

MEMORANDUM

COPY

TO: PAUL BLANCHARD, MOUNTAIN RUN PARTNERS
 FROM: TOM SHISHMAN, S&A
 SUBJECT: ACM ON ROOFS, ELKS LODGE
 DATE: AUGUST 28, 2001
 COPY TO: GARLAN BRYAN, AIA

The results of our follow-up sampling and testing of roofing materials on the Elks Lodge are summarized below, cast in the format you need to file the NESHAP application with the City:

LOCATION (Roof over: ___)	MATERIALS IDENTIFIED	BULK SAMPLE ANALYZED	ASBESTOS CONTENT (%)	AREA (Square feet of ACM to be removed)	PLANNED ACTIVITY (Per John Sanchez)	REMARKS
Lounge, bar, storage, vestibule south of Ballroom	Roof mastic or cement applied on flashing on curb supporting roof-mounted equipment, occasionally coated with silver paint	Mastic	Chrysotile, 15%	~50 sf	Mastic on flashing on curbs is not to be disturbed (NTBD)	To remain in place
	Pea gravel on coat of tar	Tar	None Detected (ND)	N/A	Scrape pea gravel and tar only	Construction debris
Ballroom, Dining Room	Pea gravel on coat of tar	Tar	ND	N/A	Scrape pea gravel and tar only	Construction debris
	Roofing felt under pea gravel and tar	Felt	ND	N/A	NTBD	To remain in place
Overhang, West Entry	Pea gravel on coat of tar	Tar	ND	N/A	Scrape pea gravel and tar only	Construction debris

ASBESTOS
REPORT:
ROOF

LOCATION (Roof over: ___)	MATERIALS IDENTIFIED	BULK SAMPLE ANALYZED	ASBESTOS CONTENT (%)	AREA (Square feet of ACM to be removed)	PLANNED ACTIVITY (Per John Sanchez)	REMARKS
Lodge Room	Pea gravel on coat of tar	Tar	Chrysotile, 3%	~5,000 sf	Scrape pea gravel and tar only; Roofing felt NTBD	Category I nonfriable ACM; removal is Class II asbestos work per OSHA; waste to be disposed of in landfill which accepts ACM
	Roofing felt under pea gravel and tar	Felt	Chrysotile, 3%	~5,000 sf	NTBD	To remain in place
Kitchen, Indoc. Room	Pea gravel on coat of tar, layer(s) of roofing felt	Tar..... Felt.....	ND Chrysotile, 15%	~5,300 sf (includes flashing on curbs listed below)	Tear-off roofing materials	Category I nonfriable ACM; removal is Class II asbestos work per OSHA; waste to be disposed of in landfill which accepts ACM
	Roof mastic or cement applied on flashing on curb supporting roof-mounted equipment, occasionally coated with silver paint	Mastic Flashing...	ND Chrysotile, 10%	Included with roofing felt above	Tear-off flashing from curbs	Category I nonfriable ACM; removal is Class II asbestos work per OSHA; waste to be disposed of in landfill which accepts ACM

LOCATION (Roof over: ___)	MATERIALS IDENTIFIED	BULK SAMPLE ANALYZED	ASBESTOS CONTENT (%)	AREA (Square feet of ACM to be removed)	PLANNED ACTIVITY (Per John Sanchez)	REMARKS
Gym foyer, Offices, Corridor, Locker Rooms	Roof mastic or cement applied on flashing on curb supporting roof-mounted equipment, occasionally coated with silver paint	Mastic Flashing...	Chrysotile, 15% Chrysotile, 65%	~60 sf	Tear-off flashing with mastic from curbs	Category I nonfriable ACM; removal is Class II asbestos work per OSHA; waste to be disposed of in landfill which accepts ACM
	Pea gravel on coat of tar, layer(s) of roofing felt	Tar..... Felt.....	Chrysotile, 0.25% (point count) ND	N/A	Tear-off roofing materials	Construction debris
Overhang, North Entry by Gym	Pea gravel on coat of tar	Tar	ND	N/A	Scrape pea gravel and tar only	Construction debris
Handball Courts	Pea gravel on coat of tar	Tar	ND	N/A	Scrape pea gravel and tar only	Construction debris
Gymnasium	Pea gravel on coat of tar	Tar	ND	N/A	Scrape pea gravel and tar only	Construction debris

All of the roofing mastics, flashing and felts observed are nonfriable, judged to be in generally fair to locally poor condition; the membrane roof over the Ladies' Lounge, Pool & Billiard Room, Card Room, Game Room, Main Bar & Cocktail Lounge, and Corridors is new and was excluded from this survey.

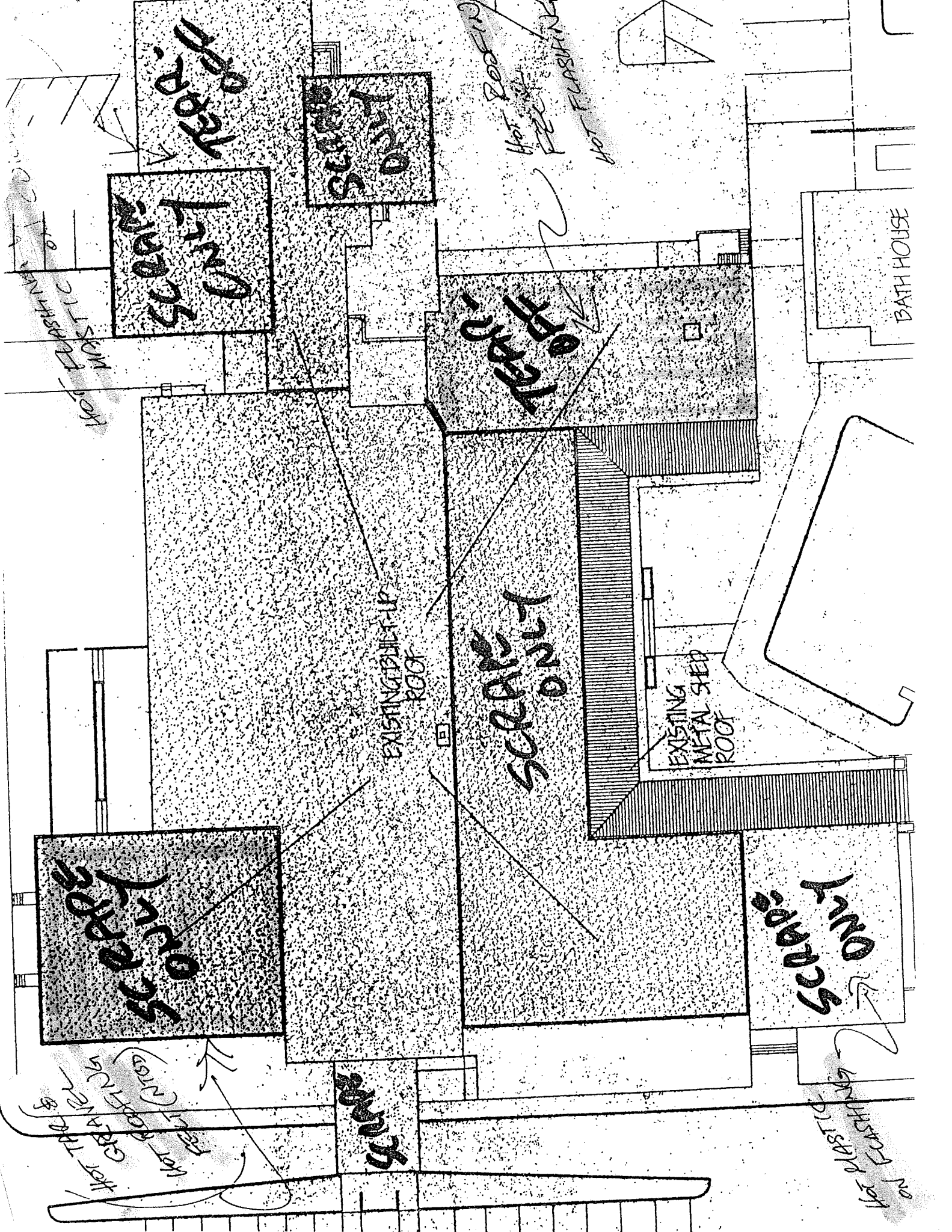
Those roof mastics, flashing, and felts found to be asbestos-containing materials (ACMs) are characterized as Category I nonfriable ACMs, which are unregulated by the US EPA as long as they are kept nonfriable during any disturbance. Disposal of Category I nonfriable ACMs can be in an ordinary landfill as long as the landfill is authorized and willing to accept disclosed and documented Category I nonfriable ACMs for disposal. Protection of workers handling asbestos always applies under the OSHA standards.

Pipes (vent) which penetrate the various roofs are lead or lead-coated; if these are to be removed as part of the roof removal and re-roofing effort, they should be recycled as scrap metal under the RCRA hazardous waste disposal regulations.

Para. VII, second line of the NESHAP Notification form should read:
Surface Area: **Category I Roofing Materials**, ACM to be removed: **10,360**, Nonfriable Cat I Not To Be Removed: **5,050**, Unit of measure: **SqFt**.

In case of questions, call us at tel. 505.237.9800.

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BATH HOUSE

EXISTING BUILT-UP ROOF

EXISTING METAL SHED ROOF

HOT FLASHING
HOT ROOFING

HOT ROOFING
HOT FLASHING

HOT FLASHING
HOT ROOFING

HOT FLASHING
HOT ROOFING

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