008

- 413.3 Project Management Guide QA Upgrade
- Joint DOE-EFCOG Safety Culture Task
- DOE-Environmental Management (EM) Corporate QA Board Task for Top 5 QA Items
- DOE Vendor Day
- New Operating Experience Review Program
- NQA-1 Lead Auditors for EM for Project Evaluations
- Suspect/Counterfeit Items
- HPI & NQA-1 Training

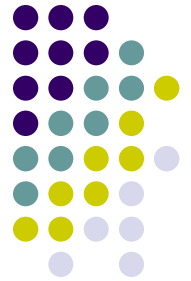


# ISM 2009 Initiatives - Leadership in Addressing and Integrating DOE ISM Top ISM Issues

## Tasks

- Safety Culture Pilot Projects
- Development of a Suite of HPI Implementation Tools
  - HPI Steering Committee Approach
  - HPI Training Development & Implementation
  - HPI Self Assessment (Gap Analysis)
  - Root Cause and Event Investigation deliverable
  - Safety Culture related aspects of HPI deliverable
  - Work Control Process deliverable
  - Engineering Error Reduction
  - Procedures
  - Event Prevention (HPI) Indicators

# Feedback & Improvement Initiatives



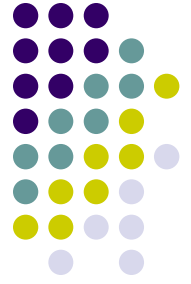
- **Re-evaluation, Re-invigoration, and Integration of Improvement Processes**

## Tasks

- HSS Complex Wide Lessons Learned System Awareness
- QA/ISM Assessment Integration
- ORPS Task Group working on a generic training module to make available to the contractors
- Continuing to work with the EFCOG WG on Contractor Assurance to understand the potential for overlap of work and scope within EFCOG
- Re-Invigoration of EFCOG Best Practices Program



# QA Initiatives – Improving Effectiveness and Consistency of QA Program Implementation



- **Tasks-General QA**
  - Support to DOE HQ EM Corporate QA Board on Top 5 EM QA Issues
  - Flow Down of QA Requirements
  - Graded Approaches to QA Application
  - NQA-1 Supplier Availability and Evaluations
  - Commercial Grade Dedication Process
  - Line Management Understanding of QA and Oversight
- Support to EM NQA-1 Audits
- NNSA QA Improvement Plan
- Review of 414.1c Requirements and Interface with ISM 450.4 & Contractor Assurance 226.1a
- Construction QA/QC Best Practices



# QA Tasks (Continued)

- **Quality Engineering**
- Commercial Grade Dedication
- Maintenance Hold and Witness Point Selection Criteria
- The Role and Responsibilities of a Quality Engineer
- Non Safety Boundaries of SQA
- **Policy and Program Requirements**
- Relevance and Application of NQA-1 Part 2
- Developing a List of Matrices Comparing Various National Standards and DOE Orders
- Complex Wide Consistency in the Application of Quality and Procurement Classifications