

HDNS# **TPD-0019 Rev 2**

TRAINING PROGRAM DESCRIPTION TITLE:
ASBESTOS EXPOSURE

REVISION: **2**

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TRAINING PROGRAM DESCRIPTION

TPD-0019

ASBESTOS EXPOSURE

Revision 2

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Technical Authority Approval: David Newman Date: 3/26/13
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Responsible Manager Approval: Stan W. Scott Date: 3/27/13
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HAMMER/Hanford Training
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Revision Status

Rev No.	Description
Rev. 0	New Training Program Description.
Rev. 1	Update revised for new requirements.
Rev. 2	Update for new requirements.

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Asbestos Exposure

1.0 PURPOSE

This document describes how the asbestos training requirements specified in MSC-RD-15097, *Asbestos Control - Construction Industry*, and MSC—RD-15245, *Asbestos Control - General Industry*, are implemented on the Hanford Site.

2.0 SCOPE

This program is applicable to Hanford employees who:

- Have an increased potential for exposure to an asbestos hazard by working in facilities containing asbestos-containing materials, and/or
- Remove, repair, maintain or otherwise directly handle asbestos-containing materials, and/or
- Design asbestos abatement projects, and/or
- Inspect public or commercial buildings for asbestos-containing building material, and/or
- Supervise individuals who are responsible for conducting the above activities.

Note: For the purposes of this TPD, "supervise" means those employees who serve or function as asbestos "competent persons", as that term is defined in 29CFR 1926.1101 and MSC-RD-15097, *Asbestos Control-Construction Industry*.

3.0 Initial Training

Individuals must complete the required training and medical surveillance prior to performing work activities related to asbestos hazards.

3.1 INITIAL ASBESTOS WORKER TRAINING

MSC-RD-15097, *Asbestos Control- Construction Industry* defines four asbestos work classifications as described in the table below.

Category	Description
Class I Asbestos Work	Activities involving removal of thermal system insulation ¹ (TSI) and surfacing Asbestos-Containing Material (ACM) or Presumed Asbestos-Containing Material (PACM).
Class II Asbestos Work	Activities involving removal of ACM or PACM that is not TSI or surfacing material ² (SM). This includes, but is not

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	limited to, the removal of asbestos-containing wallboard, floor tile and sheeting, roofing and siding shingles, some other roofing material types (Does not cover asbestos-containing roof coatings, cements and mastics. See MSC—RD—15097 for more information.) and construction mastics.
Class III Asbestos Work	Repair and maintenance operations where ACM, including TSI, and surfacing ACM and PACM is likely to be disturbed and the disturbed material fits into a 60-inch glove bag.
Class IV Asbestos Work	Maintenance and custodial activities during which employees contact but do not disturb ACM or PACM, and activities to clean up dust, waste, and debris resulting from Class I, II, and III activities.

¹Thermal System Insulation: ACM insulating materials (generally associated with heating, ventilation, and air condition (HV AC) equipment) that have the purpose of reducing heat gain or loss.

²Surfacing Material: Spray-applied or troweled-on ACM surfacing treatments installed for the purposes of fireproofing, acoustical insulation, or architectural finishes.

3.2 INITIAL ASBESTOS WORKER TRAINING

3.2.1 CLASS I AND CLASS II ASBESTOS WORKER TRAINING

Completion of Course 170055, *Certified Asbestos Worker*, meets the initial training requirements for workers who perform Class I and Class II asbestos work. Course 170055 is a Washington State-approved asbestos worker training course. The State of Washington will issue a Washington State certification card to individuals who successfully complete this training. These cards may or may not be required at Hanford facilities based on contractual requirements. Check with your company's training representative.

3.2.2 CLASS III ASBESTOS WORKER TRAINING

Completion of Course 170056, *Asbestos Operations and Maintenance Training*, meets the initial training requirements for workers who perform Class III asbestos work.

NOTE: Asbestos workers who do Class III but no Class I or Class II asbestos work are adequately trained if they can demonstrate completion of Asbestos Hazard Emergency Response Act (AHERA) Accredited "16 -hour LEA maintenance and custodial staff" training [as required by 40 CFR 763.92 (a)(2)].

Asbestos Exposure**3.2.3 CLASS IV ASBESTOS WORKER AND COVERED CONSTRUCTION AND NON-CONSTRUCTION ASBESTOS WORK ACTIVITIES**

Completion of Course 02006L, *Asbestos Awareness*, meets the initial training requirements for those who perform:

- Class IV asbestos work, and/or
- Housekeeping operations in a building that contains ACM, and/or
- Work covered by OSHA's general industry standard (MSC-RD-15245) for which employees have or are anticipated to have exposures to airborne asbestos concentrations at or above the permissible exposure or excursion limits.

3.2.4 CLASS I AND II ASBESTOS SUPERVISOR TRAINING

Completion of Course 170060, *Certified Asbestos Supervisor*, meets the initial training requirements for individuals who supervise (act as an asbestos competent person) workers performing Class I or Class II asbestos work. Course 170060 is a Washington State-approved asbestos worker training course. The State of Washington will issue a Washington State certification card to individuals who successfully complete this training. These cards may or may not be required at Hanford facilities based on contractual requirements.

3.2.5 CLASS III AND IV ASBESTOS SUPERVISOR TRAINING

Completion of Course 170056, *Asbestos Operations and Maintenance Training*, meets the initial training requirements for individuals who supervise (act as asbestos "competent persons" for) Class III and IV asbestos work.

NOTE: Though completion of Course 170060 is not required for those supervising (acting as an asbestos competent person) Class III or Class IV asbestos work, employees who have completed the higher level of training offered in Course 170060 are qualified to supervise any/all of the four classes of asbestos work.

3.2.6 ASBESTOS HAZARD EMERGENCY RESPONSE ACT CERTIFIED PROJECT DESIGNER

Completion of Course 170579, *AHERA Certified Project Designer*, meets the initial training requirements for individuals who design asbestos abatement projects and response actions.

Asbestos Exposure**3.2.7 AHERA CERTIFIED BUILDING INSPECTOR**

Completion of Course 170609, *AHERA Certified Building Inspector*, meets the initial training requirements for individuals who inspect public or commercial buildings for friable asbestos containing building materials.

3.3 RETRAINING

Asbestos trained individuals must complete retraining within a one-year period after completing their initial training requirements. If the retraining is not completed, the individual is not qualified to perform asbestos work. There are no extensions granted for any of the asbestos courses.

3.3.1 CLASS I AND CLASS II ASBESTOS WORKER RETRAINING

Completion of Course 170057, *Certified Asbestos Worker Refresher*, meets the annual retraining requirements for workers who completed Course 170055. If an individual has not completed required retraining within 180 days after their annual training expiration date, they must retake the initial training course.

Course 170057 is a Washington State-approved asbestos worker retraining course. The State of Washington will issue a Washington State certification card to individuals who successfully complete this retraining. These cards may or may not be required at Hanford facilities based on contractual requirements.

3.3.2 CLASS III ASBESTOS WORKER RETRAINING

Completion of Course 170058, *Asbestos Operations and Maintenance Refresher*, or Course 170057, *Certified Asbestos Worker Refresher*, meets the annual retraining requirements for workers who completed Course 170056. This includes both workers who perform Class III asbestos work and those who supervise workers performing Class III or Class IV asbestos work.

NOTE: Asbestos workers who complete their initial training via completion of AHERA-accredited 16-hour LEA maintenance and custodial staff training, as required by 40 CFR 763.92 (a)(2), must also take either Course 170058 or 170057 annually.

3.3.3 CLASS IV ASBESTOS WORKER/GENERAL EMPLOYEE

Completion of Course 02006L meets the retraining requirements this class of worker.

Asbestos Exposure**3.3.4 CLASS I AND II ASBESTOS SUPERVISOR RETRAINING**

Completion of Course 170062, *Certified Asbestos Supervisor Refresher*, meets the annual retraining requirements for those who supervise workers performing Class I or Class II asbestos work. If an individual has not completed required retraining within 180 days after their annual training expiration date, they must retake the initial training course. Course 170062 is a Washington State-approved asbestos worker retraining course. The State of Washington will issue a Washington State certification card to individuals who successfully complete this retraining. These cards may or may not be required at Hanford facilities based on contractual requirements.

3.3.5 CLASS III AND IV ASBESTOS SUPERVISOR RETRAINING

Completion of Course 170058, *Asbestos Operations and Maintenance Refresher*, or Course 170057, *Certified Asbestos Worker Refresher*, meets the annual retraining requirement for those who supervise workers performing Class III or Class IV asbestos work.

NOTE: Asbestos supervisors who completed their initial training through an AHERA-accredited 16-hour LEA maintenance and custodial staff training as required by 40 CFR 763.92 (a)(2) must also take either Course 170058 or 170057 annually.

3.3.6 AHERA CERTIFIED PROJECT DESIGNER RETRAINING

Completion of Course 170580, *AHERA Certified Project Designer Refresher*, meets the annual retraining requirements for individuals who design asbestos abatement projects and response actions.

If an individual has not completed required retraining within two years after completing their initial (or most recent refresher) training requirements, they must retake the initial training course.

3.3.7 AHERA CERTIFIED BUILDING INSPECTOR RETRAINING

Completion of Course 170610, *AHERA Certified Building Inspector Refresher*, meets the annual retraining requirements for individuals who inspect buildings for friable asbestos-containing materials.

If an individual has not completed required retraining within two years after completing their initial (or most recent refresher) training requirements, they must retake the initial training course.

Asbestos Exposure**3.4 CURRENT ASBESTOS WORKERS MEDICAL PROGRAM**

Prior to the commencement of any Class I, II or III asbestos work activity or any other construction or non-construction work activity that will or is reasonably expected to expose employees to asbestos levels at or above the Permissible Exposure limit (PEL) and/or the Excursion Limit (EL) on any day, line management shall submit an initial or revised Employee Job Task Analysis (EJTA) for each affected employee (**includes Class IV trained individuals working in these areas**) indicating the need for asbestos medical surveillance. See section 2.9 in MSC-RD-15097, *Asbestos Control- Construction Industry* and section 2.9 in MSC-RD-15245, *Asbestos Control General Industry* for further information.

Once the EJTA indicates the need for enrollment in the Current Asbestos Workers Medical Program, the program will trigger the scheduling of an initial asbestos medical examination for the employee. Annual asbestos examinations are automatically scheduled for employees enrolled in the Current Asbestos Workers Medical Program.

3.5 RESPIRATORY PROTECTION FOR ASBESTOS WORK ACTIVITIES

Respiratory protection is required whenever the potential exposure associated with an activity cannot be reduced below the PEL or EL by the use of engineering controls or work practices and when various asbestos work activities are being performed, regardless of expected exposure levels (see requirements statement 2.6.3 in MSC-RD-15097, *Asbestos Control- Construction Industry*).

The respiratory protection required is determined based on the requirements in MSC-RD-15097, section 2.6, *Respiratory Protection* and MSC-RD-15245, section 7, *Respiratory Protection/or Asbestos Work Activities*.

To wear a respirator, the wearer must be medically qualified, fit tested and properly trained, as required by MSC-PR0-120, *Respiratory Protection Program*.

4.0 WASHINGTON STATE CERTIFIED ASBESTOS WORKER CARD

Washington State Certified Asbestos Worker cards are issued by the Washington State Department of Safety and Health to students completing the Certified Asbestos Worker, Certified Asbestos Worker Refresher, Certified Asbestos Supervisor, and Certified Asbestos Supervisor Refresher training courses.

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There are additional requirements for individuals who wish to retain their Washington State certification card. Go to the Washington State Department of Labor and Industry website addressing asbestos:
<http://www.lni.wa.gov/wisha/rules/asbestos/Default.htm>

5.0 REFERENCES

- 29 CFR 1926.1101
- 40 CFR 763.92 (a) (2)
- MSC-RD-15097, *Asbestos Control –Construction Industry*
- MSC-RD-15245, *Asbestos control-General Industry*