Noise Hazard Assessment and Control

Brief

<table>
<thead>
<tr>
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<td>Publication date:</td>
<td>6/18/2013</td>
</tr>
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BRIEF

Policy Summary

The Noise Hazard Assessment and Control Program at Berkeley Lab ensures personnel are protected from noise hazards by:

- Evaluating potential noise hazards
- Implementing noise-reduction controls where feasible and providing hearing protection
- Performing periodic hearing examinations
- Providing hearing-protection training and
- Identifying high-noise areas with signage

Who Should Read This Policy

Berkeley Lab employees, visitors, affiliates, and subcontractors who could be performing work in or around high-noise sources

To Read the Full Policy, Go To:

The POLICY tab on this wiki page

To Read the ES&H Program Details, Go To:

http://www.lbl.gov/ehs/pub3000/CH39.html

Contact Information

Noise/Hearing Conservation Subject Matter Expert
Industrial Hygiene Group
EHSS Division

Policy

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POLICY

A. Purpose

The Noise Hazard Assessment and Control Program at Berkeley Lab ensures personnel are protected from noise hazards by:

- Evaluating potential noise hazards
- Implementing noise-reduction controls where feasible and providing hearing protection
- Performing periodic hearing examinations
- Providing hearing-protection training and
- Identifying high-noise areas with signage
B. Persons Affected

Berkeley Lab employees, visitors, affiliates, and subcontractors who could be performing work in or around high-noise sources

C. Exceptions

Not applicable

D. Policy Statement

It is the policy of Lawrence Berkeley National Laboratory (Berkeley Lab) to maintain work environments that will not adversely affect the health, safety, and well-being of Berkeley Lab workers. Other on-site workers such as construction contractors are required to have similar programs to protect their employees.

The Berkeley Lab Noise Hazard Assessment and Control Program requires the use of engineering controls, administrative controls, and personal protective equipment to maintain employees’ occupational noise-exposure levels below the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV); and requires compliance with Occupational Safety and Health Administration federal regulatory requirements. Employees exposed to noise levels at or above the ACGIH TLV will be enrolled in the Noise Hazard Assessment and Control Program.

E. Roles and Responsibilities

<table>
<thead>
<tr>
<th>Role</th>
<th>Responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workers</td>
<td>Request an exposure assessment when a concern is present regarding potential noise exposure, and follow all guidance provided in training and work processes to evaluate and control exposures</td>
</tr>
<tr>
<td>Supervisors and Work Leads</td>
<td>Request an exposure assessment when a concern is present regarding potential exposure; and ensure that persons within their areas of responsibility comply with this policy and its implementing documents, and have completed the required training prior to beginning work</td>
</tr>
<tr>
<td>Industrial Hygienist</td>
<td>Facilitates appropriate noise surveys and/or sampling</td>
</tr>
<tr>
<td>Health Services</td>
<td>Provides audiometric testing and maintains enrollment in the Noise Hazard Assessment and Control Program</td>
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</table>

F. Definitions/Acronyms

See the ES&H Manual *Noise Hazard Assessment and Control program* for technical terms related to the details of this policy and its implementation.

<table>
<thead>
<tr>
<th>Term</th>
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<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
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<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>Exposure Assessment</td>
<td>The process of defining exposure profiles and judging the acceptability of workplace exposures to environmental agents. These assessments may be quantitative, semi-quantitative, or qualitative. These assessments are generally conducted by an EHSS professional, which may include industrial hygienists or safety engineers. These assessments may be conducted for representative employees and are not required to be conducted for each individual. In all cases, employees have full access to exposure monitoring information, including situations where an individual's exposure is not monitored.</td>
</tr>
<tr>
<td>Threshold Limit Value (TLV)</td>
<td>TLVs for noise refer to sound pressure levels and durations of exposure to which nearly all workers may be repeatedly exposed without adverse effect. These values are developed and published by the American Conference of Governmental Industrial Hygienists (ACGIH).</td>
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</table>

G. Recordkeeping Requirements

EHSS is responsible for keeping records of the following:

- Job Hazard Analysis
H. Implementing Documents

<table>
<thead>
<tr>
<th>Document number</th>
<th>Title</th>
<th>Type</th>
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<tbody>
<tr>
<td>07.07.022.001</td>
<td>Noise Hazard Assessment and Control</td>
<td>Program</td>
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<tr>
<td>07.07.022.002</td>
<td>Work Process A, General Requirements</td>
<td>Process</td>
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<td>Work Process B, Noise Monitoring and Hazard Assessment</td>
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<tr>
<td>07.07.022.005</td>
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<td>Process</td>
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<tr>
<td>07.07.022.006</td>
<td>Work Process E, Audiometric Testing and Hearing Conservation Training</td>
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I. Contact Information

Noise/Hearing Conservation Subject Matter Expert
Industrial Hygiene Group
EHSS Division

J. Revision History

<table>
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<tr>
<th>Date</th>
<th>Revision</th>
<th>By whom</th>
<th>Revision Description</th>
<th>Section(s) affected</th>
<th>Change Type</th>
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<tr>
<td>1/2/2012</td>
<td>0</td>
<td>H. Toor</td>
<td>Rewrite for wiki (brief)</td>
<td>All</td>
<td>Minor</td>
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Document Information

DOCUMENT INFORMATION

| Title:                  | Noise Hazard Assessment and Control |
| Document number:       | 07.07.022.000                        |
| Revision number:       | 1                                    |
| Publication date:      | 6/18/2013                            |
| Effective date:        | 4/4/2013                             |
| Next review date:      | 4/4/2016                             |
| Policy Area:           | Industrial Hygiene and Safety        |
| RPM Section (home):    | ESH                                  |
| RPM Section (cross-reference): | None                              |
| Functional Division:   | EHSS                                 |
| Prior reference information (optional): | PUB-3000 Section 4.5 moved to Chapter 39 |

Source Requirements Documents

- 29 CFR 1910.95, *Occupational Noise Exposure*
- 10 CFR 851.23(10), DOE Worker Safety and Health Program Implementing Documents
- LBNL/PUB-3851, *Worker Safety and Health Program*
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