

Asbestos Field Guide:

	Class I	Class II	Class III	Class IV
Definition	Removal of thermal system insulation (TSI) and surfacing material (SM) containing > 1% asbestos	Removal of material other than TSI or SM containing > 1% asbestos	Maintenance and repair operations disturbing material containing > 1% asbestos	Housekeeping and custodial cleanup of dust, waste, and debris from Class I, II, or III activities
Regulated Areas	Required (warning signs mandatory)	Required (warning signs mandatory)	Required (warning signs mandatory)	Required (warning signs mandatory)
Competent Person	<ul style="list-style-type: none"> •Must be onsite •Must inspect each workshift •Must attend supervisory training 	<ul style="list-style-type: none"> •Must be onsite •Must inspect often •Must attend supervisory training 	<ul style="list-style-type: none"> •Must be onsite •Must inspect often •Must attend operational and maintenance training 	<ul style="list-style-type: none"> •Must be onsite •Must inspect often •Must attend operational and maintenance training
Air Monitoring	<ul style="list-style-type: none"> •Initial if no negative exposure assessment (NEA) •Daily unless positive pressure mode respirator is used •Additional if conditions change Note: Terminate if < permissible exposure limits (PELs)	<ul style="list-style-type: none"> •Initial if no NEA •Daily unless positive pressure mode respirator is used •Additional if conditions change Note: Terminate if < PELs	<ul style="list-style-type: none"> •Initial if no NEA •Periodic to accurately predict if > PELs •Additional if conditions change Note: Terminate if < PELs	<ul style="list-style-type: none"> •Initial if no NEA •Periodic to accurately predict if > PELs •Additional if conditions change Note: Terminate if < PELs
Medical > Surveillance	Required if Wearing negative- pressure respirator, or > 30 days of work/year	Required if <ul style="list-style-type: none"> •Wearing negative-pressure respirator, or •> 30 days of work/year 	Required if Wearing negative-pressure respirator, or > 30 days of work/year	Required if <ul style="list-style-type: none"> •Wearing negative-pressure respirator, or •> PEL for more than 30 days/year
Respirators	Mandatory for all Class I jobs	Mandatory if <ul style="list-style-type: none"> •Non-intact removal, or •No NEA, or •> PEL, or •Dry removal (except for roofing), or •In emergencies 	Mandatory if <ul style="list-style-type: none"> •No NEA, or •TSI or SM disturbed, or •> PEL, or •Dry removal (except for roofing), or •In emergencies 	Mandatory <ul style="list-style-type: none"> •In regulated area where required, or •If > PEL, or •In emergencies
Protective Clothing and Equipment	Required for all jobs if <ul style="list-style-type: none"> •> 25 linear or 10 square feet of TSI or •SM removal, or •No NEA, or •> PEL 	Required for all jobs if <ul style="list-style-type: none"> •No NEA, or •> PEL 	Required for all jobs if <ul style="list-style-type: none"> •No NEA, or •> PEL 	Required for all jobs if <ul style="list-style-type: none"> •No NEA, or •> PEL
Training	Equivalent to EPA Model Accreditation Plan (MAP) asbestos abatement workers course	Equivalent to MAP course if critical barriers required; otherwise, train on specific work practices and engineering controls that must be used	Equivalent to AHERA course for maintenance and custodial staff	Equivalent to AHERA course for maintenance and custodial staff
Employee and Equipment Decontamination	Required if > 25 linear or 10 square feet TSI or SM removal <ul style="list-style-type: none"> •Full decon unit •Equipment room, shower, and clean room in series connected to the regulated area; other decon facility arrangements are acceptable if the specified series arrangement is not feasible (see 29 CFR Part 1926.1101, Subpart Z) •Lunch areas Note: Must follow detailed decontamination procedures (see 29 CFR Part 1926.1101(j)(1)(iii) If < 25 linear or 10 square feet TSI or SM removal <ul style="list-style-type: none"> •Equipment room/area required •Impermeable drop cloths required •Area must accommodate cleanup •Must decontaminate all personal protective equipment (PPE) •Must enter regulated area through equipment room/decon area No smoking in work area	If > PEL or no NEA <ul style="list-style-type: none"> Equipment room/area required Impermeable dropcloths required Area must accommodate cleanup Must clean work clothes with HEPA vacuum before removal Must Decontaminate all PPE Must enter regulated area through equipment room/decon area Must enter regulated area through equipment room/decon area No smoking in work area	> PEL or no NEA <ul style="list-style-type: none"> Equipment room/area required Impermeable dropcloths required Area must accommodate cleanup Must clean work clothes with HEPA vacuum before removal Must Decontaminate all PPE Must enter regulated area through equipment room/decon area Must enter regulated area through equipment room/decon area NEA must vacuum No smoking in work area	If cleaning up asbestos containing surfacing material or thermal system insulation debris from a Class I or III activity after the activity is finished <ul style="list-style-type: none"> •Equipment room/area required •Dropcloths required •Area must accommodate cleanup •Must clean work clothes with HEPA vacuum before removal •Must decontaminate all PPE •Must enter regulated area through equipment room/decon area No smoking in work area Note: If cleaning up dust, waste, and debris while a Class I, II, or III activity is still in progress, the requirements of that activity apply.

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Generally Required Work Practices and Engineering Controls	<ul style="list-style-type: none"> •Wet methods •HEPA vacuum •Prompt cleanup/disposal 	<ul style="list-style-type: none"> •Wet methods •HEPA vacuum •Prompt cleanup/disposal 	<ul style="list-style-type: none"> •Wet methods •HEPA vacuum •Prompt cleanup/disposal 	<ul style="list-style-type: none"> •Wet methods •HEPA vacuum •Prompt cleanup/disposal
Required Work Practices and Engineering Controls to Comply with PELs	<ul style="list-style-type: none"> •HEPA local exhaust •Enclosure or isolation •Directed ventilation •Other work practices •Respirators 	<ul style="list-style-type: none"> •HEPA local exhaust •Enclosure •Directed ventilation •Other work practices •Respirators 	<ul style="list-style-type: none"> •HEPA local exhaust •Enclosure •Directed ventilation •Other work practices •Respirators 	<ul style="list-style-type: none"> •HEPA local exhaust •Enclosure •Directed ventilation •Other work practices •Respirators
Prohibited Work Practices and Administrative Controls	<ul style="list-style-type: none"> •High-speed abrasive disc saws without HEPA •Compressed air without capture device •Dry sweeping/shoveling 	<ul style="list-style-type: none"> •High-speed abrasive disc saws without HEPA •Compressed air without capture device •Dry sweeping/shoveling 	<ul style="list-style-type: none"> •High-speed abrasive disc saws without HEPA •Compressed air without capture device •Dry sweeping/shoveling 	<ul style="list-style-type: none"> •High-speed abrasive disc saws without HEPA •Compressed air without capture device •Employee rotation
Controls and Work Practices	<ul style="list-style-type: none"> •Critical barriers/isolation methods required if <ul style="list-style-type: none"> • > 25 linear or 10 square feet of TSI or SM removal • < 25 linear or 10 square feet of TSI or SM removal only if no NEA or there are adjacent workers •HVAC isolation required •Impermeable dropcloths required •Directed ventilation required if no NEA or > a PEL •Objects must be covered One or more of the following controls must be used: <ul style="list-style-type: none"> •Negative-pressure enclosure •Glove bag •Negative-pressure glove bag •Negative pressure glove box •Water spray process •Mini enclosure 	<p>For indoor work only</p> <ul style="list-style-type: none"> •Critical barriers/isolation methods required if <ul style="list-style-type: none"> • no NEA • likely > a PEL • non-intact removal •Impermeable dropcloths required <p>For removal of vinyl and asphalt flooring materials</p> <ul style="list-style-type: none"> •No sanding •HEPA vacuum •Wet methods •No dry sweeping •Any mechanical chipping must be done in negative-pressure enclosure •Intact removal if possible •Dry heat removal allowed •Assume contains asbestos without an analysis <p>For removal of roofing materials</p> <ul style="list-style-type: none"> •Intact removal if possible •Wet methods if feasible •Cutting machine misting •HEPA-vacuum debris •Lower to ground as soon as possible but no later than day's end •Control dust of unbagged material •Prevent intake of airborne asbestos< through roof vent system Class II <p>For removal of cement-like siding, shingles, or transite panels</p> <ul style="list-style-type: none"> •Intact removal if possible •Wet Methods •Lower to ground via dust-tight chute, crane, or hoist immediately or place in an impervious waste bag or wrap in plastic sheeting and lower to ground by day's end •Cut nail heads <p>For removal of gaskets</p> <ul style="list-style-type: none"> •Use glove bags if not intact •Wet removal •Prompt disposal •Wet scraping <p>Additional requirements</p> <ul style="list-style-type: none"> •Wet methods •Intact removal if possible •Cutting, abrading, or breaking prohibited 	<ul style="list-style-type: none"> •Critical barriers required • If no NEA • > Pel via monitoring •Impermeable dropcloths required •Local HEPA exhaust required <p>Note: Enclosure or isolation of operation required if TSI or SM is drilled, cut, abraded, sanded, sawed, or chipped</p>	<p>See Generally Required Work Practices and Engineering Controls in this table</p>

*This is an overview of the standards' requirements. You must consult the standard for the specifics of the requirements for each class.