
BHSO IH Exposure Monitoring Assessment Plan

June 6-10, 2004

Scope

- Review BNL's IH exposure assessment programs and processes
- Focus on the effectiveness and integration of this IH function into work planning, especially as it relates to hazard analysis and work controls.
- Review routine work activities, demolition and decontamination work that have the potential to expose workers to regulated chemicals and other hazardous substances.

Assessment Team

- Lead Assessor: Tom McDermott, IH/CH
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Assessment Plan

- Interviews of the Industrial Hygiene staff and facility personnel responsible for monitoring chemicals usage in experimental and facility work.
- Interviews of personnel responsible for work planning and approval of safe work permits; as well as facility workers, subcontractors and scientific staff.
- On conclusion of the on-site interview schedule and field work, a final report will be issued.

Assessment Plan (cont'd)

- The assessment will be focused on various work activities and how effectively the industrial hygiene function, specifically exposure assessment and monitoring, is integrated into work planning and hazard control. An emphasis will be given to the following activities and/or hazards:
 - Experimental use of hazardous chemicals
 - Construction, decontamination and demolition work
 - Fabrication, welding, cutting, and brazing
 - Vehicle Maintenance

Schedule

- The on-site portion of the review, which primarily involves staff and management interview and field observations, will be conducted from June 6 through June 10, 2005. A final report will be issued prior to June 24th, 2005.

Evaluation Criteria

- DOE O 440.1A, Worker Protection Management for DOE Federal and Contractor Employees
- DOE P 450.4, Safety Management System Policy
- OSHA, 29 CFR Part 1910, Occupational Safety and Health Standards
- OSHA, 29 CFR Part 1926, Safety and Health Regulations for Construction
- BNL Standards Based Management System (SBMS)
 - Work Planning and Control for Experiments and Operations
 - Worker Safety and Health (Subject Matter Area)
 - Working with Chemicals
 - Personal Protective Equipment
 - Noise and Hearing Conservation
 - Lead

Resource Needs

- Briefing by Industrial Hygiene on the organizational structure and how industrial hygiene is integrated into work planning, especially as it relates to exposure assessments, hazard analysis and identification of appropriate work controls.
- Selected work packages to include work permits
- Interview schedule of selected management and staff
- Organizational charts
- Point of Contact for each division/department

Resource Needs (cont'd)

- Schedule of on-going facility and vehicle maintenance work
- Access to division procedures and other work documents, and training records
- Access to exposure monitoring records