

Quick Reference

Appendix – Quick Reference of Provisions by Work Class

	Class 1	Class 2	Class 3	Class 4
Definition	Removal of thermal system insulation (TSI) and surfacing materials (SM)	Removal of all other asbestos not TSI or SM	Maintenance and repair operations disturbing asbestos-containing materials	Housekeeping and custodial operations (including construction site cleanup)
Regulated Areas	Required (signs required)	Required (signs required)	Required (signs required)	Required (signs required)
“Competent Person”	Required onsite <ul style="list-style-type: none"> inspect each workshift contractors and supervisors training required 	Required onsite <ul style="list-style-type: none"> inspect often contractors and supervisors training required 	Required onsite <ul style="list-style-type: none"> inspect often operations and maintenance training required 	Required onsite <ul style="list-style-type: none"> inspect often operations and maintenance training required
Air Monitoring	<ul style="list-style-type: none"> Initial if no negative exposure assessment (NEA) Daily if no NEA Terminate if < permissible exposure limit (PEL) Additional if conditions change 	<ul style="list-style-type: none"> Initial if no NEA Daily if no NEA Terminate if < PEL Additional if conditions change 	<ul style="list-style-type: none"> Initial if no NEA Periodic to accurately predict if > PEL Terminate if < PEL Additional if conditions change 	
Medical Surveillance	Required if <ul style="list-style-type: none"> wearing negative-pressure respirator > PEL > 30 days exposure/year 	Required if <ul style="list-style-type: none"> wearing negative-pressure respirator > PEL > 30 days exposure/year 	Required if <ul style="list-style-type: none"> wearing negative-pressure respirator > PEL > 30 days exposure/year 	Required if <ul style="list-style-type: none"> wearing negative-pressure respirator > PEL > 30 days exposure/year
Respirators	Mandatory for all Class 1 jobs	Mandatory if <ul style="list-style-type: none"> non-intact removal no NEA > PEL dry removal (except for roofing) in emergencies 	Half-mask air-purifying respirator minimum if <ul style="list-style-type: none"> no NEA TSI or SM disturbed > PEL Mandatory if <ul style="list-style-type: none"> dry removal (except for roofing) in emergencies 	Mandatory <ul style="list-style-type: none"> in regulated area where required if > PEL 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 no NEA > PEL 	Required for all jobs if <ul style="list-style-type: none"> no NEA > PEL 	Required for all jobs if <ul style="list-style-type: none"> no NEA > PEL 	Required for all jobs if <ul style="list-style-type: none"> no NEA > PEL
Training	Equivalent to <i>Asbestos Hazard Response Act</i> (AHERA) worker course	Equivalent to AHERA worker course or specific work practices if removing one ACM only	Equivalent to AHERA operations and maintenance course 16 Hour	Equivalent to AHERA Awareness Training

Decontamination Procedures	<p>Full decon unit required if</p> <ul style="list-style-type: none"> • > 25 linear or 10 square feet TSI or SM removal connected to shower/clean room required • vacuum, change, shower elsewhere • detailed procedures <p>Lunch areas required</p> <ul style="list-style-type: none"> • If < 25 linear or 10 square feet TSI or SM removal or > PEL or no NEA • equipment room/area required • dropcloths required • area must accommodate cleanup • must decontaminate all personal protective equipment • must enter regulated area through equipment room/decon area <p>No smoking in work area</p>	<p>If > PEL or no NEA</p> <ul style="list-style-type: none"> • equipment room/area required • dropcloths required • area must accommodate cleanup • must decontaminate all personal protective equipment • must enter regulated area through equipment room/decon area <p>No Smoking in work area</p>	<p>If > PEL or no NEA</p> <ul style="list-style-type: none"> • equipment room/area required • dropcloths required • area must accommodate cleanup • must decontaminate all personal protective equipment • must enter regulated area through equipment room/decon area <p>If NEA, must vacuum</p> <p>No Smoking in work area</p>	<p>If > PEL or no NEA</p> <ul style="list-style-type: none"> • equipment room/area required • dropcloths required • area must accommodate cleanup • must decontaminate all personal protective equipment • must enter regulated area through equipment room/decon area <p>No Smoking in work area</p>
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 Permissible Exposure Limit (PEL)	<ul style="list-style-type: none"> • HEPA local exhaust • enclosure • directed ventilation • other work practices • supplement with respirators 	<ul style="list-style-type: none"> • HEPA local exhaust • enclosure • directed ventilation • other work practices • supplement with respirators 	<ul style="list-style-type: none"> • HEPA local exhaust • enclosure • directed ventilation • other work practices • supplement with respirators 	<ul style="list-style-type: none"> • HEPA local exhaust • enclosure • directed ventilation • other work practices • supplement with respirators
Prohibited Work Practices and Engineering Controls	<ul style="list-style-type: none"> • high speed abrasive disc saws without HEPA • compressed air without capture device • dry sweeping/shoveling • employee rotation 	<ul style="list-style-type: none"> • high speed abrasive disc saws without HEPA • compressed air without capture device • dry sweeping/shoveling • employee rotation 	<ul style="list-style-type: none"> • high speed abrasive disc saws without HEPA • compressed air without capture device • dry sweeping/shoveling • employee rotation 	<ul style="list-style-type: none"> • high speed abrasive disc saws without HEPA • compressed air without capture device • dry sweeping/shoveling • employee rotation

Appendix – Quick Reference of Provisions by Work Class

	Class 1	Class 2	Class 3	Class 4
<p>Controls and Work Practices</p>	<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 adjacent workers • HVAC isolation required • dropcloths required • directed ventilation required if no NEA or > PEL <p>Also, one or more of the following controls must be used:</p> <ul style="list-style-type: none"> • negative-pressure enclosure • glove bag for straight runs of pipe • negative-pressure glove box for pipe runs • 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 > PEL - non-intact removal • dropcloths required <p>If > PEL, must use:</p> <ul style="list-style-type: none"> • local HEPA exhaust • process isolation • directed ventilation • additional feasible controls supplemented with respirators <p>For removal of vinyl and asphalt flooring materials:</p> <ul style="list-style-type: none"> • no standing • HEPA vacuum • wet methods • no dry sweeping • chipping done in negative-pressure enclosure • intact removal, if possible • dry heat removal allowed • assume contains asbestos without an analysis <p>For removal of built-up roofing materials or asbestos-cement shingles:</p> <ul style="list-style-type: none"> • intact removal, if possible • wet methods, if feasible • cutting machine misting • HEPA-vacuum debris • lower by day's end • control dust of unbagged material • roof vent system protected <p>For removal of cementitious siding, shingles, or transite panels:</p> <ul style="list-style-type: none"> • intact removal, if possible • wet methods • lower via dust-tight chute 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 <ul style="list-style-type: none"> - if no NEA - PEL via monitoring • dropcloths required • local HEPA exhaust required <p>Enclosure or isolation of operation required if: TSI or SM is drilled, cut, abraded, sanded, sawed or chipped</p>	<p>* See required Work Practices and Engineering Controls</p>