

Brookhaven National Laboratory (BNL)

## Occupational Safety & Health Management System

### OHSAS 18001

Occupational Health and Safety Assessment Series



Brookhaven National Laboratory is dedicated to providing a healthy and safe work environment for employees, contractors and visitors. To help achieve this goal, the OHSAS 18001 (Occupational Health and Safety Assessment Series) specifications have been used to develop a comprehensive Occupational Safety and Health (OSH) management system, a vital part of an Integrated Safety Management (ISM) program. BNL is committed to achieve OHSAS registration for all operations as a primary mechanism to eliminate or minimize OSH risks in BNL activities.

BNL's commitment is to implement, maintain and continually improve an OSH management system that:

- ⊙ Clearly states occupational health and safety policies, programs and objectives appropriate for BNL operations,
- ⊙ Identifies occupational health and safety risks and legal requirements,
- ⊙ Takes a proactive approach to occupational health and safety risks and involves employees in the development and implementation of procedures,
- ⊙ Controls or eliminates risks to prevent accidents,
- ⊙ Monitors occupational health and safety system performance, and
- ⊙ Ensures continual reviews, evaluation, and improvement of the system.

### [NSF Registration Scope](#)

OHSAS 18001 has been developed to be compatible with the ISO 14001 Environmental Management System standard to facilitate the integration of environmental and occupational health and safety management systems. Like ISO 14001, OHSAS 18001 consists of six sections:

- General Requirements,
- [OH&S Policy](#),
- [Planning](#),
- [Implementation and Operation](#),
- [Checking and Corrective Action](#), and
- [Management Review](#).

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## A. Policy

[Environmental, Safety, Security, and Health Policy](#) [\(link to online policy\)](#) [\(pdf version\)](#)

### [SBMS Interim Procedures](#) [SBMS Hierarchy](#) , [SBMS Overview](#)

Summary: SBMS is a web-based electronic delivery system for Laboratory Level requirements. It is: tailored to specific needs and audiences; a methodology for involving workers in requirements development; a management system; and a tool to translate Orders into Laboratory requirements.

[BNL OSH Management System Description](#)

[BNL OSH Program Description](#)

[Facility Risk Assessments Procedure](#)  
[Job Risk Assessments Procedure](#)  
[Legal and Other Requirements](#)  
[Change Management Checklist](#)  
[18001 Audit Checklist](#)

[Documenting OSH Management System Objectives/Targets and OSH Management Plans](#)  
[Integrated Management Review](#)  
[OSH Consultation and Communication](#)

[Lab Level Gap Analysis](#)

[Crosswalk between OHSAS 18001 Guidelines and SBMS](#)

[OSH-Related Hazard and Risk Assessments for OHSAS 18001 Participating Organization](#)

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## B. Planning

### OHS Management Programs

[Emergency Response Services Management System](#)  
[Environmental Management System](#)  
[Facility Safety Management System](#)  
[Hazardous Material Transportation Safety Management System](#)  
[Integrated Assessment Program Management System](#)  
[Occupational Medicine Management System](#)

[Quality Management System](#)  
[Radiological Control Management System](#)  
[Safeguards & Security Management System](#)  
[Training & Qualifications Management System](#)  
[Work Planning & Control Management System](#)  
[Worker Safety & Health Management System](#)

### Occupational Health & Safety Management System Documentation of BNL Organizations

[Management System Description Occupational Health and Safety \(OHS\) Pilot Program for OHSAS 18001](#)

*Phase 1 & 2*

[Basic Energy Science Directorate](#)

[Collider Accelerator Department and Superconducting Magnet Division](#)

[ESH&Q Directorate](#)  
[Facility & Operations Directorate](#)  
[Instrumentation Division](#)  
[National Synchrotron Light Source](#)  
[Physics Department PO-OHS-01](#)

*Phase 3*

[EENS Directorate](#)  
[ESH&Q Directorate](#)  
[Life Science Directorate](#)  
[Balance of Plant Organizations](#)

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## C. Implementation & Operation

### Structure and Responsibility

[Roles, Responsibilities, Accountabilities and Authorities \(R2A2s\)](#) for 18001

### Training, Awareness and Competence

[Occupational Health & Safety Training](#) web site

### Communications

[Internal Communications Management System](#)  
[ES&H Monthly Summary](#) (on-site only)  
[External Communications Management System OSH Consultation and Communication](#)  
[Safety Solutions \(S2\) Program](#)  
[Community Involvement in Laboratory Decision Making Subject Area](#)

### Document Control

[SBMS Internal Controlled Documents Subject Area](#)  
[Site Level Guidance on OSH Document and Records](#)

### Operational Control: Facility, Area, and Job Risk Assessments

BNL Site Level JRA	<a href="#">Driving (draft)</a>	<a href="#">Walking</a>	<a href="#">Manual Material Handling</a>
	<a href="#">Bicycling</a>	<a href="#">Office Work</a>	<a href="#">Electrical Safety</a>

### High Energy Nuclear Physics Directorate

Collider Accelerator Department and Superconducting Magnet Division:	<a href="#">JRAs</a>	<a href="#">FRAs and ARAs</a>	<a href="#">CAD Procedures</a>
Physics Department:	<a href="#">JRAs</a>	<a href="#">FRAs</a>	<a href="#">Experimental Safety Reviews</a>
Instrumentation Division:	<a href="#">JRAs</a>	<a href="#">FRAs</a>	<a href="#">Activity Safety Reviews</a>

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<b>Facility &amp; Operations Directorate: EP &amp; CFS</b>	<a href="#">F&amp;O General FRAs</a>	<a href="#">F&amp;O Procedures</a>
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### Staff Services

Plant Engineering:	<a href="#">JRAs</a>	<a href="#">FRAs</a>	<a href="#">EP Procedures</a>
Central Fabrication:	<a href="#">JRAs</a>	<a href="#">FRAs</a>	<a href="#">CF Procedures</a>
Staff Services:	<a href="#">JRAs</a>	<a href="#">FRAs</a>	

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### Basic Energy Science Directorate

Chemistry Department:	<a href="#">JRAs</a>	<a href="#">FRAs</a>	<a href="#">Experimental Safety Reviews</a>
Material Sciences Department:	<a href="#">JRAs</a>	<a href="#">ARAs and FRAs</a>	Exp Safety Reviews (not on-line)

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### Environmental Safety and Health Directorate

Environmental & Waste Management Services Division	<a href="#">JRAs</a>	<a href="#">FRAs</a>	<a href="#">ES Procedures</a> <a href="#">WM Procedures</a> (on-site only)
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### Light Sources Directorate

National Synchrotron Light Source:	<a href="#">JRAs</a>	<a href="#">FRAs</a>	<a href="#">Worker Qualification Matrix</a>
		<a href="#">Work Planning</a>	<a href="#">Exp Safety Reviews</a>
		<a href="#">NSLS ESH Policy &amp; Requirement Manual</a>	

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### Life Sciences Directorate

	<a href="#">JRAs</a>	<a href="#">FRAs</a>	<a href="#">Experimental Safety Reviews</a>
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## Emergency Preparedness and Response

[Building Manager R2A2 Agent Role](#)

[Local Emergency Coordinator R2A2 agent role](#)

[Emergency Response Procedures](#)

[Procedure for Oil/Chemical Spill Emergency Response RP-SOP-202](#) (on-site only)

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## D. Checking and Corrective Action

### Monitoring and Measurement

#### Targets & Objectives

BNL Site Level OSH Objectives

[FY05](#)

[FY06](#)

Line organization Self Assessment Plans & Objectives

[BES Directorate](#)

[CAD Plan](#)

[Instrumentation Division](#)

[Physics Dept](#)

[Facility & Operations Targets & Objectives](#)

[ESH&Q Directorate](#)

[Superconducting Magnet Division](#)

[Light Source](#)

F&O Self Assessment Program

## **Nonconformance and Corrective and Preventative Action**

[BNL Lessons Learned Program](#)

[Correspondence and Commitment Tracking System \(CCTS\)](#)

[Assessment Tracking System](#)

[Corrective and Preventative Action](#) Subject Area

[Critiques](#) Subject Area

[Lessons Learned](#) Subject Area

[Nonconformance](#) Subject Area

[Occurrence Reporting and Processing System \(ORPS\)](#) Subject area

[Investigations of Incidents, and Injuries](#) Subject Area

[Radiological Awareness Report](#) Subject Area

[SBMS Office Web Trend Reports](#)

## **Records**

[SBMS Records Management Procedure](#)

[BNL Site Specific Records Retention Schedule](#)

[Site Level Guidance on OSH Document and Records](#)

## **OHS Management System Audits**

[18001 Audit Checklist](#)

2003 Internal Audits: [CAD](#)

2004 Internal Audits: [CAD](#)

[F&O Phase 1](#) [Phase II](#)

2005 Internal Audits: [Schedule](#)

[Audit of Internal Audits](#)

[CAD](#)

[F&O Part 1](#) [Part 2](#)

[Basic Energy Science Part 1](#) [Part 2](#)

[NSLS Part1](#) [Part 2](#)

[Instrumentation Division Part 1](#) [Part2](#)

[EWMSD Part 1](#) [Part 2](#)

[Physics Part 1](#) [Part 2](#)

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## E. OHS Management Reviews



[Integrated Assessment Program Management System](#)

[Integrated Assessment](#) Subject Area

### Management Review

BNL Site Level Management Review

[2004 F&O Minutes](#) [2004 F&O Presentation](#)

2005

### Line Organizations Management Reviews

F&O	<a href="#">2004</a>	<a href="#">2005</a>
CAD & Magnet	<a href="#">2004</a>	<a href="#">2005</a>
Basic Energy Sciences	---	<a href="#">2005</a>
NSLS	---	<a href="#">2005</a>
EWMSD	---	<a href="#">2005</a>
Physics	---	<a href="#">2005</a>
Instrumentation	---	<a href="#">2005</a>



Last Modified: November 15, 2005

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