



McCall and Spero
Environmental, Inc.

Specialists in Microanalysis

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Date: October 13, 2014

Attention: Adam Helton
Helton & Associates, Inc.

Subject: Analysis of bulk samples for asbestos mineral fibers by Polarized Light
Microscopy (PLM) with Dispersion Staining (EPA/600/R-93/116)

RE: MSE-PO84HE
KCDC Cagle Terrace Room B-413 Ceiling Project
HE# 314-891

Dear Mr. Helton:

McCall & Spero Environmental, Inc. has completed the analyses of the bulk samples we received from your offices on October 8, 2014. These samples represent the bulk samples from the KCDC Cagle Terrace Room B-413 Ceiling Project.

The PLM bulk analysis was performed according to the "Method of the Determination of Asbestos in Bulk Building Materials", R. L. Perkins and B. W. Harvey (EPA/600/R-93/116).

The results for the three (3) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

M. Allison Brown, B.A.
Laboratory Director

SUMMARY OF PLM BULK ANALYSIS RESULTS

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Project Name: KCDC Cagle Terrace Room B-413 Ceiling Project HE# 314-891
McCall & Spero Environmental Project No. MSE-PO84HE

MSE # PO84HE-	SAMPLE # DESCRIPTION	ASBESTOS TYPE & %	OTHER FIBROUS MATERIAL & %	% NON-FIBROUS MATERIAL	COLOR
001	KCDC-CAG-01A Ceiling Material	CH / 2%	Cellulose / 3%	95%	White
002	KCDC-CAG-01B Ceiling Material	CH / 2%	Cellulose / 3%	95%	White
003	KCDC-CAG-01C Ceiling Material	CH / 2%	Cellulose / 3%	95%	White

NOTES:

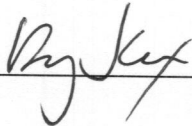
ND = None Detected CH = Chrysotile A = Amosite AC = Actinolite
CR = Crocidolite AN = Anthophyllite TR = Tremolite

For samples consisting of separate components, each component is analyzed and reported separately.

Results apply only to items tested. Quantification is accurate to within $\pm 10\%$. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: Ryan J. Cox, B.S.



McCall & Spero Environmental, Inc.

