

ENVIRONMENTAL MANAGEMENT PROGRAM

1. PROGRAM NAME: NIEHS Asbestos Program

2. Significant Environmental Aspect(s):

Toxic Releases
Solid Waste
Construction Waste

3. Document Control Code: EMP-2007-Asbestos

4. Date: 11/23/2007

5. Program Lead: HSB, Valeria Shropshire, CIH; Chris Hunt, CIH

6. Goals and Objectives

Five-year Goals(s)	Annual Objective(s)	Performance Indicator(s)	Resource requirements
Depending on funds availability, abate 50% of asbestos containing material (ACM) remaining in NIEHS mechanical areas. HSB has prioritized ACM areas in need of abatement and submitted the list to ORF/NIH.	Maintain compliance with OSHA and EPA regulations	95 % of asbestos containing materials removed from module "C" basement interstitial area during October/November 2007.	Dependent on funds availability, removal work handled through contract
	Evaluate all construction and renovation projects for potential ACM disturbance		Current resources

7. Reason(s) for Significance:

Potential human health impact
Legal and regulatory requirements

8. Potential Environmental Impacts:

Possible ACM fiber release to air

9. Legal and Other Requirements (Specify):

Federal – OSHA and EPA regulations
State – North Carolina

10. Program Description:

This program controls and abates threats to human health from friable asbestos, and ensures proper management of asbestos containing materials (ACM)

during removal and disposal. Asbestos has been used in over 3,600 commercial and industrial products in the United States. In 1970 asbestos was banned from use in building materials, but is still legal for other applications such as brake shoes, gaskets, and textiles. In 2002-2003, a comprehensive survey was performed of all NIEHS main campus mechanical systems and spaces. Limited amounts of ACM were identified in several locations, primarily associated with mastic compounds used on piping and air distribution systems. The disturbance of ACM can potentially release fibers into the air during routine maintenance, repair and renovation activities involving these systems. The NIEHS has implemented an Asbestos Operations and Maintenance (O&M) Plan that requires periodic facility re-surveys, asbestos awareness training, project review and specific safety procedures for all demolition and renovation activities involving ACM.

11. Operational Controls

Activities that gives rise to aspect	Control(s)	Responsible Person(s)	Monitoring	Records	Comments
Renovation, maintenance and repair of systems involving ACM	All projects are reviewed for the presence of ACM and application of the NIEHS Asbestos Operations & Maintenance Program procedures	HSB Asbestos Program Manager; HSB Safety Officer NIH/ORF project officers	Annual re-survey of all ACM; Contract SOW reviews for abatement projects; Post project inspections; Personal air monitoring ; Bulk material samples for ACM	Facility surveys; Photographic documentation; Personal and bulk sample analysis results	
All repair and improvement projects	Review of new building materials, compounds, sealers, etc, to verify materials are asbestos-free	HSB Asbestos Program Manager; HSB Safety Officer; NIH/ORF project officers	Bulk material samples for ACM (as necessary)	MSDSs Product specification sheets	
Disposal of ACM	Contract SOW requirements for proper disposal	HSB Hazardous Waste Manager; NIH/ORF project officers			
NIEHS employees	Lessor requirements	Space Management			

occupying leased space	regarding ACM	Specialist			
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12. Action Plan: Structure, Authorities, Responsibilities

Targets/Milestones to meet Annual Objective(s)	Timeframe	Responsibility
Annual re-inspection of all systems / areas with ACM	Annual	Industrial Hygienists / HSB
Update asbestos tracking database	Annual	Industrial Hygienists / HSB
Review / update Asbestos O&M Plan	Annual	Industrial Hygienists / HSB

13. Relevant Document(s)

Document Name	Location	Document Custodian
NIEHS Health & Safety Manual / Asbestos Sections	Web-based	Industrial Hygienists / HSB
NIEHS Asbestos Fact Sheets	Web-based	Industrial Hygienists / HSB
NIEHS Asbestos database	Electronic	Industrial Hygienists / HSB

14. Competence of persons responsible

Title	Basis for Competence
Asbestos Program Manager	Professional education & experience, Annual Asbestos Supervisor training
HSB industrial hygienists	Professional education & experience, Annual Asbestos Supervisor training
Facility maintenance staff	Job-related experience; Annual Asbestos O&M training

15. EMS Review

Name / Signature:	William K. Steinmetz
Date:	November 29, 2007