

Office of Design & Construction

H. Carl McCall SUNY Building Albany, New York

ASBESTOS TESTING AND SAMPLING CHECKLIST

Instructions: Consultant and Abatement Designer shall meet with the Campus and Fund at the work area(s) prior to completing this Checklist.

At least two (2) meetings are required, one prior to Schematic Phase submission and the second at Pre-Bid, prior to advertising a construction contract for bidding. Meeting agenda is: 1) review scope of work in the work area(s); 2) review availability of existing drawings and daily logs of prior abatement work in the work areas; 3) review checklist and provide initial answers based on historic knowledge; 4) walk the work area and adjacent areas with the checklist and confirm the answers; 4) confirm that completed Checklist becomes the basis for the sampling and testing scope of services; 5) confirm that test results will be included in the Schematic Report, OR, if at Pre-Bid, confirm extent of additional testing required for the scope being advertised or reasonable assumptions regarding PACM that will be classified as ACM for bidding purposes.6. Confirm if there is a Facility Wide Variance from the campus.

In addition to the requirements of Code Rule 56 (56-5.1 Asbestos Survey Requirements) as currently amended, the following checklist items should be the minimum presumed asbestos materials (PACM) that are investigated and tested. In previously abated areas, spot check 5% of the area to confirm that all asbestos was abated and not encapsulated. Obtain daily log provided by previous abatement contractor from campus/SUCF archive, read each day's report and note where potential ACM may have been left in place for encapsulation. This includes roofs and re-sprayed fireproofing where special patching at sampling must be done. The firm performing the survey and sampling should allow sufficient time to meet with the Fund, the Consultant and the campus, to review all campus plans and records prior to the start of field work and to return to the site to measure and document quantities of ACM / PACM.

Unless test results prove otherwise, answer "Yes" and show the material as presumed ACM in the documents.		COMMENTS
The Fund's preference is to buy abatement in the base bid rather than pay for it by change order.		
General A – Was work area previously abated? If yes, obtain and review		
the logs from the abatement supervisor for completeness of previous	□Yes □ No □N/A	
work. If logs suggest encapsulation, then take additional samples to		
confirm that abatement was actually completed.		
B– Is the existing work in buildings or structures for which original		
construction commenced on or after January 1, 1974 and exempt from the	□Yes □ No □N/A	If yes, testing and sampling in these buildings is still required by the Fund.
Asbestos Survey Requirements in 56-5.1?		
C- Are there any concealed spaces in shafts, chases, behind walls, stud		
cavities, masonry cavities, electrical boxes, above ceilings, below floors, in	□Yes □ No □N/A	
construction void areas within the project area? If so, assume that such		
spaces contain PACM debris left there during previous work.		
D – In addition to sampling PACM material, are tests need to determine	□Yes □ No □N/A	Determine if the substrate must be removed during the abatement
the strength of the PACM's adherence to the substrate?		
1) Ceiling tile, including material containing vermiculite	Yes No N/A	
a) Is there debris on top of ceiling?	□Yes □ No □N/A	
b) Acoustic material sprayed on ceilings (popcorn)	Yes No N/A	
c) Is there a ceiling(s) above the visible ceiling?	Yes No N/A	If yes or unknown, include removals to investigate
d) Lay in Ceiling materials	Yes No N/A	
2) Ceiling tile mastic (glue pucks)	Yes No N/A	Check for mastic under any material that appears to be adhered
3) Flooringvinyl tile (if carpet, check underneath for tile flooring	Yes No N/A	Check for multiple floors in all locations



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	a) Flooring ceramic tile - check underneath tile flooring for cleavage membrane - take more than one sample)	Yes No N/A	
	b) Flooring tile mastic - check substrate under flooring for soundness	Yes No N/A	Where wet abatement is needed to remove ACM adhered to elevated slabs, confirm pathways where water might flow and discuss constructability with the Fund and Campus.
	 c) Toilet, shower or other "wet" floor cleavage/waterproofing membrane 	□Yes □ No □N/A	
	d) Wood flooring – check for cleavage membrane	Yes No N/A	
	e) Synthetic flooring (also test for mercury)	Yes No N/A	
	f) Asphalt Tile	Yes No N/A	
4)	Thermal Surface Insulation: Pipe, wall, etc. (including exterior piping)	Yes No N/A	
	a) Heating, domestic hot water and other insulated Piping Systems	Yes No N/A	
	b) Other insulated non-pressure piping, such as roof drains	Yes No N/A	
	c) Insulation at flues, kitchen ducts and other "hot" exhausts.	Yes No N/A	
	d) Hangers/fittings at insulated piping and ductwork	Yes No N/A	
	e) For batt/spray insulation, can it be peeled up to confirm if multiple layers exist?	□Yes □ No □N/A	
	f) Debris on surfaces below piping / hidden below batts?	□Yes □ No □N/A	
	 g) Concealed piping in chases, walls, etc., i.e., can reasonable assumptions be made about piping runs needed to support existing fixtures and equipment? (Assume ACM unless tested. Estimate size, length, fittings, supports etc., per possible hidden conditions) 	□Yes □ No □N/A	
	h) Mastic used to adhere cavity insulation (glue pucks)	□Yes □ No □N/A	
	 Direct bury piping for steam, hot water, etc. below slabs or underground at the adjacent site. 	Yes No N/A	
5)	Plaster walls and/or ceilings	□Yes □ No □N/A	
	a) Finish coat	Yes No N/A	
	b) Scratch coat	Yes No N/A	
	c) Condition of substrate; voids in substrate that hold extra ACM?	Yes No N/A	
	d) Soundness of substrate; will it need to be demolished with ACM?	Yes No N/A	



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e) Cavities due to electrical boxes, chases, other substrate openings.	Yes No N/A	
6) Caulking (also test for PCB content)		
a) Windows, doors, and louvers	Yes No N/A	
b) Control and expansion joints	Yes No N/A	
c) other joints	Yes No N/A	
7) Doors: Interior core of doors including elevator doors	Yes No N/A	Check both rated and unrated doors
8) Any and all fireproofing, including re-spray after previous abatement.	Yes No N/A	
 a) Check for overspray on decking between beams, on exterior walls between columns and other adjacent materials. Overspray may be micro splatter and a careful examination must be made. 	☐Yes ☐ No ☐N/A	
b) Are there gaps between materials where fireproofing could be lodged, such as metal deck overlaps, chases, slots, etc.?	□Yes □ No □N/A	
c) Are there lintels and other architectural steel for soffits, overhangs, canopies, etc. that was fireproofed?	□Yes □ No □N/A	
d) Is there other construction obstructing access to fireproofing that must be removed to enable abatement?	□Yes □ No □N/A	
e) Any and all material containing vermiculite (test for ACM)	□Yes □ No □N/A	
f) Are there voids in masonry walls, stud partitions, electrical boxes, and other construction below fireproofing that should be sampled for fireproofing debris that may have fallen from above?	□Yes □ No □N/A	
g) Fire Curtains and blankets?	Yes No N/A	
9) Any other mastics used for/with:		
 Cavity wall damp proofing, lintel mastic, door and window frame mastic, etc. 	□Yes □ No □N/A	
b) Pavers, Carpet, and other non-PACM flooring	□Yes □ No □N/A	
c) Wall base	□Yes □ No □N/A	
d) Ductwork joints	□Yes □ No □N/A	
e) Insulation adhesive (walls, soffits, etc.)	□Yes □ No □N/A	
f) Sound deadening insulation on elevators, etc.	□Yes □ No □N/A	
g) Sound deadening insulation under sinks or other fixtures.	Yes No N/A	



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h) Pipe insulation adhesive	□Yes □ No □N/A	
i) Chalkboards or tackboard adhesive	□Yes □ No □N/A	
j) Other areas where adhesive could have been used	□Yes □ No □N/A	
 k) Check soundness of substrate in a thru j; will any need to be demolished with ACM? 	Yes No N/A	
10) Oakum in piping joints	□Yes □ No □N/A	See also Directive 1D-5 Lead Remediation
11) Wall/ceiling finish on GWB, drywall compound, etc.	□Yes □ No □N/A	
12) Cellulose containing materials	□Yes □ No □N/A	
13) Roofing and Waterproofing	□Yes □ No □N/A	
a) Flashing, in both roof and wall, and sealants	□Yes □ No □N/A	
 b) Vapor barrier, both under roof and at slabs on grade, and below grade structures such as walls, areaways, tunnels, vaults and other underground structures 	Yes No N/A	
c) Above grade cavity wall waterproofing	□Yes □ No □N/A	
 d) At exterior/interior below grade waterproofing, consider if drainage pipes exist (Transite?) 	Yes No N/A	
e) Slip sheets under metal roofing/flashing	□Yes □ No □N/A	
f) Check soundness of substrate in 13.a thru 13.e; will any need to be demolished with ACM if such ACM is tightly adhered?	Yes No N/A	
14) Electrical conductor fire wrap or insulation	□Yes □ No □N/A	
15) Transite (Orangeburg) in duct banks including debris in manholes	□Yes □ No □N/A	
16) Equipment		
a) Internal insulation with equipment enclosure-	□Yes □ No □N/A	
b) Mastic and sealants inside equipment	□Yes □ No □N/A	
c) Refractory linings: Incinerators, boilers, water heaters, chimneys	□Yes □ No □N/A	Also check for radioactivity in refractory materials
d) Gaskets and connectors	□Yes □ No □N/A	
e) Flexible connections to ductwork	□Yes □ No □N/A	
h) Are there inaccessible portions of equipment? If yes, assume they contain concealed ACM.	Yes No N/A	
17) Transite in		



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a) Ductwork and louvers	Yes No N/A
b) Fume hood interior and exhaust duct	Yes No N/A
c) Countertops and sinks	Yes No N/A
d) Splines in precast panels	Yes No N/A
e) Piping/drainage lines both interior and exterior	Yes No N/A
f) Inside cabinet or perimeter heater assemblies?	Yes No N/A
g) Others (List)	Yes No N/A
Confirm that all of the following locations have been inspected:	
18) Contract work area including spaces with MEP utility connection routes/points	Yes No N/A
19) Check access route to Contract Work Area for exposed PACM that could be disturbed during access along the route	Yes No N/A
20) Have all chases, tunnels, and other concealed areas been considered?	Yes No N/A
21) Exterior paving toppings/coatings at tracks, tennis courts, etc.	Yes No N/A
22) Debris on top of suspended ceiling, below lay in insulation, etc.	Yes No N/A
23) Debris on/in ledges of shafts, interstitial spaces, etc. where ACM could have fallen during original installation or later work.	Yes No N/A
24) Debris buried on site or under overhangs where ACM could have fallen during original installation or later work.	Yes No N/A
Confirm that the following conditions have been assessed:	Yes No N/A
25) Friability of adjacent NIC asbestos or risk of likely disturbance.(Consider adding verbiage addressing "handling ACM" vs Abating ACM in specification to avoid likely disturbance.)	□Yes □ No □N/A
26) Tightness of adherence of ACM to non-ACM substrates (if ACM is tightly adhered, requiring removal of the substrate as ACM, has the thickness and extent of the substrate also been measured?)	□Yes □ No □N/A
27) Dust like debris which may contain ACM in rarely accessed areas and spaces (DO NOT USE ASTM D 5755; USE BULK SAMPLE AND PLM)	□Yes □ No □N/A
28) Background air samples of all significant work areas – can the areas be fully contained during abatement?	Yes No N/A



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List other conditions, issues, etc. that have been considered	Project-specific Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling and Repair per 56-5.1(g) of Code Rule 56. Yes No N/A		
Does the extent of sampling proposed provide sufficient information to dete	ermine ACM quantities? Yes No N/A		
Construction Documents must provide sufficient information regarding the amount of ACM. If field conditions require additional sampling, then the ECA will be adjusted to pay for reasonable additional sampling and testing. In addition to sampling, provide services required to measure and document quantities of all material that test positive for ACM or are classified as PACM since they are inaccessible for testing.			
In order to avoid any possible violation of Federal or State law with respect t unless (1) all asbestos in the work area (any room, space, shaft, above ceiling open onto an adjacent work area without containment) involved is to be ren involved; there is no loose asbestos material in the area involved that is not place; and the contract documents specifically provide a satisfactory method	to asbestos removal, no Fund project should hereinafter be bid in which asbe g plenum, wall cavity or any concealed, hidden space that might be accessed noved; or (2) there is a justifiable written reason for not removing all asbesto being removed; the contract documents specifically identify the asbestos ma d for preventing the disturbance of asbestos material being left in place.	estos is to be removed during the work OR os in the area aterial being left in	
The Consultant, Asbestos Project Designer, and Fund Coordinator confirms c	compliance with this policy by signing below:		
Consultant name and firm:		Data	
	Signature of Consultant	Date	
Asbestos Project Designer name and firm: DOL #,			
Expiration	Signature of Asbestos Project Designer	Date	
Fund Coordinator name:			
	Signature of Coordinator	Date	
Notes:			