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| BROOKHAVEN NATIONAL LABORATORY Safety & Health Services Division | NUMBER IH96100 |
| | REVISION FINAL rev 2 |
| Subject: BNL Noise & Hearing Conservation Program Overview: Service Delivery by BNL Organizations | DATE 02/25/08 |
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**Noise and Hearing Conservation
Program
Service Delivery**

1.0 Purpose & Scope

Purpose: This procedure describes the overall scope of the BNL Noise and Hearing Conservation (NHC) program and identifies the specific role(s) of each BNL organization in the program. This document assists management in developing, implementing and coordinating an effective Noise and Hearing Conservation program that, as a minimum, complies with OSHA 29CFR1910.95 and [10CFR851](#).

The BNL Noise and Hearing Conservation program is implemented through a matrix of several BNL organizations. Members of the following organizations perform one or more roles in the BNL NHC program:

- ESH&Q Office of Training and Qualification,
- Occupational Medicine Clinic, Plant Engineering Division,
- Procurement and Properties Management Division,
- Radiological Control Division- Facility Support Group,
- Safety and Health Services Division- Industrial Hygiene Group, and
- Safety and Health Services Division- Safety Engineering Group.

2.0 Responsibilities

- 2.1 Each organization that has a role in the BNL NHC Program is responsible to:
 - 2.1.1 Conduct their operations in accordance with the BNL Standards and Procedures, OSHA and DOE drivers,

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- 2.1.2 Qualify their employees to conduct their assigned tasks (as appropriate),
- 2.1.3 Maintain documentation of procedures and other records (as appropriate),
- 2.1.4 Advise the *NHC Administrator* of the status of their elements of the program when requested.

3.0 Definitions

- 3.1 *Noise and Hearing Conservation Program Administrator*: A person, designated by the SHSD Industrial Hygiene Group Leader, to oversee the status of compliance with the DOE and OSHA regulations on noise and hearing conservation program for BNL as a whole.

4.0 Prerequisites

none

5.0 Precautions

none

6.0 Procedure (Program Elements)

- 6.1 **BNL Program Overview**: *Table 6.1* defines the major roles of each organization assisting in the delivery of services within the BNL Noise and Hearing Conservation Program.

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Table 6.1

| Organization Unit | Primary Role(s) |
|--|--|
| SHSD Industrial Hygiene Group | Serve as NHC Program Administration & SBMS Subject Matter Expert. |
| | Conduct periodic Regulatory Driver tracking. |
| | Perform periodic BNL Program Self Assessment. |
| | Prepare Standard Operating Procedures for Hazard Assessment and Exposure Monitoring. |
| | Conduct <i>routine and advanced (complex) noise surveys.</i> |
| | <i>Recommend Engineering & Administrative Controls and PPE.</i> |
| | <i>Notify OMC of employees whose exposure exceeds the OSHA/ACGIH action level.</i> |
| | <i>Verify occupational exposure link to observed hearing loss.</i> |
| | Calibrate and Maintain Exposure Monitoring Equipment. |
| | Maintain <i>and enter data into</i> an Exposure Monitoring Record database. |
| | Review Training curriculum material. |
| | Perform Project Design Reviews for Noise impact on workers. |
| SHSD Safety Engineering Group | Administer Worker Compensation NHC cases. |
| | Administer the Project Design Review Program. |
| Radiological Control Division Facility Support Group | Conduct Hazard Assessments of workplaces. |
| | Perform Routine Exposure Monitoring of workplaces and employees. |
| | Identify the need for advanced (complex) noise surveys. |
| | <i>Enter monitoring data into the Exposure Monitoring Record database.</i> |
| | <i>Recommend Engineering & Administrative Controls and PPE.</i> |
| <i>Notify OMC of employees whose exposure exceeds the OSHA/ACGIH action level.</i> | |
| Occupational Medicine Clinic | Conduct Audiometric Testing of Identified Employees. |
| | Perform Medical Surveillance of Impacted Employees. |
| | Maintain records of medical evaluations. |
| Office of Training and Qualification | Development Training Curriculum. |
| | Train Workers. |

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| Organization Unit | Primary Role(s) |
|-------------------------------------|---|
| | Determine frequency of courses and schedule workers for training. Maintain records of training. |
| Procurement and Property Management | Maintain a stock inventory and/or ordering system for Personal Protection Devices including earmuffs and ear plugs. |
| Plant Engineering | Design, install, and maintain Engineering Control recommendations. |

7.0 Implementation & Training Each organization that has a role in the BNL NHC Program is responsible to:

- 7.1 Qualify their employees to conduct their assigned tasks (as appropriate),
- 7.2 Maintain documentation of procedures and other records (as appropriate),

8.0 References

- 8.1 BNL SBMS Subject Area *Noise and Hearing Conservation*
- 8.2 *29CFR1910.95 OSHA Occupational Noise Exposure Standard*
- 8.3 *10CFR851.*

9.0 Attachments None

10.0 Documentation

| Document Development and Revision Control Tracking | | |
|--|--|---|
| Prepared By: <i>(signature/date on file)</i> R. Selvey 04/22/01 Industrial Hygiene Group Leader | Reviewed By / Date: <i>(signature/date on file)</i> T. Monahan 04/26/01 Safety Engineering Group Leader | Approved By / Date: <i>(signature/date on file)</i> O. White 04/27/01 SHSD Manager |
| ESH Coordinator/ Date: <i>none</i> | Work Coordinator/ Date: <i>none</i> | SHSD Manager / Date <i>none</i> |
| QA Representative / Date: <i>none</i> | Training Coordinator / Date: <i>none</i> | Filing Code: IH52 |

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| Facility Support Rep. / Date: <i>none</i> | Environ. Compliance Rep. / Date: <i>none</i> | Effective Date: 05/30/01 |
| ISM Review - Hazard Categorization <input type="checkbox"/> High <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Low/Skill of the craft | Validation: <input type="checkbox"/> Formal Walkthrough <input type="checkbox"/> Desk Top Review <input type="checkbox"/> SME Review Name / Date: | Implementation: Training Completed: n/a Procedure posted on Web: 02/25/08 Hard Copy files updated: 02/25/08 Document Control on forms: n/a |

| Organization Concurrence | | |
|--|--|-------------------|
| Department/Division | Name/Date | Title |
| Radiological Control Division Facility Support Group | <i>(concurrence e-mail on file)</i> Steve Layendecker 05/29/01 | Manager |
| Occupational Medicine Clinic | <i>(concurrence e-mail on file)</i> Bryce Breitenstein 05/29/01 | Manager |
| Office of Training and Qualification | <i>(signature on file)</i> Beth Schwaner 04/29/01 | Manager |
| Procurement and Properties Management | <i>(concurrence by phone)</i> Dave Dale, Ron Ondrovic 04/29/01 | Assistant Manager |
| Plant Engineering | <i>(concurrence e-mail on file)</i> Martin Fallier 05/29/01 | Manager |

| Revision Log | | |
|---|--------------------|--------------------|
| Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input checked="" type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Update format to section 7 on training. Revised references to SBMS Subject Area. | | |
| R. Selvey 04/07/04 <i>(signature on file)</i> SME Reviewer/Date: | Reviewer/Date: | Reviewer/Date: |
| Purpose: <input type="checkbox"/> Temporary Change <input type="checkbox"/> Change in Scope <input checked="" type="checkbox"/> Periodic review <input type="checkbox"/> Clarify/enhance procedural controls Changed resulting from: <input type="checkbox"/> Environmental impacts <input type="checkbox"/> Federal, State and/or Local requirements <input type="checkbox"/> Corrective/preventive actions to non-conformances <input checked="" type="checkbox"/> none of the above Section/page and Description of change: Updated references from DOE O440.1A to 10CFR851. Minor text changes throughout the document (marked). Changes in Table 6.1 to reflect expanded role of SHSD S&H Reps in field sampling and RCD Facility Support in data entry of their sampling. | | |
| R. Selvey 02/25/08 <i>(signature on file)</i> SME Reviewer/Date: | SME Reviewer/Date: | SME Reviewer/Date: |