Science Ssociates Technical and Advisory Services • Environmental Health and Safety

December 30, 2015

Jim Choate Director of Facilities, Maintenance and Operations 291 Warner Avenue Huntington Beach, CA 92647

Re: AHERA three year re-inspection performed at Hope View Elementary School, 17622 Flintstone Lane, Huntington Beach, CA 92647; HSA Project Number 150175LA.

At your request, Health Science Associates (HSA) performed a three year re-inspection to assess the presence and condition of the existing asbestos containing building material (ABCM), asbestos containing material (ACM) or asbestos containing construction material (ACCM) and incorporate findings to update the OVSD Asbestos Management Plan at the referenced location in accordance with the AHERA re-inspection protocol as outlined in 40 CFR Part 763, Subpart E. The re-inspection was performed by Mr. Lucas H. Wallin, Certified Asbestos Consultant (CAC Cert. No. 14-5193).

Between August 2014 and April 2015, the removal of ACBM/ACM within the main building and kindergarten occurred as part of a major modernization project. This three year re-inspection was conducted at the conclusion of said modernization project. ACBM/ACM removed included fireproofing, flooring materials (all layers), asbestos-cement (AC) panels, and thermal system insulation (TSI), as identified prior to the abatement. A description of all remaining materials, locations, and estimated quantities are summarized in Appendix B - *ACBM/ACM Inventory*. For further information regarding sampled materials and their analytical results, refer to Appendix F – *Previous Limited Asbestos Bulk Surveys* and *Existing AHERA Documentation*.

For any questions or clarifications please call 714 220 3922.

Prepared By

work W. Wellen

Lucas H. Wallin, CAC, CDPH I/A Project Manager

Reviewed By

Howard B. Spielman, PE, CIH, CSP, REHS, CAC Principal



12/2015

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Project No.: 150175LA 17622 Flintstone Lane, Huntington Beach, CA 92647

ACBM/ACM INVENTORY Hope View Elementary School

Rank Response Action/ Comments walls & door frames; observed robertson decking & columns abatement 2014-2015; sealed abatement 2014-2015; sealed fireproofing material within Fireproofing removed from Light overspray on decking above and debris on plaster fireproofing material postfireproofing material posthard-lid; Restrict access. Residual & inaccessible Residual & inaccessible determine condition of Unable to completely & sampled in 2014 to celing line with foam with foam 0&M O&M O&M O&M Hazard n/a 4 4 4 4 Disturbance Potential low low low low n/a REMOVED significantly Condition damaged damaged damaged damaged Estimated Quantity 40,000 1,0005,000 2,000 500 Friable Asbestos 12 - 20 12 - 20 12 - 20 12 - 20 12 - 20 % yes yes yes yes yes Class material material material material material surf. surf. surf. surf. surf. Material sprayed fireproofing fireproofing fireproofing fireproofing fireproofing sprayed sprayed storage room 112 & speech sprayed room 113 roof (roberston) decking & sprayed MAIN BUILDING & KINDERGARTEN decking & perimeter walls pigeon-holes at roberston wall cavities & interior eaves & soffits (main Location building exterior) door frames columns Sample No. ł ; ł ł 1

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Project No.: 150175LA 17622 Flintstone Lane, Huntington Beach, CA 92647

ACBM/ACM INVENTORY Hope View Elementary School

12/2015

Observed under gray floor tile 12/2014, **Response Action/ Comments** Classrooms and south exterior wall of K1/K2 Rank Hazard n/a n/a n/a n/a n/a n/a **Potential Disturbance** n/a n/a n/a n/a n/a n/a REMOVED REMOVED REMOVED REMOVED REMOVED REMOVED Condition Estimated Quantity 2000 s.f. 200 s.f. 250 s.f. 200 s.f. 56 ea. 2 ca. Friable Asbestos ł ۱ I I ł l 0U yes ou ou no 00 Class misc. misc. misc. misc. misc. ISI 9"x9" tan floor tile 12"x12" gray floor tile 9"x9" beige floor tile and mastic black floor tile mastic Material AC panel fire door main electrical room main electrical room main electrical room Location rooms K1 and K2 rooms K1 and K2 under windows Sample No. ; ł ł ł ł ł

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Project No.: 150175LA 17622 Flintstone Lane, Huntington Beach, CA 92647

ACBM/ACM INVENTORY Hope View Elementary School

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custodial office 9"x9" tan floor tile mise. no 300 s.f. REMOVED v/a n/a custodial office black mastic mise. no 300 s.f. REMOVED v/a n/a custodial office black mastic mise. no 300 s.f. REMOVED n/a n/a food services black mastic mise. no 250 s.f. REMOVED n/a n/a food services 9"x9" tan floor tile mise. no 250 s.f. REMOVED n/a n/a food services 9"ster floor tile mise. no 250 s.f. REMOVED n/a n/a food services black floor tile mise. no 250 s.f. REMOVED n/a n/a food services black floor tile mise. no 250 s.f. REMOVED n/a n/a ibrary and PE storage spratic suff yes 500 s.f. REMOVED n/a	1	rooms K1 and K2	black mastic	misc.	ио	I	250 s.f.	REMOVED	n/a	n/a	
custodial officeblack masticmise.no300 s.f.REMOVEDn'an'afood servicesy"y0" tan floor tilemise.no250 s.f.REMOVEDn'an'afood servicesy"y0" tan floor tilemise.no250 s.f.REMOVEDn'an'afood servicesblack floor tilemise.no250 s.f.REMOVEDn'an'afood servicesblack floor tilemise.no250 s.f.REMOVEDn'an'afibrary and PE storagesprayed ceilingsurf.yes500 s.f.REMOVEDn'an'a	I	custodial office	9"x9" tan floor tile	misc.	ou	I	300 s.f.	REMOVED	n/a	n/a	
food services 9"x9" tan floor tile mise. no 250 s.f. REMOVED n/a n/a 250 s.f. REMOVED n/a n/a 250 s.f. REMOVED n/a n/a 250 s.f. REMOVED n/a n/a 250 s.f. REMOVED n/a n/a 250 s.f. REMOVED n/a n/a 250 s.f. REMOVED n/a n/a 250 s.f. REMOVED n/a n/a 250 s.f. REMOVED n/a 	I	custodial office	black mastic	misc.	ou	1	300 s.f.	REMOVED	n/a	ıı/a	
· <td>I</td> <td>food services</td> <td>9"x9" tan floor tile</td> <td>misc.</td> <td>ou</td> <td>I</td> <td>250 s.f.</td> <td>REMOVED</td> <td>л/а</td> <td>ıı/a</td> <td>-</td>	I	food services	9"x9" tan floor tile	misc.	ou	I	250 s.f.	REMOVED	л/а	ıı/a	-
library and PE storage sprayed ceiling surf. yes - 500 s.f. REMOVED n/a	I	food services	black floor tile mastic	misc.	DI	:	250 s.f.	REMOVED	л/а	n/a	
	I	library and PE storage room	sprayed ceiling	surf. coating	yes	1	500 s.f.	REMOVED	л/а	n/a	-

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Hope View Elementary School ACBM/ACM INVENTORY

Sample No.	Location	Material	Class	Friable	% Asbestos	Estimated Quantity	Condition	Potential Disturbance	Hazard Rank	Response Action/ Comments
I	AC courtyard (mechanical pipe elbows and yard)	pipe elbows and fittings	ISI	yes	N/A	l	REMOVED	n/a	л⁄а	
I	AC courtyard (mechanical fibrous wall yard) insulation	fibrous wall insulation	ISL	yes	N/A	I.	REMOVED	п/а	II/a	
I	throughout plenum	pipe elbows	ISI	yes	I	throughout	REMOVED	n/a	n/a	If located within wall cavities, pressume as ACM
PORTAI	PORTABLE BUILDINGS									

Per records provided to HSA, no suspect ACM/ACBM are located in these buildings. All suspect materials should be sampled for asbestos prior to disturbance. Hazard Ranking Classification:

1 = Material is significantly damaged with low to high potential for disturbance. Requires immediate corrective actions. 2 = Material is damaged with potential for becoming significantly damage.

3 = Material is damaged with moderate potential for disturbance.

4 = Material is damaged with low potential for disturbance.

5 = Material is in good condition with potential for becoming significantly damaged.
6 = Material is in good condition with potential for becoming damaged.
7 = Material is in good condition with low potential for becoming damaged.

s.f. = square feet

l.f. = linear feet

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