

Stonefield 63 - Los Angeles-South Coast County, Annual

Stonefield 63
Los Angeles-South Coast County, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	158.00	Space	1.42	63,200.00	0
Condo/Townhouse	63.00	Dwelling Unit	3.94	63,000.00	180

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	8			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - anticipated schedule

Demolition -

Grading - 7,993 cy import

Vehicle Trips - Trip rate per TIA

Woodstoves - no wood stoves and no wood fireplaces per SCAQMD Rule 455

Construction Off-road Equipment Mitigation - Per SCAQMD Rule 403

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	NumberWood	3.15	0.00
tblGrading	AcresOfGrading	10.00	13.50
tblGrading	MaterialImported	0.00	7,993.00
tblVehicleTrips	ST_TR	5.67	5.44
tblVehicleTrips	SU_TR	4.84	5.44
tblVehicleTrips	WD_TR	5.81	5.44
tblWoodstoves	NumberCatalytic	3.15	0.00
tblWoodstoves	NumberNoncatalytic	3.15	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.2364	2.3764	1.6481	3.7300e-003	0.3531	0.1118	0.4649	0.1210	0.1044	0.2255	0.0000	339.6971	339.6971	0.0610	0.0000	341.2227
2020	0.3860	1.5215	1.4767	2.8100e-003	0.0605	0.0811	0.1417	0.0162	0.0762	0.0924	0.0000	247.8664	247.8664	0.0461	0.0000	249.0197
Maximum	0.3860	2.3764	1.6481	3.7300e-003	0.3531	0.1118	0.4649	0.1210	0.1044	0.2255	0.0000	339.6971	339.6971	0.0610	0.0000	341.2227

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.2364	2.3764	1.6481	3.7300e-003	0.1860	0.1118	0.2978	0.0613	0.1044	0.1657	0.0000	339.6969	339.6969	0.0610	0.0000	341.2225
2020	0.3860	1.5215	1.4767	2.8100e-003	0.0574	0.0811	0.1386	0.0155	0.0762	0.0917	0.0000	247.8662	247.8662	0.0461	0.0000	249.0195
Maximum	0.3860	2.3764	1.6481	3.7300e-003	0.1860	0.1118	0.2978	0.0613	0.1044	0.1657	0.0000	339.6969	339.6969	0.0610	0.0000	341.2225

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	41.15	0.00	28.06	44.08	0.00	19.04	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-3-2019	9-2-2019	1.4494	1.4494
2	9-3-2019	12-2-2019	0.8500	0.8500
3	12-3-2019	3-2-2020	0.7982	0.7982
4	3-3-2020	6-2-2020	0.7808	0.7808
5	6-3-2020	9-2-2020	0.5870	0.5870
		Highest	1.4494	1.4494

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2737	0.0187	0.6586	1.1000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003	0.0000	13.9245	13.9245	1.2900e-003	2.4000e-004	14.0271
Energy	5.9900e-003	0.0512	0.0218	3.3000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	166.1050	166.1050	5.5500e-003	2.0000e-003	166.8395

Mobile	0.1247	0.6461	1.7394	5.6600e-003	0.4445	5.8600e-003	0.4504	0.1192	5.4900e-003	0.1247	0.0000	522.2399	522.2399	0.0291	0.0000	522.9673
Waste						0.0000	0.0000		0.0000	0.0000	5.8827	0.0000	5.8827	0.3477	0.0000	14.5741
Water						0.0000	0.0000		0.0000	0.0000	1.3022	26.1898	27.4920	0.1348	3.3800e-003	31.8707
Total	0.4044	0.7160	2.4198	6.1000e-003	0.4445	0.0145	0.4590	0.1192	0.0141	0.1333	7.1849	728.4591	735.6441	0.5184	5.6200e-003	750.2787

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2737	0.0187	0.6586	1.1000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003	0.0000	13.9245	13.9245	1.2900e-003	2.4000e-004	14.0271
Energy	5.9900e-003	0.0512	0.0218	3.3000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	166.1050	166.1050	5.5500e-003	2.0000e-003	166.8395
Mobile	0.1247	0.6461	1.7394	5.6600e-003	0.4445	5.8600e-003	0.4504	0.1192	5.4900e-003	0.1247	0.0000	522.2399	522.2399	0.0291	0.0000	522.9673
Waste						0.0000	0.0000		0.0000	0.0000	5.8827	0.0000	5.8827	0.3477	0.0000	14.5741
Water						0.0000	0.0000		0.0000	0.0000	1.3022	26.1898	27.4920	0.1348	3.3800e-003	31.8707
Total	0.4044	0.7160	2.4198	6.1000e-003	0.4445	0.0145	0.4590	0.1192	0.0141	0.1333	7.1849	728.4591	735.6441	0.5184	5.6200e-003	750.2787

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2o	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
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1	Demolition	Demolition	6/3/2019	6/28/2019	5	20
2	Site Preparation	Site Preparation	6/29/2019	7/12/2019	5	10
3	Grading	Grading	7/13/2019	8/9/2019	5	20
4	Building Construction	Building Construction	8/10/2019	6/26/2020	5	230
5	Paving	Paving	6/27/2020	7/24/2020	5	20
6	Architectural Coating	Architectural Coating	7/25/2020	8/21/2020	5	20

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 13.5

Acres of Paving: 1.42

Residential Indoor: 127,575; Residential Outdoor: 42,525; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	1,187.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	790.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	72.00	17.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1284	0.0000	0.1284	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0351	0.3578	0.2206	3.9000e-004		0.0180	0.0180		0.0167	0.0167	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8672

Total	0.0351	0.3578	0.2206	3.9000e-004	0.1284	0.0180	0.1463	0.0194	0.0167	0.0361	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8672
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6400e-003	0.1878	0.0399	4.7000e-004	0.0102	6.7000e-004	0.0109	2.8000e-003	6.4000e-004	3.4400e-003	0.0000	46.2150	46.2150	3.2600e-003	0.0000	46.2965
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	6.3000e-004	6.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5800	1.5800	5.0000e-005	0.0000	1.5814
Total	6.3900e-003	0.1885	0.0467	4.9000e-004	0.0118	6.8000e-004	0.0125	3.2400e-003	6.5000e-004	3.8900e-003	0.0000	47.7950	47.7950	3.3100e-003	0.0000	47.8779

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0549	0.0000	0.0549	8.3100e-003	0.0000	8.3100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0351	0.3578	0.2206	3.9000e-004		0.0180	0.0180		0.0167	0.0167	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8671
Total	0.0351	0.3578	0.2206	3.9000e-004	0.0549	0.0180	0.0728	8.3100e-003	0.0167	0.0250	0.0000	34.6263	34.6263	9.6300e-003	0.0000	34.8671

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.6400e-003	0.1878	0.0399	4.7000e-004	9.7400e-003	6.7000e-004	0.0104	2.6900e-003	6.4000e-004	3.3300e-003	0.0000	46.2150	46.2150	3.2600e-003	0.0000	46.2965
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	6.3000e-004	6.8100e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.5800	1.5800	5.0000e-005	0.0000	1.5814
Total	6.3900e-003	0.1885	0.0467	4.9000e-004	0.0113	6.8000e-004	0.0120	3.1100e-003	6.5000e-004	3.7600e-003	0.0000	47.7950	47.7950	3.3100e-003	0.0000	47.8779

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
Total	0.0217	0.2279	0.1103	1.9000e-004	0.0903	0.0120	0.1023	0.0497	0.0110	0.0607	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.8000e-004	4.0900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9480	0.9480	3.0000e-005	0.0000	0.9488
Total	4.5000e-004	3.8000e-004	4.0900e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9480	0.9480	3.0000e-005	0.0000	0.9488

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0386	0.0000	0.0386	0.0212	0.0000	0.0212	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
Total	0.0217	0.2279	0.1103	1.9000e-004	0.0386	0.0120	0.0506	0.0212	0.0110	0.0322	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5000e-004	3.8000e-004	4.0900e-003	1.0000e-005	9.3000e-004	1.0000e-005	9.4000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.9480	0.9480	3.0000e-005	0.0000	0.9488

Total	4.5000e-004	3.8000e-004	4.0900e-003	1.0000e-005	9.3000e-004	1.0000e-005	9.4000e-004	2.5000e-004	1.0000e-005	2.6000e-004	0.0000	0.9480	0.9480	3.0000e-005	0.0000	0.9488
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3.4 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0674	0.0000	0.0674	0.0339	0.0000	0.0339	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0258	0.2835	0.1629	3.0000e-004		0.0140	0.0140		0.0129	0.0129	0.0000	26.6423	26.6423	8.4300e-003	0.0000	26.8530
Total	0.0258	0.2835	0.1629	3.0000e-004	0.0674	0.0140	0.0814	0.0339	0.0129	0.0467	0.0000	26.6423	26.6423	8.4300e-003	0.0000	26.8530

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7500e-003	0.1250	0.0266	3.1000e-004	6.7900e-003	4.5000e-004	7.2400e-003	1.8600e-003	4.3000e-004	2.2900e-003	0.0000	30.7581	30.7581	2.1700e-003	0.0000	30.8123
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	6.3000e-004	6.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5800	1.5800	5.0000e-005	0.0000	1.5814
Total	4.5000e-003	0.1256	0.0334	3.3000e-004	8.4300e-003	4.6000e-004	8.9000e-003	2.3000e-003	4.4000e-004	2.7400e-003	0.0000	32.3381	32.3381	2.2200e-003	0.0000	32.3937

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0288	0.0000	0.0288	0.0145	0.0000	0.0145	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0258	0.2835	0.1629	3.0000e-004		0.0140	0.0140		0.0129	0.0129	0.0000	26.6422	26.6422	8.4300e-003	0.0000	26.8530
Total	0.0258	0.2835	0.1629	3.0000e-004	0.0288	0.0140	0.0428	0.0145	0.0129	0.0273	0.0000	26.6422	26.6422	8.4300e-003	0.0000	26.8530

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7500e-003	0.1250	0.0266	3.1000e-004	6.4800e-003	4.5000e-004	6.9300e-003	1.7900e-003	4.3000e-004	2.2200e-003	0.0000	30.7581	30.7581	2.1700e-003	0.0000	30.8123
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	6.3000e-004	6.8100e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.5800	1.5800	5.0000e-005	0.0000	1.5814
Total	4.5000e-003	0.1256	0.0334	3.3000e-004	8.0400e-003	4.6000e-004	8.5000e-003	2.2100e-003	4.4000e-004	2.6500e-003	0.0000	32.3381	32.3381	2.2200e-003	0.0000	32.3937

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					

Off-Road	0.1204	1.0750	0.8754	1.3700e-003		0.0658	0.0658		0.0619	0.0619	0.0000	119.9031	119.9031	0.0292	0.0000	120.6334
Total	0.1204	1.0750	0.8754	1.3700e-003		0.0658	0.0658		0.0619	0.0619	0.0000	119.9031	119.9031	0.0292	0.0000	120.6334

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6700e-003	0.1024	0.0280	2.2000e-004	5.4600e-003	6.4000e-004	6.1100e-003	1.5800e-003	6.2000e-004	2.1900e-003	0.0000	21.6806	21.6806	1.4500e-003	0.0000	21.7168
Worker	0.0184	0.0153	0.1667	4.3000e-004	0.0402	3.5000e-004	0.0406	0.0107	3.3000e-004	0.0110	0.0000	38.6793	38.6793	1.3300e-003	0.0000	38.7125
Total	0.0221	0.1177	0.1947	6.5000e-004	0.0457	9.9000e-004	0.0467	0.0123	9.5000e-004	0.0132	0.0000	60.3599	60.3599	2.7800e-003	0.0000	60.4293

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1204	1.0750	0.8754	1.3700e-003		0.0658	0.0658		0.0619	0.0619	0.0000	119.9030	119.9030	0.0292	0.0000	120.6332
Total	0.1204	1.0750	0.8754	1.3700e-003		0.0658	0.0658		0.0619	0.0619	0.0000	119.9030	119.9030	0.0292	0.0000	120.6332

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6700e-003	0.1024	0.0280	2.2000e-004	5.2300e-003	6.4000e-004	5.8700e-003	1.5200e-003	6.2000e-004	2.1400e-003	0.0000	21.6806	21.6806	1.4500e-003	0.0000	21.7168
Worker	0.0184	0.0153	0.1667	4.3000e-004	0.0382	3.5000e-004	0.0385	0.0102	3.3000e-004	0.0105	0.0000	38.6793	38.6793	1.3300e-003	0.0000	38.7125
Total	0.0221	0.1177	0.1947	6.5000e-004	0.0434	9.9000e-004	0.0444	0.0117	9.5000e-004	0.0126	0.0000	60.3599	60.3599	2.7800e-003	0.0000	60.4293

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1357	1.2279	1.0783	1.7200e-003		0.0715	0.0715		0.0672	0.0672	0.0000	148.2304	148.2304	0.0362	0.0000	149.1345
Total	0.1357	1.2279	1.0783	1.7200e-003		0.0715	0.0715		0.0672	0.0672	0.0000	148.2304	148.2304	0.0362	0.0000	149.1345

Unmitigated Construction Off-Site

Vendor	3.9500e-003	0.1179	0.0319	2.8000e-004	6.5600e-003	5.5000e-004	7.1100e-003	1.9100e-003	5.2000e-004	2.4300e-003	0.0000	27.0288	27.0288	1.7200e-003	0.0000	27.0717
Worker	0.0213	0.0172	0.1897	5.2000e-004	0.0479	4.3000e-004	0.0483	0.0128	4.0000e-004	0.0132	0.0000	47.0638	47.0638	1.4800e-003	0.0000	47.1009
Total	0.0252	0.1351	0.2216	8.0000e-004	0.0544	9.8000e-004	0.0554	0.0147	9.2000e-004	0.0156	0.0000	74.0926	74.0926	3.2000e-003	0.0000	74.1726

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902
Paving	1.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0154	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1902

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0136	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901
Paving	1.8600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0154	0.1407	0.1465	2.3000e-004		7.5300e-003	7.5300e-003		6.9300e-003	6.9300e-003	0.0000	20.0282	20.0282	6.4800e-003	0.0000	20.1901

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.2083	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.2000e-004	5.7600e-003	2.0000e-005	1.4500e-003	1.0000e-005	1.4700e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.4299	1.4299	5.0000e-005	0.0000	1.4310
Total	6.5000e-004	5.2000e-004	5.7600e-003	2.0000e-005	1.4500e-003	1.0000e-005	1.4700e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.4299	1.4299	5.0000e-005	0.0000	1.4310

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1247	0.6461	1.7394	5.6600e-003	0.4445	5.8600e-003	0.4504	0.1192	5.4900e-003	0.1247	0.0000	522.2399	522.2399	0.0291	0.0000	522.9673

Unmitigated	0.1247	0.6461	1.7394	5.6600e-003	0.4445	5.8600e-003	0.4504	0.1192	5.4900e-003	0.1247	0.0000	522.2399	522.2399	0.0291	0.0000	522.9673
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	342.72	342.72	342.72	1,171,126	1,171,126
Parking Lot	0.00	0.00	0.00		
Total	342.72	342.72	342.72	1,171,126	1,171,126

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907
Parking Lot	0.547726	0.045437	0.201480	0.122768	0.016614	0.006090	0.019326	0.029174	0.002438	0.002359	0.005005	0.000677	0.000907

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Total		5.9900e-003	0.0512	0.0218	3.3000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	59.3232	59.3232	1.1400e-003	1.0900e-003	59.6757
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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	313017	99.7339	4.1200e-003	8.5000e-004	100.0907
Parking Lot	22120	7.0479	2.9000e-004	6.0000e-005	7.0731
Total		106.7818	4.4100e-003	9.1000e-004	107.1638

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Condo/Townhouse	313017	99.7339	4.1200e-003	8.5000e-004	100.0907
Parking Lot	22120	7.0479	2.9000e-004	6.0000e-005	7.0731
Total		106.7818	4.4100e-003	9.1000e-004	107.1638

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2737	0.0187	0.6586	1.1000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003	0.0000	13.9245	13.9245	1.2900e-003	2.4000e-004	14.0271
Unmitigated	0.2737	0.0187	0.6586	1.1000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003	0.0000	13.9245	13.9245	1.2900e-003	2.4000e-004	14.0271

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0206					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3000e-003	0.0111	4.7200e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.8593	12.8593	2.5000e-004	2.4000e-004	12.9358
Landscaping	0.0200	7.5600e-003	0.6539	3.0000e-005		3.5900e-003	3.5900e-003		3.5900e-003	3.5900e-003	0.0000	1.0652	1.0652	1.0500e-003	0.0000	1.0913
Total	0.2737	0.0187	0.6586	1.0000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003	0.0000	13.9245	13.9245	1.3000e-003	2.4000e-004	14.0271

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0206					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2317					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.3000e-003	0.0111	4.7200e-003	7.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	12.8593	12.8593	2.5000e-004	2.4000e-004	12.9358
Landscaping	0.0200	7.5600e-003	0.6539	3.0000e-005		3.5900e-003	3.5900e-003		3.5900e-003	3.5900e-003	0.0000	1.0652	1.0652	1.0500e-003	0.0000	1.0913
Total	0.2737	0.0187	0.6586	1.0000e-004		4.4900e-003	4.4900e-003		4.4900e-003	4.4900e-003	0.0000	13.9245	13.9245	1.3000e-003	2.4000e-004	14.0271

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	27.4920	0.1348	3.3800e-003	31.8707
Unmitigated	27.4920	0.1348	3.3800e-003	31.8707

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	4.1047 / 2.58775	27.4920	0.1348	3.3800e-003	31.8707
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		27.4920	0.1348	3.3800e-003	31.8707

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse	4.1047 / 2.58775	27.4920	0.1348	3.3800e-003	31.8707
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		27.4920	0.1348	3.3800e-003	31.8707

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

Mitigated	5.8827	0.3477	0.0000	14.5741
Unmitigated	5.8827	0.3477	0.0000	14.5741

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	28.98	5.8827	0.3477	0.0000	14.5741
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		5.8827	0.3477	0.0000	14.5741

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	28.98	5.8827	0.3477	0.0000	14.5741
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		5.8827	0.3477	0.0000	14.5741

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Hazardous Materials Studies





Stantec Consulting Services Inc.
25864-F Business Center Drive, Redlands, California 92374

October 26, 2018

Attention: Mr. David Lelie
KB Home Southern California
25152 Springfield Court, Suite 180
Valencia, California 91335

Reference: Pre-Demolition Asbestos and Lead-Based Paint Survey
1017 West 141ST Street and 14031 South Vermont Avenue, Gardena, California

Dear Mr. Lelie:

Stantec Consulting Services Inc. (Stantec) appreciates the opportunity to provide KB Home Southern California (KB Home) with the following limited pre-demolition asbestos-containing materials (ACM) and lead-based paint (LBP) survey report. The survey was performed at the location referenced above (herein referred to as the "Property") on June 1, 2018. The purpose of this survey was to evaluate the Property for the presence of ACMs and LBP that could require special handling and/or disposal in accordance with applicable federal, state, and local regulations. This report provides the survey's findings and recommendations.

BACKGROUND

At the request of KB Home, Stantec performed a limited pre-demolition ACM and LBP survey in support of demolition that may occur at the Property. The scope of work included sampling and analysis of suspect building materials at the Property. The Property is currently occupied and consists of a single-story office building, a storage/woodshop building, and two guard shacks.

The single-story office building consists of concrete block building with exterior stucco and a tar and membrane roofing system. The interior finishes generally consist of gypsum board, joint compound, carpet, vinyl floor sheeting, ceramic tiles, and cove base. The ceiling was comprised of acoustic ceiling tiles and a patch of acoustic ceiling spray. Given the office was occupied, sampling locations were limited in the interior. A total of 92 samples were collected from 25 homogeneous areas in the office building.

The storage/woodshop building consists of a single-story concrete block building with exterior stucco and a tar and membrane roofing system. The interior finishes generally consist of gypsum board, joint compound, plaster walls, and vinyl floor tiles. The ceiling was comprised of wood beams. A total of 35 samples were collected from 11 homogeneous areas in the storage/woodshop building.

Guard shack #1 consists of a small one room wood framed building with an asphaltic shingle roof. There were no interior finishes. A total of three samples were collected from one homogeneous area in guard shack #1.

Guard shack #2 consists of a small one room wood framed building with an asphaltic shingle roof. The interior finishes included gypsum board, joint compound, and vinyl floor sheeting. A total of 12 samples were collected from four homogeneous areas in guard shack #2.

PROJECT PERSONNEL

This site survey was performed by Ms. Alicia Jansen, Associate Scientist with Stantec and State of California, Division of Occupational Safety and Health (DOSH) Certified Asbestos Consultant (CAC



October 26, 2018

Mr. Lelie

**Reference: Pre-Demolition Asbestos and Lead-Based Paint Survey
1017 West 141st Street and 14031 South Vermont Avenue, Gardena, California**

#15-5379) and State of California, Department of Public Health (CDPH) Lead Related Construction Inspector Assessor (LRCIA #19526) and Ms. Melissa Baernstein, Project Scientist with Stantec and DOSH Certified Site Surveillance Technician (CSST#15-5377).

SUSPECT ASBESTOS CONTAINING MATERIALS

Asbestos is a potential health hazard capable of causing respiratory system fibrosis and various forms of systemic cancers. Its condition, handling and disposal are regulated by federal, state, and local agencies. Materials that contain asbestos generally do not pose a health threat unless the asbestos fibers are disturbed by renovation, construction or demolition, and may then become airborne and inhaled. If the Property's buildings are not going to be demolished, then written notification to employees, tenants, contractors, or purchasers of the Property in regards to the presence and location of ACMs and asbestos-containing construction materials (ACCMs) is required pursuant to the California Health and Safety Code 25915.

In California, asbestos exposure in construction is regulated when there is construction, alteration, repair, maintenance, or renovation of structures, substrates, or portions thereof that contain asbestos [§1529 (a)(1)(C)]. For purposes of this report, materials with any detectable concentration of asbestos are considered positive.

The EPA defines a homogeneous area as a surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture. The use or application of the homogeneous area is also used to identify suspect ACMs. The EPA and DOSH define ACM as any material that contains more than one percent (by weight) of asbestos (>1%). Only one sample from a homogeneous area with an asbestos concentration >1% is required to collectively identify that material as an ACM. The EPA additionally categorizes ACM as follows:

- Category I nonfriable ACM - asbestos containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the PLM method.
- Category II nonfriable ACM - any material, excluding Category I nonfriable ACM, containing more than 1% asbestos as determined using the PLM method that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- Regulated asbestos-containing material (RACM) - (a) Friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

In California, potential asbestos exposure in construction is regulated when construction, alteration, repair, maintenance, renovation or demolition of structures, substrates, or portions thereof contain asbestos [8 CCR §1529 (a)(1)(C)]. Additionally, in California, materials containing greater than one-tenth of one percent (>0.1%) asbestos by weight are regulated as ACCMs.

Sampling and Analysis

Stantec conducted a limited pre-demolition survey of the Property in an effort to identify suspect ACMs in accordance with the AHERA sampling guidelines as outlined in 40 CFR Part 763. The location, condition, friability, and the potential for suspect ACMs to be potentially disturbed were assessed and documented. Bulk samples of readily accessible suspect ACMs were collected.



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Mr. Lelie

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1017 West 141st Street and 14031 South Vermont Avenue, Gardena, California**

Consistent with building demolition and renovation regulatory requirements, building material sampling was conducted regardless of the age and/or condition of the structures.

The samples were sealed in an envelope and sent via FedEx under chain of custody documentation to EMSL Analytical, Inc. located in Cinnaminson, New Jersey. This laboratory is participating in the Environmental Laboratory Accreditation Program (ELAP), the National Institute of Standards and Testing (NIST), and the National Voluntary Laboratory Accreditation Program (NVLAP Lab Code: 101048-0). The laboratory is also accredited by the American Industrial Hygiene Association (AIHA – Laboratory ID 100194). The samples were analyzed for asbestos by Polarized Light Microscopy (PLM) in accordance with the EPA “Method for the Determination of Asbestos in Bulk Building Materials” (EPA/600/R93/116, July 1993).

A summary of the laboratory analytical results is included in the table below. Table 1 in the Findings section provides more information regarding the suspect materials collected and analyzed. Laboratory analytical results and bulk sample logs are provided in Attachment A; sample location maps are provided in Attachment B; certifications are provided in Attachment C; and a photographic log is provided in Attachment D.

Findings

Table 1 below provide a summary of the suspect materials identified and sampled at the Property during this survey. The table includes the DOSH definition and the EPA category, as applicable. Figure 1 depicts sample locations.

Table 1 – Asbestos Bulk Sample Results

Sample No.	Homogeneous Area	Location of Material	Condition	Asbestos Content	Quantity Estimate	DOSH Definition	EPA Category
01A 01B 01C 01D 01E	Cove Base Adhesive, White/Yellow, Behind Brown 2" Covebase	Throughout Office Building	Good	ND	2,000 LF	NA	NA
02A 02B 02C 02D 02E	Cove Base, Brown, 2"	Throughout Office Building	Good	ND	2,000 LF	NA	NA
03A 03B 03C 03D 03E	Carpet Mastic, Yellow, Beneath Blue Carpet	HR Hallway in Office Building	Good	ND	900 SF	NA	NA



October 26, 2018

Mr. Lelie

Reference: Pre-Demolition Asbestos and Lead-Based Paint Survey
1017 West 141st Street and 14031 South Vermont Avenue, Gardena, California

Sample No.	Homogeneous Area	Location of Material	Condition	Asbestos Content	Quantity Estimate	DOSH Definition	EPA Category
04A 04B 04C	Leveling Compound, White, Beneath Carpet and VFS	In Doorways in Office Building	Good	ND	100 SF	NA	NA
05A 05B 05C	Vinyl Floor Sheeting, Black/White, Pebbled Pattern	HR Restroom and Beneath Blue Carpet in Office Building	Good	ND	900 SF	NA	NA
06A 06B 06C	Adhesive, Yellow, Beneath HA#05	HR Restroom and Beneath Blue Carpet in Office Building	Good	ND	900 SF	NA	NA
07A 07B 07C 07D 07E	Cove Base, Black, Beneath 3" Black Cove Base	HR Restroom and Storage Suites in Office Building	Good	ND	1,000 LF	NA	NA
08A 08B 08C 08D 08E	Black 3" Cove Base	HR Restroom and Storage Suites in Office Building	Good	ND	1,000 LF	NA	NA
09A 09B 09C 09D 09E 09F 09G	Gypsum Board, White, Interior Walls	Throughout Office Building	Good	ND	7,000 SF	NA	NA
10A 10B 10C 10D 10E 10F 10G	Joint Compound, White, Interior Walls	Throughout Office Building	Good	ND	7,000 SF	NA	NA
11A 11B 11C	Carpet Mastic, Yellow/White, Beneath Flower Print Carpet	HR, Accounting, and Security Suites in Office Building	Good	ND	900 SF	NA	NA
12A 12B	Vinyl Floor Tile, Red/Brown, 9"x9", Beneath Carpet	Reception of Office Building	Good	8% Chrysotile	50 SF	ACM	Category I
13A 13B	Mastic, Black, Beneath HA#12	Reception of Office Building	Good	2% Chrysotile	50 SF	ACM	Category II
14A 14B 14C	Carpet Mastic, Yellow, Sticky	Reception and Hallway of Office Building	Good	ND	10 SF	NA	NA
15A 15B 15C	Gypsum Board, Pink, Wall	One wall in HR Office	Good	ND	300 SF	NA	NA



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Sample No.	Homogeneous Area	Location of Material	Condition	Asbestos Content	Quantity Estimate	DOSH Definition	EPA Category
16A 16B 16C	Joint Compound, White, Wall	One wall in HR Office	Good	ND	300 SF	NA	NA
17A 17B 17C	Acoustic Ceiling Tile, 2'x4', Multi-Dots	Patches	Good	ND	900 SF	NA	NA
18A 18B 18C	Texture Ceiling Spray, White	One Ceiling Panel, HR Office	Good	ND	50 SF	NA	NA
19A 19B 19C 19D 19E	Acoustic Ceiling Tile, White, 2'X4', Lay-in, Dots and Fissures	Throughout	Good	ND	2,500 SF	NA	NA
20A 20B 20C	Roofing System, Black and White, Tar and Membrane	Office Roof	Good	ND	2,500 SF	NA	NA
21A 21B	Sealant, Light Gray, Associated with Roof Penetrations	Office Roof	Good	ND	30 SF	NA	NA
22A	Sealant, Black, Associated with Metal Flashing	Office Roof	Good	ND	10 SF	NA	NA
23A 23B 23C 23D 23E	Stucco, Beige, Exterior	Office Building	Good	ND	8,000 SF	NA	NA
24A 24B 24C	Carpet Adhesive, Yellow	Storage Suite of Office Building	Good	ND	50 SF	NA	NA
25A 25B 25C 25D 25E	Epoxy, Gray, Floor/Concrete Sealant	Floor of Storage Suits	Good	ND	1,100 SF	NA	NA
26A 26B 26C	Vinyl Floor Tile, Gray, 12"X12"	Storage Building Restroom	Good	ND	25 SF	NA	NA
27A 27B 27C	Vinyl Floor Tile, Light Gray, 12"X12"	Storage Building Restroom	Good	ND	25 SF	NA	NA
28A 28B 28C	Gypsum Board, White, Interior Walls	East Wall	Good	ND	900 SF	NA	NA
29A 29B 29C	Joint Compound, White, Interior Walls	East Wall	Good	ND	900 SF	NA	NA



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Sample No.	Homogeneous Area	Location of Material	Condition	Asbestos Content	Quantity Estimate	DOSH Definition	EPA Category
30A* 30B 30D 30E	Stucco, Beige, Exterior	Storage Building	Good	ND	5,000 SF	NA	NA
31A 31B 31C	Roofing System, Black and White, Tar & Membrane	Roof of Storage Building	Good	ND	1,500 SF	NA	NA
32A 32B 32C	Sealant, Light Gray, Associated with Roof Penetrations	Roof of Storage Building	Good	ND	10 SF	NA	NA
33A 33B 33C	Plaster, Light Gray, Associated with Wall on West Side	West Wall in Storage Building	Damaged	ND	20 SF	NA	NA
34A 34B 34C	Plaster, White, Associated with Wall in Shower	West Wall in Shower of Storage Building	Damaged	ND	10 SF	NA	NA
35A 35B 35C	Mastic, Yellow, Associated with HA#26 and HA#27	Restroom in Storage Building	Good	ND	50 SF	NA	NA
36A 36B 36C	Mastic, Black, Associated with HA#26 and HA#27	Restroom in Storage Building	Good	5% Chrysotile	50 SF	ACM	Category II
37A 37B 37C	Asphaltic Shingles, Black	Roof of Guard Shack #1	Good	ND	50 SF	NA	NA
38A 38B 38C	Asphaltic Shingles, Black	Roof of Guard Shack #2	Good	ND	50 SF	NA	NA
39A 39B 39C	Vinyl Floor Sheeting, White, Square Pattern Self-Stick	Guard Shack #2	Damaged	ND	50 SF	NA	NA
40A 40B 40C	Gypsum Board, White, Interior Walls	Guard Shack #2	Good	ND	60 SF	NA	NA
41A 41B 41C	Joint Compound, White, Interior Walls	Guard Shack #2	Good	ND	60 SF	NA	NA
42A* 42B 42C	Stucco, Beige, Exterior	Storage Building	Good	ND	5,000 SF	NA	NA

Notes and Abbreviations:

Materials in **Bold** are identified as being positive for asbestos

ND = Non-detect

LF = Linear feet

SF = Square feet

NA = Not applicable

Category I – Non-Friable Asbestos-Containing Material



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Mr. Lelie

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1017 West 141st Street and 14031 South Vermont Avenue, Gardena, California**

Category II – Non-Friable Asbestos-Containing Material

* 30C – According to the laboratory report the sample 30C was described as beige/black and did not match the rest of the homogeneous area. Therefore, sample 30C is not representative of the exterior stucco and was likely an error. Stantec collected three additional exterior stucco samples (42A/42B/42C) and confirmed there is no asbestos present in the exterior stucco.

LEAD-BASED PAINT

The State of California, Title 17, Division 1, and Chapter 8 (herein referred to as “Title 17”) pertains to all public and residential buildings in California and is enforced by the CDPH. Pursuant to Title 17 and EPA regulations, lead-based paint is defined as paint or other surface coatings containing an amount of lead equal to or greater than one milligram per square centimeter (1.0 mg/cm²) or more than half of one percent [$>0.5\%$ or 5,000 parts per million (ppm)] by weight. Title 17 also defines a lead hazard as deteriorated lead-based paint, disturbing lead-based paint or presumed lead-based paint without containment, or any other nuisances which may result in persistent or quantifiable lead exposure. Additionally, worker exposure to materials containing lead during construction work is regulated by the Federal OSHA [29 CFR 1926.62(a)] and the DOSH [8 CCR §1532.1(a)]. These regulations require worker protection during construction “...where lead or materials containing lead are present.”

Lead is a potential health hazard. Its condition, handling and disposal are regulated by federal, state, and local agencies. Lead in paint generally does not pose a health threat unless the material is disturbed or sufficiently deteriorated to produce dust, which may become airborne and inhaled or ingested. Contractors working in the facility should be informed of the type and the location of lead-containing materials. Applicable Federal and DOSH regulations may apply depending on the work being performed.

Sampling and Analysis

Stantec assessed the condition of painted surfaces at the Property in general accordance with Chapter 5 of the United States, Housing and Urban Development (HUD) guidelines. Paint that is in fair and/or poor condition presents the highest risk for lead exposure. Samples of paint observed to be in fair and/or poor condition, as well as intact paint, were collected from building components as a part of this survey. The definitions of paint condition are dependent on the location of the paint and component involved. Table 2 below illustrates how HUD categorizes paint condition under various circumstances.

Table 2 – HUD Categories of Paint Film Quality

Type of Building Component	Total Area of Deteriorated Paint		
	Intact	Fair	Poor
Exterior components with large surface areas.	Entire Surface is Intact	Less than or equal to 10 square feet.	More than 10 square feet
Interior components with large surface areas (walls, ceilings, floors, doors).	Entire Surface is Intact	Less than or equal to 2 square feet.	More than 2 square feet.
Interior and exterior components with small surface areas (window sills, baseboards, soffits, trim)	Entire Surface is Intact	Less than or equal to 10 percent of the total surface area of the component.	More than 10 percent of the total surface area of the component.

Paint chip samples were collected by removing the material using hand tools to extract representative pieces. A hard sided container was used to contain the samples of suspect material. A unique sample number was assigned to each sample.



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Mr. Lelie

Reference: Pre-Demolition Asbestos and Lead-Based Paint Survey
1017 West 141st Street and 14031 South Vermont Avenue, Gardena, California

Most of the walls were observed in good intact condition; therefore, only two bulk paint-chip samples were collected. Given the interior paint was intact it was difficult to collect a bulk paint-chip sample without damage to the building. An insufficient amount of white interior paint was collected from the office building (P-1), therefore the sample could not be analyzed. Paint sample P-2 was analyzed by Flame Atomic Absorption Spectrometry following the EPA SW 846-7000B/7420 analytical protocol. The samples were submitted to EMSL Analytical, Inc. in Cinnaminson, New Jersey. This laboratory is accredited by the American Industrial Hygiene Association (AIHA Lab ID 100194) under the Environmental Lead Laboratory Accreditation Program (ELLAP) as well as the CDPH Environmental Lab Accreditation Program (ELAP No. 2492) for bulk paint chip analysis. Please note, worker exposure to materials containing lead during construction related activities is regulated by the Code of Federal Regulations (CFR) Occupational Safety and Health Administration (OSHA) regulation [29 CFR 1926.62(a)] and the California Code of Regulations (CCR) DOSH regulation [8 CCR §1532.1(a)]. The Federal OSHA and the DOSH regulations require worker protection during construction “where lead containing coatings or paint is present”.

Laboratory analytical results and bulk sample logs are provided in Attachment A and a sample location map is provided in Attachment B. The CDPH Lead Hazard Evaluation Report form No. 8552 was submitted to the CDPH, as required, and a copy of this form is included in Attachment E.

Findings

Table 3 below provides a summary of the paint identified and sampled at the Property during this survey.

Sample Number	Sample Location	Paint Color	Substrate Material	Paint Condition	Estimated Quantity	Lead Content
P-1	Interior office building/storage suite near rollup door	White	Gypsum Board	Intact	8,000 SF	NA
P-2	Exterior of office building / security office	Brown	Stucco	Intact	3,000 SF	<0.0080%

Notes and Abbreviations:

SF = Square Feet

NA = Not Analyzed due to insufficient sample quantity

RECOMMENDATIONS

Asbestos-Containing Materials

The DOSH requires employers to implement specific work practices, which protect workers from airborne asbestos exposure, when materials are found to contain detectable concentrations of asbestos. Building materials, which contain even low levels of asbestos (trace amounts), can potentially generate concentrations of airborne asbestos fibers when disturbed. Therefore, control measures should be instituted by those disturbing ACMs which adequately address worker health and safety during planned renovation or demolition activities involving these materials.

It is recommended that ACMs be removed by a licensed abatement contractor prior to renovation, refurbishing, or demolition activities in accordance with all applicable laws, including guidelines of the Occupational Safety and Health Administration (“OSHA”). If the entire area of asbestos containing material is not affected by renovation, refurbishing, or demolition activities, spot abatement of the material could be completed provided it complies with applicable laws and regulations. This would entail only abating the affected areas. If the identified ACM is going to be



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Mr. Lelie

**Reference: Pre-Demolition Asbestos and Lead-Based Paint Survey
1017 West 141st Street and 14031 South Vermont Avenue, Gardena, California**

managed in-place, then written notification to employees, tenants, contractors, or purchasers of the Property in regards to the presence and location of ACMs and ACCMs is required pursuant to the California Health and Safety Code 25915.

It should be noted that the asbestos survey was limited to accessible materials only and did not include underground utilities. Historically, certain concealed materials may be present within wall cavities (e.g. electrical wire wrapping, insulation materials, vapor barrier paper, gypsum board, joint compound, etc.) that contain asbestos, and some underground utility piping has been known to contain asbestos (e.g. Transite pipe). If demolition of the Property includes removal of on-site portions of underground utilities (storm drains, sewer, domestic water laterals, etc.), evaluation of the asbestos content of these components must be performed prior to the removal process. Suspect materials identified in these locations are assumed positive for asbestos until sampling and analysis indicates otherwise. If during the course of a renovation/demolition project suspect ACMs are discovered that are not included within this report, those materials are to be assumed positive for asbestos unless additional sampling, analysis and/or assessment indicates otherwise.

Lead-Based Paint

None of the paints sampled and analyzed meet the definition of LBP or have detectable concentrations of lead above the laboratory reporting limit. Additionally, all of the interior paint was observed intact with no lead hazard observed. Therefore, there is no LBP hazard associated with the Property and no further action regarding the paint on the Property appears to be warranted at this time. This LBP assessment meets the requirements for building demolition.

LIMITATIONS

Reasonable efforts have been made by Stantec personnel to locate, sample, and/or identify suspect ACMs and LBPs associated with the Property. However, given the Property was occupied during the survey sampling locations were limited. This report is not intended to be a bidding document. For any facility, the existence of unique or concealed materials and debris is a possibility. In addition, sampling and laboratory analysis constraints typically hinder the investigation.

Stantec does not warrant, guarantee or profess to have the ability to locate or identify all hazardous materials in a facility. The survey is limited in nature, as only full demolition of the Property will reveal all concealed conditions. Stantec cannot warrant the effectiveness or damage thereof, at any of the patches or temporary repairs performed at sampling locations (carpet, gypsum board, etc.). This report is intended for use in planning based on the agreed upon scope of work. Quantities of materials identified are estimates only and would need to be verified. If during the course of a renovation/demolition project suspect ACMs or LBPs are discovered that are not included within this report, those materials should be treated accordingly until additional sampling, analysis and/or assessment can be performed.

Additionally, the passage of time may result in a change in the environmental characteristics at the Property. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions and recommendations expressed in this report are based only on conditions that were observed during Stantec's survey of the Property and test results provided by EMSL. These observations are time dependent, are subject to changing site conditions, and revisions to federal, state, and local regulations. Reliance on this letter report by Third Parties (i.e., other than KB Home) shall be at the Third Party's sole risk.



October 26, 2018

Mr. Lelie

Reference: Pre-Demolition Asbestos and Lead-Based Paint Survey
1017 West 141st Street and 14031 South Vermont Avenue, Gardena, California

If you have any questions regarding this report or require further clarification, please do not hesitate to contact the Stantec personnel identified below.

Respectfully submitted,

STANTEC CONSULTING SERVICES INC.

Prepared by:

Alicia Jansen, CAC #15-5379, LRCIA #19526
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Approved by:

Jason Stagno, CAC #12-4949, LRCIA #19068
Senior Scientist
Phone: (805) 719-9392
jason.stagno@stantec.com

Attachments: A: Laboratory Analytical Results and Bulk Sample Logs
B: Figures
C: Personnel Certifications and Laboratory Accreditations
D: Photographic Log
E: CDPH Form 8552



Attachment A

Laboratory Analytical Results and Bulk Sample Logs



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnaslab@EMSL.com

EMSL Order: 041816287

Customer ID: STTC26

Customer PO:

Project ID:

Attention: Alicia Jansen

Stantec Consulting Services Inc.

25864 Business Center Drive, Suite F

Redlands, CA 92374

Phone: (909) 335-6116

Fax:

Received Date: 05/31/2018 9:30 AM

Analysis Date: 06/05/2018 - 06/06/2018

Collected Date: 05/30/2018

Project: 185804137 / KB Lucky Lady / ACM/LBP Survey / Lucky Lady

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01A 041816287-0001	HR Office - Cove Base Adhesive - White/Yellow	White/Yellow Non-Fibrous Homogeneous	HA: 01	100% Non-fibrous (Other)	None Detected
01B 041816287-0002	HR Office - Cove Base Adhesive - White/Yellow	White/Yellow Non-Fibrous Homogeneous	HA: 01	100% Non-fibrous (Other)	None Detected
01C 041816287-0003	Reception Accounting - Cove Base Adhesive - White/Yellow	White/Yellow Non-Fibrous Homogeneous	HA: 01	100% Non-fibrous (Other)	None Detected
01D 041816287-0004	Storage - Cove Base Adhesive - White/Yellow	White/Yellow Non-Fibrous Homogeneous	HA: 01	100% Non-fibrous (Other)	None Detected
01E 041816287-0005	Open Office Space - Cove Base Adhesive - White/Yellow	White/Yellow Non-Fibrous Homogeneous	HA: 01	100% Non-fibrous (Other)	None Detected
02A 041816287-0006	HR Office - Cove Base - Brown	Brown Non-Fibrous Homogeneous	HA: 02	100% Non-fibrous (Other)	None Detected
02B 041816287-0007	HR Office - Cove Base - Brown	Brown Non-Fibrous Homogeneous	HA: 02	100% Non-fibrous (Other)	None Detected
02C 041816287-0008	Reception Accounting - Cove Base - Brown	Brown Non-Fibrous Homogeneous	HA: 02	100% Non-fibrous (Other)	None Detected
02D 041816287-0009	Storage - Cove Base - Brown	Brown Non-Fibrous Homogeneous	HA: 02	100% Non-fibrous (Other)	None Detected
02E 041816287-0010	Open Office Space - Cove Base - Brown	Brown Non-Fibrous Homogeneous	HA: 02	100% Non-fibrous (Other)	None Detected
03A 041816287-0011	HR Hallway - Carpet Mastic - Yellow	Yellow Non-Fibrous Homogeneous	HA: 03	100% Non-fibrous (Other)	None Detected
03B 041816287-0012	HR Hallway - Carpet Mastic - Yellow	Yellow Non-Fibrous Homogeneous	HA: 03	100% Non-fibrous (Other)	None Detected

Initial report from: 06/06/2018 08:04:53



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041816287

Customer ID: STTC26

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
03C 041816287-0013	HR Hallway - Carpet Mastic - Yellow	Yellow Non-Fibrous Homogeneous	HA: 03	100% Non-fibrous (Other)	None Detected
04A 041816287-0014	HR Office - Leveling Compound - White	Gray/White Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
04B 041816287-0015	HR/Account Hallway - Leveling Compound - White	Gray/White Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
04C 041816287-0016	RR - Leveling Compound - White	Gray/White Non-Fibrous Homogeneous	HA: 04	100% Non-fibrous (Other)	None Detected
05A 041816287-0017	Restroom - Vinyl Floor Sheeting - Black/White	White/Black Fibrous Homogeneous	HA: 05	20% Cellulose 10% Glass 70% Non-fibrous (Other)	None Detected
05B 041816287-0018	Hallway - Vinyl Floor Sheeting - Black/White	White/Black Fibrous Homogeneous	HA: 05	20% Cellulose 10% Glass 70% Non-fibrous (Other)	None Detected
05C 041816287-0019	Restroom - Vinyl Floor Sheeting - Black/White	White Non-Fibrous Homogeneous	HA: 05	20% Cellulose 10% Glass 70% Non-fibrous (Other)	None Detected
06A 041816287-0020	Restroom - Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 06	100% Non-fibrous (Other)	None Detected
06B 041816287-0021	Hallway - Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 06	100% Non-fibrous (Other)	None Detected
06C 041816287-0022	Restroom - Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 06	100% Non-fibrous (Other)	None Detected
07A 041816287-0023	HR Restroom - Cove Base - Black	Black Non-Fibrous Homogeneous	HA: 07	100% Non-fibrous (Other)	None Detected
07B 041816287-0024	HR Restroom - Cove Base - Black	Black Non-Fibrous Homogeneous	HA: 07	100% Non-fibrous (Other)	None Detected
07C 041816287-0025	HR Restroom - Cove Base - Black	Black Non-Fibrous Homogeneous	HA: 07	100% Non-fibrous (Other)	None Detected
07D 041816287-0026	Storage - Cove Base - Black	Black Non-Fibrous Homogeneous	HA: 07	100% Non-fibrous (Other)	None Detected

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EMSL Order: 041816287

Customer ID: STTC26

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
07E 041816287-0027	Storage - Cove Base - Black	Black Non-Fibrous Homogeneous	HA: 07	100% Non-fibrous (Other)	None Detected
08A 041816287-0028	HR Restroom - Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 08	100% Non-fibrous (Other)	None Detected
08B 041816287-0029	HR Restroom - Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 08	100% Non-fibrous (Other)	None Detected
08C 041816287-0030	HR Restroom - Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 08	100% Non-fibrous (Other)	None Detected
08D 041816287-0031	Storage - Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 08	100% Non-fibrous (Other)	None Detected
08E 041816287-0032	Storage - Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 08	100% Non-fibrous (Other)	None Detected
09A 041816287-0033	HR Hallway - Gypsum Board	White Fibrous Homogeneous	10% Cellulose 5% Glass HA: 09	85% Non-fibrous (Other)	None Detected
09B 041816287-0034	HR Copy Room - Gypsum Board	White Fibrous Homogeneous	10% Cellulose 5% Glass HA: 09	85% Non-fibrous (Other)	None Detected
09C 041816287-0035	Hallway - Gypsum Board	White Fibrous Homogeneous	10% Cellulose 5% Glass HA: 09	85% Non-fibrous (Other)	None Detected
09D 041816287-0036	Storage - Gypsum Board	White Fibrous Homogeneous	10% Cellulose 5% Glass HA: 09	85% Non-fibrous (Other)	None Detected
09E 041816287-0037	Office - Gypsum Board	White Fibrous Homogeneous	10% Cellulose 5% Glass HA: 09	85% Non-fibrous (Other)	None Detected
09F 041816287-0038	Office - Gypsum Board	White Fibrous Homogeneous	10% Cellulose 5% Glass HA: 09	85% Non-fibrous (Other)	None Detected
09G 041816287-0039	Training Room - Gypsum Board	White Fibrous Homogeneous	10% Cellulose 5% Glass HA: 09	85% Non-fibrous (Other)	None Detected
10A 041816287-0040	HR Hallway - Joint Compound	White Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
10B 041816287-0041	HR Copy Room - Joint Compound	White Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
10C 041816287-0042	Hallway - Joint Compound	White Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
10D 041816287-0043	Storage - Joint Compound	White Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
10E 041816287-0044	Office - Joint Compound	White Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
10F 041816287-0045	Office - Joint Compound	White Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
10G 041816287-0046	Training Room - Joint Compound	White Non-Fibrous Homogeneous	HA: 10	100% Non-fibrous (Other)	None Detected
11A 041816287-0047	HR - Carpet Mastic - Yellow/White	White/Yellow Non-Fibrous Homogeneous	HA: 11	100% Non-fibrous (Other)	None Detected
11B 041816287-0048	Reception - Carpet Mastic - Yellow/White	Yellow Non-Fibrous Homogeneous	HA: 11	100% Non-fibrous (Other)	None Detected
11C 041816287-0049	Storage - Carpet Mastic - Yellow/White	Yellow Non-Fibrous Homogeneous	HA: 11	100% Non-fibrous (Other)	None Detected
12A 041816287-0050	Reception - VFT - Red/Brown	Brown Non-Fibrous Homogeneous	HA: 12	92% Non-fibrous (Other)	8% Chrysotile
12B 041816287-0051	Reception - VFT - Red/Brown	Brown Non-Fibrous Homogeneous	HA: 12	92% Non-fibrous (Other)	8% Chrysotile
13A 041816287-0052	Reception - Mastic - Black	Black Non-Fibrous Homogeneous	HA: 13	98% Non-fibrous (Other)	2% Chrysotile
13B 041816287-0053	Reception - Mastic - Black	Black Non-Fibrous Homogeneous	HA: 13	98% Non-fibrous (Other)	2% Chrysotile
14A 041816287-0054	Reception - Carpet Mastic - Yellow	Yellow Non-Fibrous Homogeneous	HA: 14	100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
14B 041816287-0055	Storage - Carpet Mastic - Yellow	Yellow Non-Fibrous Homogeneous	HA: 14	100% Non-fibrous (Other)	None Detected
14C 041816287-0056	Copy Room - Carpet Mastic - Yellow	Yellow Non-Fibrous Homogeneous	HA: 14	100% Non-fibrous (Other)	None Detected
15A 041816287-0057	HR Office - Gypsum Board	Pink Fibrous Homogeneous	15% Cellulose HA: 15	85% Non-fibrous (Other)	None Detected
15B 041816287-0058	HR Office - Gypsum Board	Pink Fibrous Homogeneous	15% Cellulose HA: 15	85% Non-fibrous (Other)	None Detected
15C 041816287-0059	HR Office - Gypsum Board	Pink Fibrous Homogeneous	15% Cellulose HA: 15	85% Non-fibrous (Other)	None Detected
16A 041816287-0060	HR Office - Joint Compound - White	White Non-Fibrous Homogeneous	HA: 16	100% Non-fibrous (Other)	None Detected
16B 041816287-0061	HR Office - Joint Compound - White	White Non-Fibrous Homogeneous	HA: 16	100% Non-fibrous (Other)	None Detected
16C 041816287-0062	HR Office - Joint Compound - White	White Non-Fibrous Homogeneous	HA: 16	100% Non-fibrous (Other)	None Detected
17A 041816287-0063	HR - ACT - White	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool HA: 17	20% Non-fibrous (Other)	None Detected
17B 041816287-0064	Hallway - ACT - White	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool HA: 17	20% Non-fibrous (Other)	None Detected
17C 041816287-0065	Training Room - ACT - White	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool HA: 17	20% Non-fibrous (Other)	None Detected
18A 041816287-0066	HR Office - Texture Ceiling Spray	White Non-Fibrous Homogeneous	HA: 18	100% Non-fibrous (Other)	None Detected
18B 041816287-0067	HR Office - Texture Ceiling Spray	White Non-Fibrous Homogeneous	HA: 18	100% Non-fibrous (Other)	None Detected
18C 041816287-0068	HR Office - Texture Ceiling Spray	White Non-Fibrous Homogeneous	HA: 18	100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19A 041816287-0069	Office HR - ACT - White	White Fibrous Homogeneous	50% Cellulose 40% Min. Wool	10% Non-fibrous (Other)	None Detected
HA: 19					
19B 041816287-0070	Office HR - ACT - White	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
HA: 19					
19C 041816287-0071	Traning Room - ACT - White	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
HA: 19					
19D 041816287-0072	Hallway - ACT - White	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
HA: 19					
19E 041816287-0073	Open Office - ACT - White	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
HA: 19					
20A 041816287-0074	NWC - Roofing System - Black/White	White/Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
HA: 20					
20B 041816287-0075	NWC - Roofing System - Black/White	White/Black Non-Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
HA: 20					
20C 041816287-0076	West Side - Roofing System - Black/White	White/Black Non-Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
HA: 20					
21A 041816287-0077	NWC - Sealant - Light Gray	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 21					
21B 041816287-0078	NWC - Sealant - Light Gray	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 21					
22A 041816287-0079	W Side - Sealant - Black	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
HA: 22					
23A 041816287-0080	Exterior Storage - Stucco - Beige	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 23					
23B 041816287-0081	Exterior Security - Stucco - Beige	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
HA: 23					
23C 041816287-0082	Exterior Storage - Stucco - Beige	Black/Beige Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
HA: 23					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23D 041816287-0083	Exterior Office - Stucco - Beige	Beige Non-Fibrous Homogeneous	HA: 23	100% Non-fibrous (Other)	None Detected
23E 041816287-0084	Exterior Office - Stucco - Beige	Beige Non-Fibrous Homogeneous	HA: 23	100% Non-fibrous (Other)	None Detected
24A 041816287-0085	Office Storage - Carpet Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 24	100% Non-fibrous (Other)	None Detected
24B 041816287-0086	Office Storage - Carpet Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 24	100% Non-fibrous (Other)	None Detected
24C 041816287-0087	Office Storage - Carpet Adhesive - Yellow	Yellow Non-Fibrous Homogeneous	HA: 24	100% Non-fibrous (Other)	None Detected
25A 041816287-0088	Storage - Epoxy - Gray	Gray Non-Fibrous Homogeneous	HA: 25	100% Non-fibrous (Other)	None Detected
25B 041816287-0089	Storage - Epoxy - Gray	Gray Non-Fibrous Homogeneous	HA: 25	100% Non-fibrous (Other)	None Detected
25C 041816287-0090	Storage - Epoxy - Gray	Gray Non-Fibrous Homogeneous	HA: 25	100% Non-fibrous (Other)	None Detected
25D 041816287-0091	Storage - Epoxy - Gray	Gray Non-Fibrous Homogeneous	HA: 25	100% Non-fibrous (Other)	None Detected
25E 041816287-0092	Storage - Epoxy - Gray	Gray Non-Fibrous Homogeneous	HA: 25	100% Non-fibrous (Other)	None Detected
26A 041816287-0093	RR - VFT - Gray	Non-Fibrous Homogeneous	HA: 26	100% Non-fibrous (Other)	None Detected
26B 041816287-0094	RR - VFT - Gray	Gray Non-Fibrous Homogeneous	HA: 26	100% Non-fibrous (Other)	None Detected
26C 041816287-0095	RR - VFT - Gray	Gray Non-Fibrous Homogeneous	HA: 26	100% Non-fibrous (Other)	None Detected
27A 041816287-0096 Sample bag Labelled 27A, 36A and 37A. Changed to 35A and 36A	RR - VFT - Light Gray	Gray Non-Fibrous Homogeneous	HA: 27	100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
27B 041816287-0097	RR - VFT - Light Gray	Gray Non-Fibrous Homogeneous	HA: 27	100% Non-fibrous (Other)	None Detected
27C 041816287-0098	RR - VFT - Light Gray	Gray Non-Fibrous Homogeneous	HA: 27	100% Non-fibrous (Other)	None Detected
28A 041816287-0099	East Wall - Gypsum Board - White	White Fibrous Homogeneous	HA: 28	10% Cellulose 90% Non-fibrous (Other)	None Detected
28B 041816287-0100	East Wall - Gypsum Board - White	White Fibrous Homogeneous	HA: 28	20% Cellulose 80% Non-fibrous (Other)	None Detected
28C 041816287-0101	East Wall - Gypsum Board - White	White Non-Fibrous Homogeneous	HA: 28	10% Cellulose 90% Non-fibrous (Other)	None Detected
29A 041816287-0102	Interior East - Joint Compound - White	White Non-Fibrous Homogeneous	HA: 29	100% Non-fibrous (Other)	None Detected
29B 041816287-0103	Interior East - Joint Compound - White	White Non-Fibrous Homogeneous	HA: 29	100% Non-fibrous (Other)	None Detected
29C 041816287-0104	Interior East - Joint Compound - White	White Non-Fibrous Homogeneous	HA: 29	100% Non-fibrous (Other)	None Detected
30A 041816287-0105	South Exterior - Stucco - Beige	Beige Non-Fibrous Homogeneous	HA: 30	100% Non-fibrous (Other)	None Detected
30B 041816287-0106	South Exterior - Stucco - Beige	Beige Non-Fibrous Homogeneous	HA: 30	100% Non-fibrous (Other)	None Detected
30C 041816287-0107 Sample appears different from others in HA group	South Exterior - Stucco - Beige	Black/Beige Non-Fibrous Homogeneous	HA: 30	94% Non-fibrous (Other)	6% Chrysotile
30D 041816287-0108	West Exterior - Stucco - Beige	Beige Non-Fibrous Homogeneous	HA: 30	100% Non-fibrous (Other)	None Detected
30E 041816287-0109	West Exterior - Stucco - Beige	Beige Non-Fibrous Homogeneous	HA: 30	100% Non-fibrous (Other)	None Detected
31A 041816287-0110	NW Corner - Roofing System - Black/White	White/Black Fibrous Homogeneous	HA: 31	15% Glass 85% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
31B 041816287-0111	W Side - Roofing System - Black/White	White/Black Non-Fibrous Homogeneous	20% Glass HA: 31	80% Non-fibrous (Other)	None Detected
31C 041816287-0112	SW Corner - Roofing System - Black/White	White Non-Fibrous Homogeneous	15% Glass HA: 31	85% Non-fibrous (Other)	None Detected
32A 041816287-0113	NWC - Sealant - Light Gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32B 041816287-0114	W Side - Sealant - Light Gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32C 041816287-0115	SWC - Sealant - Light Gray	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33A 041816287-0116	W Wall - Plaster - Light Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33B 041816287-0117	W Wall - Plaster - Light Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33C 041816287-0118	W Wall - Plaster - Light Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34A 041816287-0119	Shower - Plaster - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34B 041816287-0120	Shower - Plaster - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34C 041816287-0121	Shower - Plaster - White	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35A 041816287-0122 Sample bag labeled 27A 36A and 37A. Changed to 35A and 36A to match COC	Restroom - Mastic - Yellow	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35B 041816287-0123	Restroom - Mastic - Yellow	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35C 041816287-0124	Restroom - Mastic - Yellow	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
36A	Restroom - Mastic - Black	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
041816287-0125 Sample bag labeled 27A, 36A and 37A. Change to 35A and 36A to match COC					
HA: 36					
36B	Restroom - Mastic - Black	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
041816287-0126					
HA: 36					
36C	Restroom - Mastic - Black	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
041816287-0127					
HA: 36					
37A	Guard Shack #1 - Asphalt Shingles - Black	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
041816287-0128					
HA: 37					
37B	Guard Shack #1 - Asphalt Shingles - Black	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
041816287-0129					
HA: 37					
37C	Guard Shack #1 - Asphalt Shingles - Black	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
041816287-0130					
HA: 37					
38A	Guard Shack #2 - Asphalt Shingles - Black	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
041816287-0131					
HA: 38					
38B	Guard Shack #2 - Asphalt Shingles - Black	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
041816287-0132					
HA: 38					
38C	Guard Shack #2 - Asphalt Shingles - Black	Black Fibrous Homogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
041816287-0133					
HA: 38					
39A	Guard Shack #2 - VFS - White	White Fibrous Homogeneous	15% Cellulose 10% Glass	75% Non-fibrous (Other)	None Detected
041816287-0134					
HA: 39					
39B	Guard Shack #2 - VFS - White	White Fibrous Homogeneous	15% Cellulose 10% Glass	75% Non-fibrous (Other)	None Detected
041816287-0135					
HA: 39					
39C	Guard Shack #2 - VFS - White	White Non-Fibrous Homogeneous	15% Cellulose 10% Glass	75% Non-fibrous (Other)	None Detected
041816287-0136					
HA: 39					
40A	Guard Shack #2 - Gypsum Board	White Non-Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
041816287-0137					
HA: 40					
40B	Guard Shack #2 - Gypsum Board	White Non-Fibrous Homogeneous	20% Cellulose 5% Glass	75% Non-fibrous (Other)	None Detected
041816287-0138					
HA: 40					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
40C 041816287-0139	Guard Shack #2 - Gypsum Board	White Non-Fibrous Homogeneous	3% Cellulose HA: 40	97% Non-fibrous (Other)	None Detected
41A 041816287-0140	Guard Shack #2 - Joint Compound - White	White Non-Fibrous Homogeneous	 HA: 41	100% Non-fibrous (Other)	None Detected
41B 041816287-0141	Guard Shack #2 - Joint Compound - White	White Non-Fibrous Homogeneous	 HA: 41	100% Non-fibrous (Other)	None Detected
41C 041816287-0142	Guard Shack #2 - Joint Compound - White	White Non-Fibrous Homogeneous	 HA: 41	100% Non-fibrous (Other)	None Detected

Analyst(s)

Andrew Burke (26)

Gregory Barry (32)

Jesus Cuevas (35)

Nancy Stalter (49)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 06/06/2018 08:04:53



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

200 Route 130 North

Cinnaminson, NJ 08077
PHONE: 1-800-229-3575
(856) 786-5974

041816287

Company Name : Stantec Consulting Services Inc		EMSL Customer ID:	
Street: 25864-F Business Center Drive		City: Redlands	State/Province: CA
Zip/Postal Code: 95237	Country: US	Telephone #: 909-255-8213	Fax #:
Report To (Name): Alicia Jansen		Please Provide Results: ☐ Fax ☒ Email	
Email Address: alicia.jansen@stantec.com		Purchase Order:	
Project Name/Number: 185804137 / KB Lucky Lady		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: CA		CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt	
EMSL-Bill to: ☒ Same ☐ Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air ☐ Check if samples are from NY ☐ NIOSH 7400 ☐ w/ OSHA 8hr. TWA		TEM - Air ☐ 4-4.5hr TAT (AHERA only) ☐ AHERA 40 CFR, Part 763 ☐ NIOSH 7402 ☐ EPA Level II ☐ ISO 10312	
PLM - Bulk (reporting limit) ☒ PLM EPA 600/R-93/116 (<1%) ☐ PLM EPA NOB (<1%) Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%) Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%) ☐ NYS 198.1 (friable in NY) ☐ NYS 198.6 NOB (non-friable-NY) ☐ NYS 198.8 SOF-V ☐ NIOSH 9002 (<1%)		TEM - Bulk ☐ TEM EPA NOB ☐ NYS NOB 198.4 (non-friable-NY) ☐ Chatfield SOP ☐ TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm ☐ Waste ☐ Drinking All Fiber Sizes ☐ Waste ☐ Drinking	
TEM- Dust ☐ Microvac - ASTM D 5755 ☐ Wipe - ASTM D6480 ☐ Carpet Sonication (EPA 600/J-93/167)		Soil/Rock/Vermiculite ☐ PLM EPA 600/R-93/116 with milling prep (<1%) ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%) ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%) ☐ TEM Qualitative via Filtration Prep ☐ TEM Qualitative via Drop Mount Prep ☐ Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)	
☐ Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm	
Samplers Name: Alicia Jansen		Samplers Signature: <i>CJansen</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	See attached logs		
Client Sample # (s): HA-01A		Total # of Samples: 142	
Relinquished (Client): <i>CJansen</i>		Date: 5/30/10	Time: 1437
Received (Lab):		Date:	Time:
Comments/Special Instructions:			



Bulk Sample Log

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Inspector: A. Jansen

SAMPLES	
Sample #	Sample Location
01 A	HQ office
01 B	fur office
01 C	Reception Area
01 D	Storage
01 E	open office space
F	
G	

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:		Low	High
Vibration:		Low	High
Air Movement:		Low	High

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Date:



Bulk Sample Log

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Ucheny

Inspector: A. Jansen

Date: 5-30-18

MATERIAL	
HA#	02
Material Type:	Cable bcs
Color:	Brown
Description:	2" Brown
Estimated Total Qty.:	2,000 LF

[illegible]

SAMPLES	
Sample #	Sample Location
02 A	HR office
02 B	HR office
02 C	Reception Area
02 D	Storage
02 E	open office space
02 F	
G	

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

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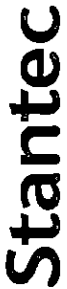
Notes:

Relinquished By: 

Date: 5/30/03

Received By:

Date:



Bulk Sample Log

0482918170

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey _____ Task #: _____
Project #: 185804137 _____
: _____
Site Name: Lucy Lee Date: 5-30-18
Site Address: 1017 West 141st Street Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	84
Material Type:	Leveling Compound
Color:	White
Description:	Beneath carpet + VPS
Estimated Total Qty.:	

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

[illegible]

SAMPLES	
Sample #	Sample Location
04 A	HR of R.R.
04 B	HR / Account holder
04 C	RR
D	
E	
F	
G	

Notes:

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Bulk Sample Log

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

6257

Inspector: A. Jansen

Date: S-3a-18

MATERIAL	
HA#	CS
Material Type:	Ac Vinyl Flooring Slabs
Color:	Black / GRAY
Description:	Perabbed
Estimated Total Qty.:	900 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
05 A	Restroom
05 B	Hallway
05 C	Vestroom
D	
E	
F	
G	

Notes:

HAZARD ASSESSMENT				
	Friable:	Yes	No	
		Contact by Maintenance:	Low	High
	Vibration:	Low	Med	High
	Air Movement:	Low	Med	High

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Date:

Date:

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Bulk Sample Log

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Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Wicky Leong

Inspector: A. Jansen

Date: 5-30-18

MATERIAL	
HA#	000
Material Type:	Adhesive
Color:	Yellow
Description:	Bonded HA #05
Estimated Total Qty.:	900 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
A	Restroom
B	Hallway
C	Vestibule
D	
E	
F	
G	

HAZARD ASSESSMENT				
Friable:	Yes	☒ No		
		Contact by Maintenance:	Med	High
		Vibration:	Med	High
		Air Movement:	Med	High

Notes:

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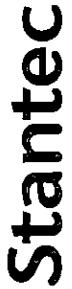
Date:

Received By:

Date:

Relinquished By:

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Bulk Sample Log

041619170

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey _____
 Project #: 185804137 Task #: _____
 : _____

MATERIAL	
HA#	07
Material Type:	Cove base
Color:	Black
Description:	3" Black Cove base
Estimated Total Qty.:	30 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
07 A	HR Restroom
07 B	↓
07 C	
07 D	Storage
07 E	Storage
F	
G	

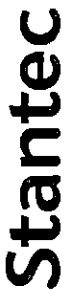
HAZARD ASSESSMENT			
Friable:	Yes		
Contact by Maintenance:		Med	High
Vibration:		Med	High
Air Movement:		Med	High

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Relinquished By: [Signature] Date: 5/30/18 Received By: _____ Date: _____

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Bulk Sample Log

001711428

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey Task #: Project #: 185804137 Site Name: Wey 107 Date: 2-28-18 Site Address: 1017 West 141st Street Inspector: A. Jansen Gardena, CA

MATERIAL	
HA#	08
Material Type:	Adhesive
Color:	Yellow
Description:	Behind HA#057
Estimated Total Qty.:	30 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
08 A	412 Restroom
08 B	↓
08 C	
08 D	Storage
08 E	Storage
F	
G	

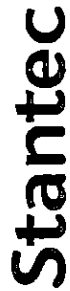
HAZARD ASSESSMENT		
	Yes	No
Frailty:		
Contact by Maintenance:	Low	High
Vibration:	Low	High
Air Movement:	Low	High

Notes:

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Bulk Sample Log

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

355

Inspector: A. Jansen

Date: 5/30/14

MATERIAL	
HA#	000 09
Material Type:	Gypsum Board
Color:	White
Description:	TL/S walls
Estimated Total Qty.:	7,000 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
09 A	H2 Tank
09 B	H2 Comp Room
09 C	Storage Tank
09 D	Storage
09 E	office
09 F	office
09 G	training room

HAZARD ASSESSMENT			
Friable:	Yes		No
	Contact by Maintenance:	Low	Med
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

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041416287

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey Task #: _____
Project #: 185804137 _____
: _____
Site Name: Lucky Lady _____
Site Address: 1017 West 141st Street _____
Gardena, CA _____
Date: 5/30/19 _____
Inspector: A. Jansen _____

MATERIAL	
HA#	10
Material Type:	Joint Compound
Color:	White
Description:	T/O Cauls
Estimated Total Qty.:	7,000 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
10 A	HR ten "wy
10 B	HR Copy Room
10 C	Storage ten "wy
10 D	Storage
10 E	office
10 F	office
10 G	training room

HAZARD ASSESSMENT				
	Friable:	Yes	No	
		Contact by Maintenance:	Low	Med
	Vibration:	Low	Med	High
	Air Movement:	Low	Med	High

Notes:

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Date:

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Bulk Sample Log

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

300

Inspector: A. Jansen

Date: 5/3/

A. Jansen

MATERIAL	
HA#	11
Material Type:	Carpet Master
Color:	Yellow/white
Description:	Beach Flower print
Estimated Total Qty.:	1000 12 A2

[illegible]

SAMPLES	
Sample #	Sample Location
11	HQ
11	Reception
11	Storage
11	
11	

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

Relinquished By:

Date:

5/30/03

Received By:

orderID: 041816287

6/9

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Bulk Sample Log

044816287

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey
Project #: 185804137 Task #:
Site Name: Lucky 1037
Site Address: 1017 West 141st Street
Gardena, CA
Date: 5-30-18
Inspector: A. Jansen

MATERIAL	
HA#	12
Material Type:	VF-T
Color:	Red/Brown
Description:	9" x 9" Bamboo Carpet
Estimated Total Qty.:	50442

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:		Low	High
Vibration:		Low	High
Air Movement:		Low	High

[illegible]

SAMPLES		Sample Location
12 A	Reception	
12 B		
C		
D		
E		
F		
G		

Notes:

* Hidden Beneath
Carpet. Bldg.
Still occupied so
Sanding space limited.

Relinquished By: C. D. Date: 5/30/18 Received By: _____ Date: _____



Bulk Sample Log

04416757

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey
Project #: 185804137
Task #:
Site Name: West 7607
Site Address: 1017 West 141st Street
Date: 5-30-18
Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	13
Material Type:	Mastic
Color:	Black
Description:	Brace HA #12
Estimated Total Qty.:	50 ft

[illegible]

SAMPLES	
Sample #	Sample Location
13 A	Receptor
13 B	↓
C	
D	
E	
F	
G	

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

Limited area observed.

Relinquished By: _____ Date: _____
Received By: _____ Date: _____

5/30/18

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Bulk Sample Log

041416287

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Luck Lady

Date:

Inspector: A. Jansen

MATERIAL	
HA#	14
Material Type:	Carpet Mastic
Color:	yellow
Description:	Benator Carpet
Estimated Total Qty.:	10 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
14 A	Reception
14 B	Reception Storage
14 C	Copy room
D	
E	
F	
G	

HAZARD ASSESSMENT

	Yes	No
Friable:		
Contact by Maintenance:	Low	High
Vibration:	Low	High
Air Movement:	Low	High

Notes:

* Slaley Creek

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Date: 7/30/88

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Date:



Bulk Sample Log

00191298

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey
Project #: 185804137 Task #:
Site Name: 1017 West 14th Street
Date: 5/30/18
Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	15
Material Type:	Gypsum Board
Color:	White
Description:	Walls Office
Estimated Total Qty.:	300 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
15 A	H12 office
15 B	↓
15 C	
D	
E	
F	
G	

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	Med
Vibration:	Low	Med
Air Movement:	Low	Med

Notes:

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Date:

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Bulk Sample Log

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25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey
Project #: 185804137 Task #:
Site Name: Wky Lowy Date: 5/30/18
Site Address: 1017 West 141st Street Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	16
Material Type:	Joint compound
Color:	White
Description:	bulk's 5 ft 40
Estimated Total Qty.:	300 ft ²

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

[illegible]

SAMPLES	
Sample #	Sample Location
16 A	fire office
16 B	↓
16 C	
D	
E	
F	
G	

Notes:

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Bulk Sample Log

041616287

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey Task #:
Project #: 185804137
Site Name: Lucky Lady Date: 5/30/18
Site Address: 1017 West 141st Street Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	17
Material Type:	ACT
Color:	White
Description:	nutri-bats
Estimated Total Qty.:	900 #2

[illegible]

SAMPLES	
Sample #	Sample Location
17 A	HR
17 B	Heelway
17 C	Heelway run
D	
E	
F	
G	

Notes:

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

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**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Wesley Leary

Inspector: A. Jansen

Date:

A. Jansen

MATERIAL	
HA#	18
Material Type:	texture ceiling spray
Color:	white
Description:	cellins panel
Estimated Total Qty.:	50 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
18 A	HR office
18 B	
18 C	
D	
E	
F	
G	

Notes:

HAZARD ASSESSMENT			
	Friable:	Yes!	No
		Contact by Maintenance:	Low
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

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Relinquished By: [Signature]

Date: 5/30/13

Received By:

Date:



Bulk Sample Log

0418/6287

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Site Name:

Site Address: 1017 West 141st Street

Date:

Inspector: A. Jansen

..

Gardena, CA

MATERIAL	
HA#	19
Material Type:	ACT
Color:	White
Description:	2x4 long dust + f58jv05
Estimated Total Qty.:	2,500 #2

[illegible]

SAMPLES	
Sample #	Sample Location
19 A	Office floor
19 B	Office floor
19 C	Fronting room
19 D	Hallway
19 E	Open office
F	
G	

HAZARD ASSESSMENT				
	Friable:	Yes	No	
		Contact by Maintenance:	Low	Med
	Vibration:	Low	Med	High
	Air Movement:	Low	Med	High

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Date: 5/30/18

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Date:

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Bulk Sample Log

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**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey Task #: _____
 Project #: 185804137
 : _____
 Site Name: Lucky Lady Date: 05/30/18
 Site Address: 1017 West 141st Street Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	20
Material Type:	Roofing System
Color:	Black & white
Description:	Tar & membrane
Estimated Total Qty.:	2,500

[illegible]

SAMPLES	
Sample #	Sample Location
20A	NWC
20B	NWC
20C	West Side
D	
E	
F	
G	

HAZARD ASSESSMENT			
	Friable:	Yes	☒ No
	Contact by Maintenance:	☒ Low	Med High
	Vibration:	☒ Low	Med High
	Air Movement:	☒ Low	Med High

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Notes:

Relinquished By:  Date: 8/30/18 Received By: _____ Date: _____

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Bulk Sample Log

041619170

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Lucky Lady

Inspector: A. Jansen

Date: 05/30/18

MATERIAL	
HA#	21
Material Type:	Sealant
Color:	light gray
Description:	Associated with roof penetrations
Estimated Total Qty.:	30 sf

[illegible]

SAMPLES	
Sample #	Sample Location
21 A	NWC
21 B	NWC
C	
D	
E	
F	
G	

HAZARD ASSESSMENT			
	Yes	No	
Friable:			
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

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041816287

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey Task #: Date: 05/30/18
Project #: 185804137 Inspector: A. Jansen
Site Name: Lucky Lady Site Address: 1017 West 141st Street
Gardena, CA

MATERIAL	
HA#	22
Material Type:	Sealant
Color:	Black
Description:	Associated with metal flashing
Estimated Total Qty.:	10 sf

[illegible]

SAMPLES	
Sample #	Sample Location
22 A	W side
22 B	
C	
D	
E	
F	
G	

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:		Low	Med High
Vibration:		Low	Med High
Air Movement:		Low	Med High

Notes:

HAZARD ASSESSMENT

Variable:

Yes

Co

Contact by

iii

Vibration:

MC

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Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey Task #: Date: 05/30/18
Project #: 185804137 Site Name: Lucky Lady Inspector: A. Jansen
Site Address: 1017 West 141st Street
Gardena, CA

MATERIAL	
HA#	23
Material Type:	Stucco
Color:	Beige
Description:	Exterior of Gate GLD's
Estimated Total Qty.:	8,000 Lr

[illegible]

SAMPLES	
Sample #	Sample Location
23A	Exterior Stove
23B	Exterior Security
23C	Exterior Stove
23D	Exterior of the
23E	↓
23F	↓
23G	↓

HAZARD ASSESSMENT			
	Friable:	Yes	No
		Contact by Maintenance:	Low
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

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04/16/2017

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Date:

Inspector: A. Jansen

MATERIAL	
HA#	24
Material Type:	Carpet Asbestos
Color:	Yellow
Description:	Office/Suit
Estimated Total Qty.:	5000

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
1	Storage	5000	G
	Office		

SAMPLES	
Sample #	Sample Location
24 A	Office Storage
24 B	
24 C	
D	
E	
F	
G	

Notes:

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

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Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Lucky lady

Inspector: A. Jansen

Date:

A. Jansen

MATERIAL	
HA#	25
Material Type:	Epoxy
Color:	Gray
Description:	Floor/concrete sealant
Estimated Total Qty.:	1,100 sf

HAZARD ASSESSMENT				
	Friable: Contact by Maintenance: Vibration: Air Movement:	Yes		No
		Low	Med	High
		Low	Med	High
		Low	Med	High

[illegible]

SAMPLES	
Sample #	Sample Location
25 A	Storage
25 B	
25 C	
25 D	
25 E	
F	
G	

Notes:

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Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Lucky Lady

Inspector: A. Jansen

Date:

MATERIAL	
HA#	24
Material Type:	VFT
Color:	Gray
Description:	12" X 12" vinyl floor tile
Estimated Total Qty.:	25 sf

[illegible]

SAMPLES	
Sample #	Sample Location
26A	RR
26B	I
26C	I
D	
E	
F	
G	

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

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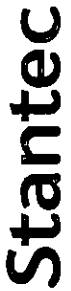
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Date:

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Bulk Sample Log

041416247

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey
Project #: 185804137 Task #:
Site Name: Wendy Lady Date: 05/30/08
Site Address: 1017 West 14th Street Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	27
Material Type:	VFT
Color:	Light Gray
Description:	12" X 12" vinyl floor tile
Estimated Total Qty.:	25 sf

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

[illegible]

SAMPLES	
Sample #	Sample Location
27A	RR
27B	I
27C	I
D	
E	
F	
G	

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04816287

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Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey Task #: _____
Project #: 185804137
: _____
Site Name: Lucky Lady Date: 05/30/18
Site Address: 1017 West 14th Street Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	28
Material Type:	Gypsum Board
Color:	White
Description:	Associated with walls
Estimated Total Qty.:	900 sq ft

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	Med High
Vibration:	Low	Med High
Air Movement:	Low	Med High

[illegible]

SAMPLES	
Sample #	Sample Location
28 A	East well bottom
28 B	↓
28 C	
D	
E	
F	
G	

Notes:

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0446287

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey Task #:
Project #: 185804137
Site Name: Mucky Lady Date: 05/30/18
Site Address: 1017 West 141st Street Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	29
Material Type:	Joint Compound
Color:	white
Description:	Associated with wall seams
Estimated Total Qty.:	900 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
29 A	Base Interior east
29 B	↓
29 C	
D	
E	
F	
G	

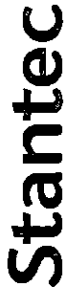
HAZARD ASSESSMENT				
	Friable:	Yes	No	
		Low	Med	
Contact by Maintenance:		Low	Med	High
Vibration:		Low	Med	High
Air Movement:		Low	Med	High

Notes:

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Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey
Project #: 185804137
Task #:
Site Name: Lucky Lady
Site Address: 1017 West 141st Street
Date: 05/30/18
Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	30
Material Type:	Stucco
Color:	Beige
Description:	Associated with exterior walls
Estimated Total Qty.:	5,250 #2

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

[illegible]

SAMPLES	
Sample #	Sample Location
30 A	South exterior
30 B	↓
30 C	
30 D	West Exterior
30 E	↓
F	
G	

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Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP SurveyProject #: 185804137

Task #:

Site Name: Lucky Lady

Site Address: 1017 West 141st Street

Gardena, CADate: 05/30/18Inspector: A. Jansen

MATERIAL	
HA#	31
Material Type:	Roofing System
Color:	Black & white
Description:	Tar & membrane
Estimated Total Qty.:	1,500

[illegible]

SAMPLES	
Sample #	Sample Location
31 A	NW corner
31 B	N side
31 C	SW corner
D	
E	
F	
G	

HAZARD ASSESSMENT					
	Friable:	Yes		No	
		Contact by Maintenance:	Low	Med	High
		Vibration:	Low	Med	High
		Air Movement:	Low	Med	High

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Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey
Project #: 185804137 Task #:
Site Name: Lucky Lady
Site Address: 1017 West 141st Street
Date: 6/5/30/18
Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	32
Material Type:	Sealant
Color:	light gray
Description:	Associated with roof penetrations
Estimated Total Qty.:	10 sf

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

[illegible]

SAMPLES	
Sample #	Sample Location
32A	NWC
32B	W side
32C	SWC
D	
E	
F	
G	

Notes:

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Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project #: 185804137

Task #:

Site Address: 1017 West 141st Street

Lucky (adv)

Inspector: A. Jansen

Date: 05/30/18

MATERIAL	
HA#	33
Material Type:	Plaster
Color:	light gray
Description:	Associated with wall on west side
Estimated Total Qty.:	20 sf

HAZARD ASSESSMENT			
Friable:	Yes	☒ No	
Contact by Maintenance:	☒ Low	Med	High
Vibration:	☒ Low	Med	High
Air Movement:	☒ Low	Med	High

[illegible]

SAMPLES	
Sample #	Sample Location
33A	Wall
33B	I
33C	
D	
E	
F	
G	

Notes:

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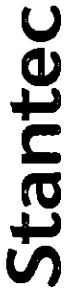
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Date: 5/30/13

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Date:

Page 33 of 41



Bulk Sample Log

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Address: 1017 West 141st Street

Gardena, CA

Site Name:

Site Address: 1017 West 141st Street

lucky lady

Inspector: A. Jansen

Date:

Inspector: A. Jansen

MATERIAL	
HA#	34
Material Type:	plaster
Color:	White
Description:	Associated with wall in shower
Estimated Total Qty.:	10 sf

[illegible]

SAMPLES	
Sample #	Sample Location
34 A	Shower
34 B	T
34 C	
D	
E	
F	
G	

HAZARD ASSESSMENT		
Friable:	Yes	No
Contact by Maintenance:	Low	Med
Vibration:	Low	Med
Air Movement:	Low	Med

HAZARD ASSESSMENT

	Yes	No
Friable:		
Contact by Maintenance:	Low	Med
Vibration:	Low	Med
Air Movement:	Low	Med

Relinquished By:

Date:

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Date:

Page 34 of 41

orderID: 041816287



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25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Inspector: A. Jansen

Date:

05/30/18

Gardena, CA

MATERIAL	
HA#	35
Material Type:	Mastic
Color:	Yellow
Description:	Associated with VFT
Estimated Total Qty.:	50 sf

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
01	Restroom	50 sf	G

SAMPLES	
Sample #	Sample Location
35 A	Restroom
35 B	
35 C	
D	
E	
F	
G	

Notes:

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

REC'D FBI CINEMA 18 MAY 31 AM 10:33 SON, NJ

Relinquished By: C. Jansen

Date: 5/30/18

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Date:



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Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name: Lucky Lady

Site Address: 1017 West 141st Street

Gardena, CA

Date: 05/30/18

Inspector: A. Jansen

MATERIAL	
HA#	36
Material Type:	Mastic
Color:	Black
Description:	Associated with VET
Estimated Total Qty.:	50 sf

[illegible]

SAMPLES	
Sample #	Sample Location
36 A	Rest room
36 B	
36 C	
D	
E	
F	
G	

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

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Tel: (909) 335-6116
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Page 39 of 42

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Inspector: A. Jansen

Date:

Date: 5-30-68

MATERIAL	
HA#	38
Material Type:	Asphalt Shingles
Color:	Black
Description:	Asphalt Shingles
Estimated Total Qty.:	50 #2

[illegible]

SAMPLES	
Sample #	Sample Location
38 A	Gravel Shovel #2
38 B	↓
38 C	↓
D	
E	
F	
G	

HAZARD ASSESSMENT				
	Friable:	Yes		No
		Low	Med	High
Contact by Maintenance:		Low	Med	High
Vibration:		Low	Med	High
Air Movement:		Low	Med	High

Notes:

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Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey Task #: _____
Project #: 185804137 _____
Site Name: Overo Shacht #2 _____
Site Address: 1017 West 141st Street _____
Date: 5/30/18 _____
Inspector: A. Jansen _____
Gardena, CA _____

MATERIAL	
HA#	39
Material Type:	UFS
Color:	White
Description:	Square Pattern self-stick
Estimated Total Qty.:	50 ft ²

[illegible]

SAMPLES	
Sample #	Sample Location
39 A	Quers Street HZ
39 B	↓
39 C	
D	
E	
F	
G	

HAZARD ASSESSMENT			
	Friable:	Yes	No
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

Notes:

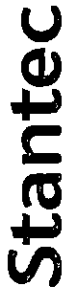
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Date: 5/30/12 Received By: _____

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25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: ACM/LBP Survey.

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Date:

Inspector: A. Jansen

MATERIAL	
HA#	40
Material Type:	Gypsum Board
Color:	White
Description:	Interior Walls
Estimated Total Qty.:	60 A2

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

[illegible]

SAMPLES	
Sample #	Sample Location
40 A	Gravel Shale #2
40 B	↓
40 C	
D	
E	
F	
G	

Notes:

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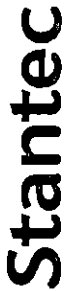
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Date:

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Date:

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Bulk Sample Log

07/19/2021

**25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120**

Project Name: ACM/LBP Survey
Project #: 185804137 Task #:
Site Name: Good Slide #2
Site Address: 1017 West 141st Street
Date: 5/30/18
Inspector: A. Jansen
Gardena, CA

MATERIAL	
HA#	41
Material Type:	Joint Compound
Color:	White
Description:	Interior walls
Estimated Total Qty.:	100 SF

[illegible]

SAMPLES	
Sample #	Sample Location
41 A	Good Shuck #2
41 B	
41 C	↓
D	
E	
F	
G	

HAZARD ASSESSMENT				
	Friable:	Yes	No	
		Contact by Maintenance:	Low	Med
	Vibration:	Low	Med	High
	Air Movement:	Low	Med	High

Notes:

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EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041818836

Customer ID: STTC26

Customer PO:

Project ID:

Attention: Alicia Jansen

Stantec Consulting Services Inc.

735 E. Carnegie Drive

Suite 280

San Bernardino, CA 92408

Phone: (909) 335-6116

Fax:

Received Date: 06/22/2018 9:25 AM

Analysis Date: 06/22/2018 - 06/23/2018

Collected Date: 06/21/2018

Project: Lucky Lady / Storage / Woodshop / 1017 141st St, Gardenia, CA / 185804137

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
42A 041818836-0001	South (by 30C) - Stucco	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42B-Stucco 1 041818836-0002	South (by 30B) - Stucco	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42B-Stucco 2 041818836-0002A	South (by 30B) - Stucco	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42C-Stucco 1 041818836-0003	South (by 30D) - Stucco	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42C-Stucco 2 041818836-0003A	South (by 30D) - Stucco	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Juli Patel (2)

Olufunke Akintunde (3)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 06/23/2018 09:15:45



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRADING

Chain of Custody

EMSL Order Number (Lab Use Only):

071818836

EMSL ANALYTICAL, INC.
200 ROUTE 180 NORTH
CINCINNATI, OH 45240
PHONE: (800) 229-3675
18 JUN 22 (856) 786-5974

Company: STANTEC CONSULTING		EMSL-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments**	
Street: 25864-F Business Center Drive		Third Party Billing requires written authorization from third party	
City: Redlands	State/Province: CA	Zip/Postal Code: 92374	Country: USA
Report To (Name): Alicia Jansen		Fax #: 909-335-6120	
Telephone #: 909-255-8213		Email Address: alicia.jansen@stantec.com	
Project Name/Number:			
Please Provide Results: ☐ Fax ☒ Email ☐ Purchase Order: U.S. State Samples Taken: CA			
Turnaround Time (TAT) Options* - Please Check			
☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week			
*For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability. Not all TAT options are valid for every test. Materials Science and IAQ TATs are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)			
Asbestos			
PCM - Air ☐ NIOSH 7400 ☐ w/ 8hr. TWA TEM - Air ☐ 4-4.5hr TAT (AHERA ONLY) ☐ AHERA 40 CFR, Part 763 ☐ NIOSH 7402 ☐ EPA Level II ☐ ISO 10312 TEM - Water Fibers $\geq 10\mu m$ ☐ Waste ☐ Drinking All Fiber Sizes ☐ Waste ☐ Drinking	PLM - Bulk ☒ PLM EPA 600/R-93/116 ☐ PLM EPA NOB (<1%) ☐ NYS 198.1 (friable-NY) ☐ NYS 198.6 (non-friable-NY) Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%) Point Count w/ Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%) TEM - Dust ☐ Microvac - ASTM D 5755 ☐ Wipe-ASTM D6480	TEM - Bulk ☐ TEM EPA NOB ☐ NYS NOB 198.4 (non-friable-NY) ☐ Chatfield SOP Soil/Rock/Vermiculite ☐ PLM CARB 435 - A (0.25% sensitivity) ☐ PLM CARB 435 - B (0.1% sensitivity) ☐ TEM CARB 435 - B (0.1% sensitivity) ☐ EPA Reg. 1 Screening Protocol (Qualitative) Other:	
Lead (Pb)		Materials Science	
Flame Atomic Absorption ☐ Chips SW846-7000B or AOAC 974.02 ☐ Soil SW846-7000B/7420 ☐ Air NIOSH 7082 ☐ Wastewater SM3111B or SW846-7000B/7420 ☐ ASTM Wipe SW846-7000B/7420 ☐ non ASTM Wipe SW846-7000B/7420 ☐ TCLP SW846-1311/7420/SM 3111B	ICP ☐ Air NIOSH 7300 Modified ☐ non ASTM Wipe SW846-6010B or C ☐ ASTM Wipe SW846-6010B or C ☐ Soil SW846-6010 B or C ☐ Waste Water SW846-6010B or C ☐ TCLP SW846-6010B or C	☐ Common Particle ID (large particles) ☐ Full Particle ID (environmental dust) ☐ Basic Material ID (solids) ☐ Advanced Material ID ☐ Physical Testing (Tensile, Compression) ☐ Combustion-by-products (soot, char, etc.) ☐ X-Ray Fluorescence (elem. analysis) ☐ X-Ray Diffraction (Crystalline Part.) ☐ MMVF's (Fibrous glass, RCF's) ☐ Particle Size (sieve/microscopy/laser) ☐ Combustible Dust ☐ Petrographic Examination Other:	
Graphite Furnace Atomic Absorption ☐ Soil SW846-7421 ☐ Wastewater EPA 200.9 ☐ Air NIOSH 7105 ☐ Drinking Water EPA 200.9	Other: ☐		
Microbiology			
Wipe and Bulk Samples ☐ Mold & Fungi - Direct Examination ☐ Mold & Fungi Culture (Genus Only) ☐ Mold & Fungi Culture (Genus & Species) ☐ Bacterial Count & ID (Up to Three Types) ☐ Bacterial Count & ID (Up to Five Types) ☐ MRSA ☐ Pseudomonas aeruginosa	Air Samples ☐ Mold & Fungi (Spore Trap) ☐ Mold & Fungi Culture (Genus Only) ☐ Mold & Fungi (Genus & Species) ☐ Bacterial Culture & ID (Up to Three Types) ☐ Bacterial Culture & ID (Up to Five Types) ☐ Endotoxin Testing Real Time Q-PCR (See Analytical Guide for Code) Code:	IAQ Nuisance Dust NIOSH ☐ 0500 ☐ 0600 Airborne Dust ☐ PM10 ☐ TSP Silica Analysis: ☐ All Species Silica Analysis - Single Species ☐ Alpha Quartz ☐ Cristobalite ☐ Tridymite ☐ HVAC Efficiency ☐ Carbon Black ☐ Airborne Oil Mist Radon Testing: Call for Kit and COC Other:	
Water Samples ☐ Total Coliform & E.coli (P/A) ☐ Fecal Coliform (SM 9222D) ☐ Sewage Screen ☐ Heterotrophic Plate Count (SM 9215)	Legionella ☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4 Other:		
**Comments/Special Instructions:			
Client Sample #'s MA-422		Total # of Samples: 3	
Relinquished (Client): [Signature]		Time: 7:50 am	
Received (Lab): [Signature]		Time: 9:35 am	
Date: 6-21-18		Date: 6-22-18	

Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide
Controlled Document-OneChain-R2-1/12/2010

3



Stantec

Bulk Sample Log

OrderID: 041818836

0418 18836

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

Project Name: Lucky Lady

Project #: 185864137

Site Name: Storage/Woodshop

Site Address: 1017 141st St

Date: 6-21-18

Inspector: A Jensen

: Gardner, CA

MATERIAL	
HA#	42
Material Type:	Stucco
Color:	Beige
Description:	Exterior walls
Estimated Total Qty.:	5,000 sq ft

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
1	Exterior	5K	G
	Storage/Woodshop		

SAMPLES	
Sample #	Sample Location
42 A	South (by 30C)
42 B	South (by 30B)
42 C	West (by 30D)
D	
E	
F	
G	

Notes:

HAZARD ASSESSMENT			
Friable:	Yes	No	
Contact by Maintenance:	Low	Med	High
Vibration:	Low	Med	High
Air Movement:	Low	Med	High

* Resample for
42A #30 due to error
JUN 22 AM 9:48
RECEIVED
EMSL
CINNAMINSON, NJ

Relinquished By: CD

Date: 6/21/18

Received By:

Date:

**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone/Fax: (856) 303-2500 / (856) 786-5974

<http://www.EMSL.com>cinnaminsonleadlab@emsl.com

EMSL Order: 201805863

CustomerID: STTC26

CustomerPO:

ProjectID:

Attn: **Alicia Jansen**
Stantec Consulting Services Inc.
25864 Business Center Drive, Suite F
Redlands, CA 92374

Phone: (909) 335-6116
Fax:
Received: 05/31/18 10:10 AM
Collected: 5/30/2018

Project: **185804137/KB Lucky Lady****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)***

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
P-2	201805863-0002	5/30/2018	6/1/2018	0.2565 g	<0.0080 % wt
Site: Security Office - Exterior Wall / Brown / Stucco					

Phillip Worby, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, AIHA-LAP, LLC ELLAP 100194, A2LA 2845.01

Initial report from 06/04/2018 14:03:43



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

201805863

Cinnaminson, NJ 08077

PHONE: 1-800-220-3675

FAX: (856) 786-5974

Company: Stantec Consulting Services, Inc.		EMSL-Bill to: ☒ Different ☐ Same If Bill to is Different note instructions in Comments**	
Street: 25864-F Business Center Drive		Third Party Billing requires written authorization from third party	
City: Redlands	State/Province: CA	Zip/Postal Code: 92374	Country: United States
Report To (Name): Alicia Jansen		Telephone #: 909-255-8213	
Email Address: alicia.jansen@stantec.com		Fax #: 909-335-6120	Purchase Order:
Project Name/Number: 185804137/KB Lucky Lady		Please Provide Results: ☐ FAX ☒ E-mail ☐ Mail	
U.S. State Samples Taken: CA		CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☒ % by wt. ☐ mg/cm ² ☐ ppm	SW846-7000B	Flame Atomic Absorption	0.01%	☒
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300 modified	ICP-AES/ICP-MS	0.5 µg/filter	☐
Wipe* ☐ ASTM ☐ non ASTM *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B	Flame Atomic Absorption	10 µg/wipe	☐
	SW846-6010B or C	ICP-AES	1.0 µg/wipe	☐
	SW846-7000B/7010	Graphite Furnace AA	0.075 µg/wipe	☐
TCLP	SW846-1311/7000B/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-1131/SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	☐
Soil	SW846-7000B	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-7010	Graphite Furnace AA	0.3 mg/kg (ppm)	☐
	SW846-6010B or C	ICP-AES	2 mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO ₃ pH < 2 ☐	SM3111B/SW846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.7	ICP-AES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO ₃ pH < 2 ☐	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-AES	12 µg/filter	☐
	40 CFR Part 50	Graphite Furnace AA	3.6 µg/filter	☐
Other:				☐

Name of Sampler: Alicia Jansen

Signature of Sampler:

Sample #	Location	Volume/Area	Date/Time Sampled
	SEE ATTACHED LOG		

Client Sample #'s

P1 - P2

Total # of Samples:

2

Relinquished (Client):

Date:

5/30/18

Time:

1400

Received (Lab):

Date:

5/31/18

Time: 1010

Comments:

Bill To: Stantec Consulting Services, Inc., 25864-F Business Center Drive, Redlands, CA, 92374, United States
Attention: Alicia Jansen Phone: 909-255-8213 Email: alicia.jansen@stantec.com Purchase Order:

Paint Chip Sample Log

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

201805863

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Gardena, CA

Date:

Inspector:

5-30-18

[illegible]

* - Include sample dimensions if trying to achieve mg/cm².

Relinquished By:

Date:

Received By:

Date:

Relinquished By:

Date:

Received By:

Date:

Date: 5/31/18 1010
 Ernest
 Ernest

Emul
Index

0101 81/13/5

Paint Chip Sample Log

25864-F Business Center Drive
Redlands, CA 92374
Tel: (909) 335-6116
Fax: (909) 335-6120

201805863

Project Name: ACM/LBP Survey

Project #: 185804137

Task #:

Site Name:

Site Address: 1017 West 141st Street

Date:

Inspector: A. Jansen

7/24/20

5-30-13

Gardena, CA

[illegible]

* - Include sample dimensions if trying to achieve mg/cm².

Relinquished By:

Date:

5/30/18

Received By:

RedeX

Date:

Relinquished By:

Date:

Received By:

Date:

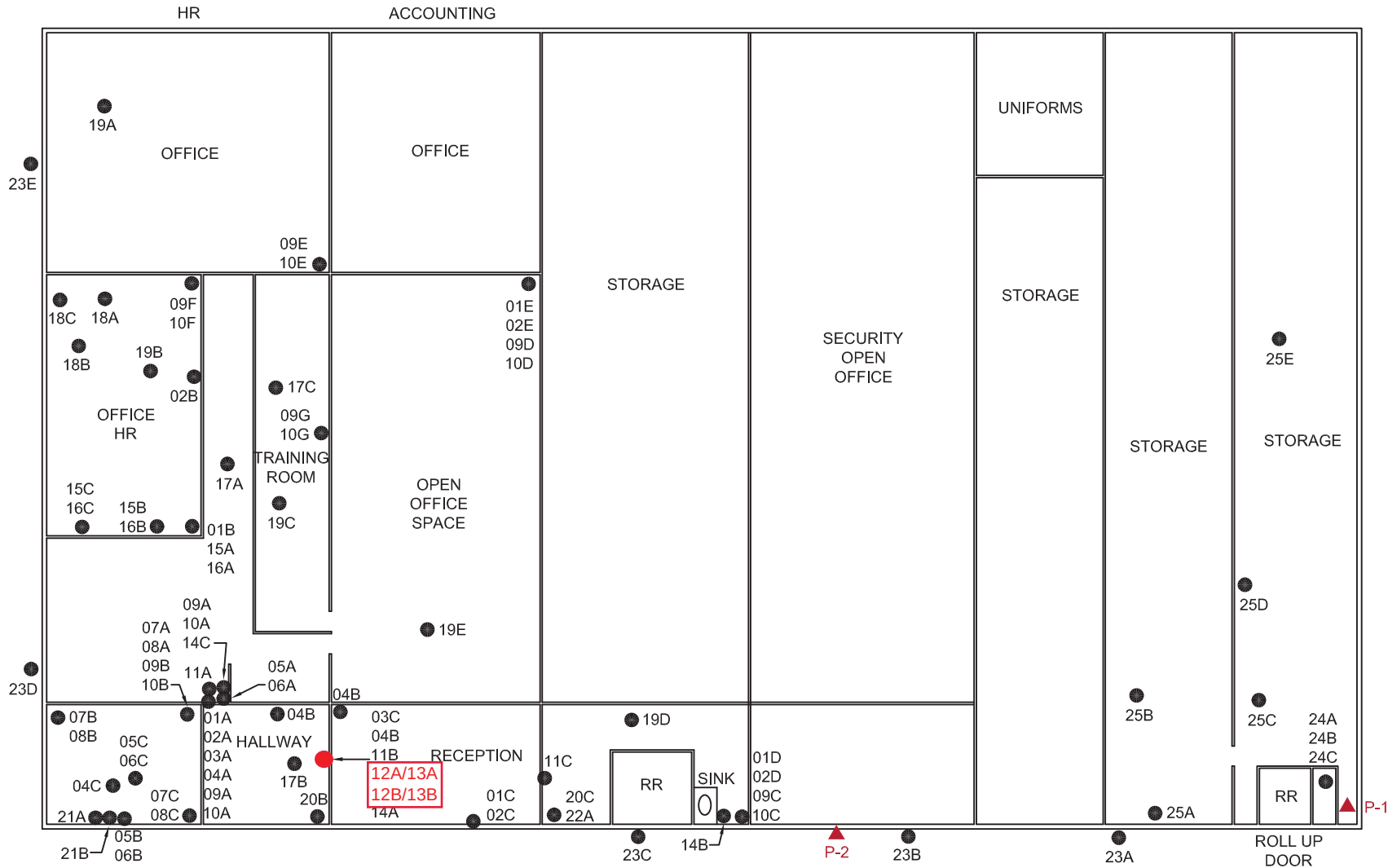
* Sample P-1 insufficient emailed 6/4/18, C.D.

Page 1 of 1



June 25, 2018

Attachment B Figures



LEGEND

- ACM SUSPECT SAMPLE LOCATION
- ▲ LBP SUSPECT SAMPLE LOCATION
- ACM POSITIVE SAMPLE LOCATION

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

PRE-DEMOLITION ACM AND LBP SURVEY

OFFICE BUILDING SAMPLE LOCATION MAP

1017 WEST 141ST STREET, GARDENA, CA

Client: KB HOME SOUTHERN CALIFORNIA

Project No.:	185804137
Scale:	AS SHOWN
Date:	18/06/04
Dwn. By:	CD VM SC2018060004
App'd By:	KE

Fig. No.:

1

