
What everyone needs to know
about OHSAS 18001

What is OHSAS 18001?

- A set of requirements defining an occupational safety and health (OS&H) program.
- Intended to support identification and control OS&H risks
- Provides a recognized standard against which to be assessed and certified
- Very much like 14001 Environmental Management System structure
- ISO 14001 and OHSAS 18001 provide the structure of the ESH program

OHSAS 18001 Structure

- Requirements in 5 major categories
 - OH&S Policy
 - Planning
 - Implementation and Operation
 - Checking and corrective action
 - Management Review
- Each category addresses multiple topics (OHSAS has a total of 18 specific topics which must be addressed.)

Risk Assessment - the most significant new process

- Risk assessments are required for all NSLS activities with hazards
 - Identify the hazards
 - Estimate the Risk---the chance that someone will be harmed by that hazard.
Risk is estimated by # people x frequency x severity x likelihood
 - Identify the controls that we use to reduce the risk of an incident
 - Re-estimate the risk of an incident with controls in place
- Two types
 - Facility Risk Assessment (FRA)
 - Hazards posed within the physical layout of building (e.g. noise, smoke, radiation)
 - Job (Activity or Task) Risk Assessment (JRA)
 - Hazards posed to the worker (e.g. power tool use)

Development of Job Risk Assessments (JRAs) at NSLS

- The JRAs for 38 NSLS work activities
- Reviewed by a cross-section of workers who performed each activity to discuss hazards, controls and the risk
- JRAs were changed based on results of discussion
- All 38 JRAs have been finished and are available on web

What did we accomplish with the JRA?

- Reviewed the hazards and the controls that are in place for a particular type of work
- Identified any gaps or deficiencies in our current program
- Collected worker input for the identification of hazards and the establishment of controls in the ESH program
- Reminded workers and supervisors about hazards, controls and risks associated with your work activities

How should you use a JRA?

- Not an SOP
- Reference document for use as needed
 - Work planning, new employee orientation, or refresher training (e.g. safety moment or tool-box discussions)
 - Guidance for developing SOPs
 - Help management prioritize risks and improvement efforts
 - Used in conjunction with worker qualification matrix

Facility Risk Assessment (FRAs)

- 9 FRAs were prepared and reviewed by ESH staff
- Reference document for use as needed
 - Assist in establishing training needs
 - Help management prioritize facility risks and improvement efforts

JRAs and FRAs are a continuing work

- Will be reviewed and updated as needed based on actual experience in the work place
- Will be reviewed and updated at least every three years

The Related Process - Worker Qualification

- Mike Buckley met with individual groups to identify work activities performed - assists in defining skill of the worker and work planning requirements.
 - Listed OHSAS activities (links to JRAs)
 - Identified training requirements
 - Generated a qualification matrix based on
 - Supervisor judgment
 - Laboratory qualification requirements
 - Work permit requirements
 - JRA risk score

Questions that could come up in an interview

- Are you aware of BNL's [Environmental, Safety, Security & Health Policy](#)?
- Who are the the OHSAS Management Representatives?
 - BNL – [Jim Tarpinian](#)
 - NSLS – [Andrew Ackerman](#)
 - NSLS-II – [Bob Casey](#)
- What is the [NSLS ESH Improvement Committee](#)?
 - The NSLS Worker Involvement Committee
- What training requirements apply to your work?
 - Check your [JTA](#)
- How do you identify and plan for hazards and risks associated with your work?

Lets take a look

- Where do you find these documents?. Go to the NSLS home page and do a search on OHSAS