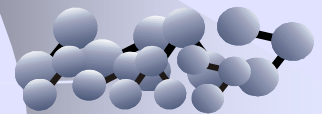




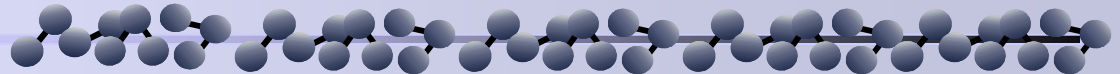
# **PNNL Assessment Results**

**Work Planning & Control (WP&C)  
and  
Feedback & Improvement (F&I)**



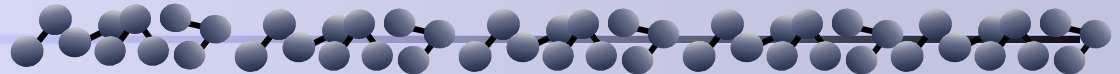
# Assessments Completed

- ◆ **PNSO and Battelle jointly performed self-assessments against respective WP&C and F&I criteria**
- ◆ **Assessments relied on document review, expert knowledge, and results of previous assessments**
- ◆ **Assessment results were reviewed by PNSO and Battelle, and improvement actions were identified**
- ◆ **Improvement actions will be tracked to closure and system performance will be monitored to determine impact**
- ◆ **PNSO and Battelle will continue to utilize system feedback and improvement tools to understand health and to continuously improve**



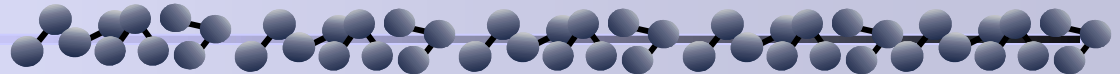
# PNSO WP&C Key Improvement Actions

- ◆ **Develop PNSO ISM Program Description pursuant to 2004-1 IP and draft DOE M 450.4 and including description of oversight of WP&C (9/06)**
- ◆ **Schedule appropriate WP&C assessment activities as part of Integrated Evaluation Plan (3/06)**
- ◆ **Develop PNSO Project Oversight Procedure which covers oversight on lifecycle basis (3/06)**



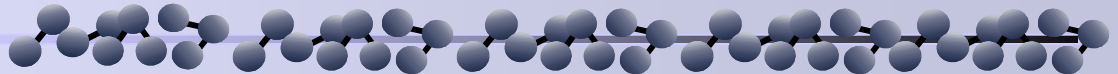
# Battelle WP&C Key Improvement Actions

- ◆ **Update Facility Operations Maintenance Work Control Procedure to better address turnover requirements and improve the incorporation of lessons learned in work planning (9/06)**
- ◆ **Update “Procedures, Permits and Other Work Instructions” procedure to address incorporation of Lessons Learned in procedure writing in conjunction with DOE O 210.X (9/06)**
- ◆ **Develop improved control mechanisms for work performed outside of Integrated Operations (IOPS) work spaces (4/06)**
- ◆ **Revise Safety and Health procedures to more clearly articulate hierarchy of controls (i.e., hazard elimination, engineered controls, administrative controls, PPE) (8/06)**
- ◆ **Update IOPS self-assessment tool to provide specific consideration of concerns related to co-located hazards (3/06)**



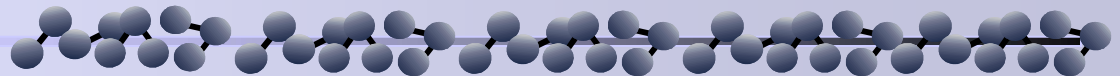
# PNSO F&I Key Improvement Actions

- ◆ **Update PNSO Performance Assurance Procedure to conform to DOE O 226.1 (3/06)**
- ◆ **Develop PNSO FRA Document as required by DOE M 411.1-C (possibly combine with ISM Program Description as allowed by draft DOE M 450.4) (3/06)**
- ◆ **Finalize PNSO Quality Assurance Program Description (QAPD) (3/06)**
- ◆ **Finalize PNSO Integrated Management and Planning Procedure and update Integrated Evaluation Plan (3/06)**
- ◆ **Schedule formal annual review of effectiveness of contractor assurance processes, as required by 226.1 (3/06)**
- ◆ **Develop formal technical staffing and qualification plans for safety assurance personnel (9/06)**



# Battelle F&I Key Improvement Actions

- ◆ **Develop PNNL Contractor Assurance Program Description including description of annual review and approval process pursuant to DOE O 226.1 (9/06)**
- ◆ **Conduct follow-up assessment of Integrated Planning and Assessment Management System maturity to assure sustainability of recent improvements (9/07)**
- ◆ **Determine minimum qualifications required for independent assessors and develop assessor training plan (9/06)**
- ◆ **Conduct quarterly reviews to assess data quality in Assessment Tracking System and assess CAMP implementation (9/06)**
- ◆ **Review and revise Laboratory requirements and expectations for use of risk-based extent of condition and causal analysis (9/06)**



# Key Elements to Reinvigorate ISM

- ◆ **Implementation of OneSC and PNSO management system structure**
- ◆ **Implementation of DuPont-based Safety Management Leadership Training at PNNL**
- ◆ **Incorporation of INPO-based Human Performance Initiative (HPI) into systems and processes at PNNL**

