BNL Lessons Learned Re-design 2005
"Raising the Bar"

ESH Coordinators Meeting

Presented by Ed Sierra
Laboratory Lessons Learned Coordinator
December 7, 2005

Quality Management Office

Agenda

- What is a Lessons Learned?
- LL Re-design 2005
- Path Forward

What is a "Lesson Learned"?

- A lesson learned is the knowledge acquired from an innovation or an adverse experience that *causes a* worker or an organization to improve a process or activity, to work safer, more efficiently, or with higher quality. In short, a change in behavior occurs.

- ISM Core Function 5 (Provide Feedback & Cont Improvement)

2005 LL Re-design Project Goals

- Increase the publication rate of LL Communications
  - Create a “Submit a Lessons Learned” web application for LL authors
- Prompt/capture feedback of published LL Communications
  - Will adopt
  - Distributed for Information
  - Not applicable
  - Previously adopted
  - Reading for Interest only
  - Under investigation
- Encourage staff to subscribe to Lessons Learned by providing links to BNL and DOE subscription services in the LL subject area

SBMS, Standards-Based Management System - Microsoft Internet Explorer

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Standards-Based Management System (SBMS)

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Site Details

- Updates to SBMS
- Subscription Service for Change Notification
- Tools for Managing Requirements
- Product Development
- Frequently Asked Questions

Laboratory-Wide Information

- Facility Use Agreements
- Lessons Learned
- Management Systems
- Program Descriptions
- Standards of Performance
- Laboratory Organization Chart

Welcome to SBMS

SBMS delivers Lab-wide policies and procedures that BNL needs to support a compliant requirements management program.

Search Titles by Alphabetical Listing:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Browse Titles

A

- Accelerator Safety
- ALARA Program
- Asbestos

B

- Badges, Passes, & Vehicle ID
- Beryllium
- Bioassay Requirements for Rad Work
- Biosafety in Research
- Bloodborne Pathogens

N

- Natural Hazards in the Environment
- NEPA & Cultural Resource Evaluation
- Noise and Hearing
- Non-Radioactive Airborne Emissions
- Nonconformances
- Nuclear/Criticality Safety

O

- ODH Classification/Controls
- Official Foreign Travel

Local intranet

Start Desktop 2:27 PM

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Address https://sbms.bnl.gov/sbmsearch/ll/llmain.cfm?CFID=101141&CFTOKEN=15083793

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Laboratory-Wide Information

- Facility Use Agreements
- Lessons Learned
- Management Systems
- Program Descriptions
- Standards of Performance
- Laboratory Organization Chart
- BNL Policies
- BNL Mission and Vision

Lessons Learned

Submit a Lessons Learned

The purpose of Lessons Learned is to share information based on experience to promo
improvement in business and work practices. For more information, see the Lessons Le
Instructions, Lessons Learned Subject Area, or the Lessons Learned Incentive Program
external Lessons Learned links, see the following:
DOE Corporate Operating Experience (OE) Program, DOE Lessons Learned Links, DOE C
Learned Collection, and AIHA Laboratory Health & Safety Committee.

Work/Function Major Bins:

- Alternate Fuels
- Authorization Basis
- Business & Support
- Conduct of Operations (C.O.O.):
  - C.O.O., Configuration Management
  - C.O.O., General
  - C.O.O., Lock & Tag
  - C.O.O., Procedure Following
  - C.O.O., Procedure Writing
  - C.O.O., Work Control

Priority Descriptor (PD):

XML RSS PD, Yellow, Caution (Po
Conditions)
XML RSS PD, Green, Good work p
promoting or producing positive proven
XML RSS PD, Blue, Information (F
interest to others)
XML RSS PD, RED, Urgent (Actua

Hazard Bins:

Confined Space

Add a New Lessons Learned - Microsoft Internet Explorer

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Address https://sbms.bnl.gov/authusers/lessonslearned/createnewlesson.cfm?action=A&author=21299 Go

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Use this form to submit a new Lessons Learned

Important Note: All fields are required, if no information is available for a field please specify 'N/A' for that field.

Lessons Learned Title: *Short & meaningful*	
Lessons Learned POC: *Life number for the Point of Contact for this Lessons Learned*	Find Employee
Effective Date:	
Identifier: *Organizational Unit letter*	

Welcome to the Lessons Learned Submission section

Submit a Lessons Learned | Manage Comments

	Pending: Lesson Learned has not been submitted to Coordinator.
	Draft: Lesson Learned has been submitted to Coordinator, but has not been locked.
	Locked: Lesson Learned has been accepted by Coordinator, and is locked.
	Published: Lesson Learned has been published, and is live on SBMS.

Title	Status	Action
Loose Inner Electrical Panel Cover Results in Sparking When Outer Door Opened	published	View | edit | delete
Potential Failure of Certain High Pressure Gas Cylinder Valves - Type CGA 580	published	View | edit | delete
"Defense in Depth" Provides Successful Fire Safety at High		

Color blocks help identify work flow status

Aging Facility Issues	published	View | edit | delete
ALARA Good Work Practices	published	View | edit | delete
Excessive Noise	pending	View | edit | delete
Back Injury Sustained Due to Lanyard Breakaway Feature Failure	published	View | edit | delete
Battery Compartment Ribbon Cable Insulation Wear Results in Siemens Alkaline Battery Powered Mark 2.2 Electronic Dosimeter Failures	published	View | edit | delete

Combined Asbestos and Radiological Workplace Hazards Present Unique Challenges

- **Originator:** Brookhaven National Laboratory
  Radiological Control Division
- **Date:** 12/2/2005 **Contact:** Dennis Ryan - (631) 344-5528, dryan@bnl.gov
- **LL Statement:** Work planning for jobs where asbestos and dispersible radioactivity coexist need to consider limitations on oversight capabilities of the Radiological Control Technician assigned job coverage if he or she does not possess the necessary asbestos qualifications to enter the work area.

Edit/View/Delete Lessons Learned Comment(s) - Microsoft Internet Explorer

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Edit/View/Delete Lessons Learned Comment(s)

Sorted by FB.datestamp desc

Click on any underlined column heading to sort by that column

Lesson Learned Title	FName	LName	Action		Date Submitted	Reason for Reading	Comments	Edited	Edited Date
Hazards of Magnetic Fields on Ferromagnetic Equipment	Philip	Harrington	View/Edit	Delete	09/14/2005	Will adopt			
Electrical Utility Conduit Strike	Steven	Coleman	View/Edit	Delete	09/07/2005	Reading for interest only			
A Team Risk/Hazard Analysis Approach to Effective Facility Decommissioning	Steven	Coleman	View/Edit	Delete	08/26/2005	Previously adopted			
Electrical Utility Conduit Strike	Steven	Coleman	View/Edit	Delete	08/26/2005	Reading for interest only			
BNL Radiological Work Permit Required During Radiographic Examination of Welds	Steven	Coleman	View/Edit	Delete	08/26/2005	Reading for interest only			
Electrical Intrusion Events	Steven	Coleman	View/Edit	Delete	08/26/2005	Reading for interest only			
Electrical Shock From Heat Tape Used in Cryogenic Application	Courtney	Patterson	View/Edit	Delete	08/24/2005	Will adopt	Will adopt this into our process!		
Damaged Trailer Allowed Access to Brookhaven National Laboratory	Andrew	Mc Nerney	View/Edit	Delete	08/24/2005	Reading for interest only			

In Search of World Class!

- Auto deliver LL during work planning
  - Integrate with the Hazard Identification Tool
- Continue to Advertise LL Re-design

LL & Work Planning

- "In planning for the upcoming Fuel Coupon Transfer in Building 865, I have done an extensive review of BNL and DOE Lessons Learned (LL) for similar work."

  - Pat Sullivan (RCD), 12/01/05

In Summary!

- What is a Lessons Learned?
- LL Re-design 2005
- Path Forward