

APPENDIX B – AERMOD INPUT PARAMETERS

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** AERMOD Input Produced by:

** AERMOD View Ver. 9.6.5

** Lakes Environmental Software Inc.

** Date: 5/8/2019

** File: C:\Lakes\AERMOD View\MidValley_Updated\MidValley_Updated.ADI

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** AERMOD Control Pathway

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CO STARTING

TITLEONE C:\Lakes\AERMOD View\MidValley_Updated\MidValley_Updated.isc

TITLETWO LADWP Mid Valley Updated HRA

MODELOPT DFAULT CONC

AVERTIME 1 PERIOD

URBANOPT 9818605 Los_Angeles

POLLUTID OTHER

RUNORNOT RUN

CO FINISHED

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** AERMOD Source Pathway

**

**

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION COATPNT POINT 367179.888 3786257.096 235.310

** DESCRSRC Paint Booth - Coating Shop

LOCATION GEN1 POINT 366992.032 3786417.874 235.250

** DESCRSRC Gen 1 - Supply Chain

LOCATION GEN3 POINT 367217.256 3786256.660 235.280

** DESCRSRC Gen 3 - Weld Shop

LOCATION GEN4 POINT 367001.324 3786292.331 234.660

** DESCRSRC Gen 4 - Meter Yard

LOCATION GEN5 POINT 367097.762 3786334.592 235.060

** DESCRSRC Gen 5 - Parking

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** Line Source Represented by Separated Volume Sources (2W)

** LINE VOLUME Source ID = SLINE1

** DESCRSRC Truck Traffic
 ** PREFIX
 ** Length of Side = 9.00
 ** Configuration = Separated 2W
 ** Emission Rate = 1.0
 ** Vertical Dimension = 5.10
 ** SZINIT = 2.37
 ** Nodes = 9
 ** 366536.304, 3786223.101, 233.77, 2.55, 8.37
 ** 366610.885, 3786220.939, 234.02, 2.55, 8.37
 ** 366609.804, 3786354.970, 234.86, 2.55, 8.37
 ** 366783.828, 3786351.727, 234.63, 2.55, 8.37
 ** 366791.394, 3786363.617, 234.67, 2.55, 8.37
 ** 366941.638, 3786362.536, 234.76, 2.55, 8.37
 ** 367012.977, 3786361.455, 235.06, 2.55, 8.37
 ** 367331.841, 3786285.793, 233.98, 2.55, 8.37
 ** 367334.002, 3786234.991, 234.36, 2.55, 8.37

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 LOCATION L0000001 VOLUME 366540.802 3786222.970 233.79
 LOCATION L0000002 VOLUME 366558.794 3786222.449 233.75
 LOCATION L0000003 VOLUME 366576.787 3786221.927 233.81
 LOCATION L0000004 VOLUME 366594.779 3786221.406 233.91
 LOCATION L0000005 VOLUME 366610.870 3786222.826 234.05
 LOCATION L0000006 VOLUME 366610.725 3786240.825 234.16
 LOCATION L0000007 VOLUME 366610.580 3786258.825 234.33
 LOCATION L0000008 VOLUME 366610.434 3786276.824 234.56
 LOCATION L0000009 VOLUME 366610.289 3786294.824 234.58
 LOCATION L0000010 VOLUME 366610.144 3786312.823 234.56
 LOCATION L0000011 VOLUME 366609.999 3786330.823 234.67
 LOCATION L0000012 VOLUME 366609.854 3786348.822 234.78
 LOCATION L0000013 VOLUME 366621.654 3786354.749 235.02
 LOCATION L0000014 VOLUME 366639.651 3786354.414 235.40
 LOCATION L0000015 VOLUME 366657.648 3786354.078 235.44
 LOCATION L0000016 VOLUME 366675.645 3786353.743 235.44
 LOCATION L0000017 VOLUME 366693.642 3786353.408 235.41
 LOCATION L0000018 VOLUME 366711.639 3786353.072 235.38
 LOCATION L0000019 VOLUME 366729.636 3786352.737 235.21
 LOCATION L0000020 VOLUME 366747.632 3786352.401 235.02
 LOCATION L0000021 VOLUME 366765.629 3786352.066 234.85
 LOCATION L0000022 VOLUME 366783.626 3786351.731 234.65
 LOCATION L0000023 VOLUME 366795.099 3786363.590 234.67
 LOCATION L0000024 VOLUME 366813.099 3786363.461 234.93
 LOCATION L0000025 VOLUME 366831.098 3786363.331 235.01
 LOCATION L0000026 VOLUME 366849.098 3786363.202 234.99
 LOCATION L0000027 VOLUME 366867.097 3786363.072 234.88
 LOCATION L0000028 VOLUME 366885.097 3786362.943 234.78
 LOCATION L0000029 VOLUME 366903.096 3786362.813 234.65
 LOCATION L0000030 VOLUME 366921.096 3786362.684 234.51

LOCATION L0000031 VOLUME 366939.095 3786362.554 234.69
LOCATION L0000032 VOLUME 366957.094 3786362.302 234.85
LOCATION L0000033 VOLUME 366975.092 3786362.029 234.98
LOCATION L0000034 VOLUME 366993.089 3786361.756 235.03
LOCATION L0000035 VOLUME 367011.087 3786361.484 235.05
LOCATION L0000036 VOLUME 367028.652 3786357.736 235.09
LOCATION L0000037 VOLUME 367046.166 3786353.580 235.09
LOCATION L0000038 VOLUME 367063.679 3786349.424 235.10
LOCATION L0000039 VOLUME 367081.193 3786345.268 235.10
LOCATION L0000040 VOLUME 367098.707 3786341.112 235.13
LOCATION L0000041 VOLUME 367116.220 3786336.957 235.22
LOCATION L0000042 VOLUME 367133.734 3786332.801 235.39
LOCATION L0000043 VOLUME 367151.248 3786328.645 235.58
LOCATION L0000044 VOLUME 367168.761 3786324.489 235.76
LOCATION L0000045 VOLUME 367186.275 3786320.334 235.84
LOCATION L0000046 VOLUME 367203.789 3786316.178 235.84
LOCATION L0000047 VOLUME 367221.303 3786312.022 235.74
LOCATION L0000048 VOLUME 367238.816 3786307.866 235.61
LOCATION L0000049 VOLUME 367256.330 3786303.710 235.52
LOCATION L0000050 VOLUME 367273.844 3786299.555 235.39
LOCATION L0000051 VOLUME 367291.357 3786295.399 235.27
LOCATION L0000052 VOLUME 367308.871 3786291.243 234.92
LOCATION L0000053 VOLUME 367326.385 3786287.087 234.05
LOCATION L0000054 VOLUME 367332.367 3786273.411 233.34
LOCATION L0000055 VOLUME 367333.133 3786255.427 233.78
LOCATION L0000056 VOLUME 367333.898 3786237.444 234.31

** End of LINE VOLUME Source ID = SLINE1

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** Line Source Represented by Separated Volume Sources (2W)

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Forklifts

** PREFIX

** Length of Side = 8.00

** Configuration = Separated 2W

** Emission Rate = 1.0

** Vertical Dimension = 3.40

** SZINIT = 1.58

** Nodes = 11

** 366992.139, 3786290.652, 234.49, 1.70, 7.44

** 367258.392, 3786285.411, 235.46, 1.70, 7.44

** 367270.447, 3786283.315, 235.44, 1.70, 7.44

** 367268.875, 3786337.299, 235.28, 1.70, 7.44

** 367127.886, 3786357.216, 235.38, 1.70, 7.44

** 367120.025, 3786336.775, 235.28, 1.70, 7.44

** 367016.773, 3786355.643, 235.07, 1.70, 7.44

** 366932.914, 3786355.119, 234.65, 1.70, 7.44

** 366931.866, 3786308.997, 234.42, 1.70, 7.44

** 366941.300, 3786301.659, 234.41, 1.70, 7.44

** 366993.188, 3786290.128, 234.49, 1.70, 7.44

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LOCATION L0000511	VOLUME	366996.139	3786290.574	234.55
LOCATION L0000512	VOLUME	367012.136	3786290.259	234.89
LOCATION L0000513	VOLUME	367028.132	3786289.944	235.07
LOCATION L0000514	VOLUME	367044.129	3786289.629	235.08
LOCATION L0000515	VOLUME	367060.126	3786289.314	235.00
LOCATION L0000516	VOLUME	367076.123	3786288.999	234.88
LOCATION L0000517	VOLUME	367092.120	3786288.684	234.69
LOCATION L0000518	VOLUME	367108.117	3786288.369	234.76
LOCATION L0000519	VOLUME	367124.114	3786288.054	234.96
LOCATION L0000520	VOLUME	367140.111	3786287.740	235.20
LOCATION L0000521	VOLUME	367156.108	3786287.425	235.41
LOCATION L0000522	VOLUME	367172.105	3786287.110	235.57
LOCATION L0000523	VOLUME	367188.101	3786286.795	235.62
LOCATION L0000524	VOLUME	367204.098	3786286.480	235.63
LOCATION L0000525	VOLUME	367220.095	3786286.165	235.57
LOCATION L0000526	VOLUME	367236.092	3786285.850	235.53
LOCATION L0000527	VOLUME	367252.089	3786285.535	235.49
LOCATION L0000528	VOLUME	367267.944	3786283.750	235.38
LOCATION L0000529	VOLUME	367270.055	3786296.769	235.41
LOCATION L0000530	VOLUME	367269.589	3786312.762	235.37
LOCATION L0000531	VOLUME	367269.123	3786328.755	235.27
LOCATION L0000532	VOLUME	367261.495	3786338.341	235.33
LOCATION L0000533	VOLUME	367245.653	3786340.579	235.46
LOCATION L0000534	VOLUME	367229.810	3786342.817	235.76
LOCATION L0000535	VOLUME	367213.967	3786345.056	235.91
LOCATION L0000536	VOLUME	367198.124	3786347.294	235.99
LOCATION L0000537	VOLUME	367182.282	3786349.532	235.96
LOCATION L0000538	VOLUME	367166.439	3786351.770	235.90
LOCATION L0000539	VOLUME	367150.596	3786354.008	235.82
LOCATION L0000540	VOLUME	367134.754	3786356.246	235.50
LOCATION L0000541	VOLUME	367124.632	3786348.755	235.28
LOCATION L0000542	VOLUME	367116.912	3786337.344	235.23
LOCATION L0000543	VOLUME	367101.173	3786340.220	235.14
LOCATION L0000544	VOLUME	367085.433	3786343.096	235.09
LOCATION L0000545	VOLUME	367069.694	3786345.972	235.06
LOCATION L0000546	VOLUME	367053.955	3786348.849	235.07
LOCATION L0000547	VOLUME	367038.215	3786351.725	235.07
LOCATION L0000548	VOLUME	367022.476	3786354.601	235.07
LOCATION L0000549	VOLUME	367006.570	3786355.579	235.08
LOCATION L0000550	VOLUME	366990.571	3786355.479	235.07
LOCATION L0000551	VOLUME	366974.571	3786355.379	235.03
LOCATION L0000552	VOLUME	366958.571	3786355.279	234.88
LOCATION L0000553	VOLUME	366942.572	3786355.179	234.70
LOCATION L0000554	VOLUME	366932.770	3786348.779	234.63
LOCATION L0000555	VOLUME	366932.406	3786332.783	234.59
LOCATION L0000556	VOLUME	366932.043	3786316.787	234.48

LOCATION L0000557 VOLUME 366938.344 3786303.958 234.39
LOCATION L0000558 VOLUME 366953.264 3786299.000 234.46
LOCATION L0000559 VOLUME 366968.883 3786295.529 234.62
LOCATION L0000560 VOLUME 366984.502 3786292.058 234.56

** End of LINE VOLUME Source ID = SLINE2

** Source Parameters **

SRCPARAM COATPNT 1.0 16.764 294.111 12.41867 0.762
SRCPARAM GEN1 1.0 3.480 734.271 98.76333 0.229
SRCPARAM GEN3 1.0 3.912 803.160 96.21424 0.305
SRCPARAM GEN4 1.0 3.912 823.160 96.30442 0.274
SRCPARAM GEN5 1.0 3.327 797.049 93.28605 0.229

** LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000002 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000003 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000004 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000005 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000006 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000007 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000008 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000009 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000010 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000011 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000012 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000013 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000014 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000015 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000016 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000017 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000018 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000019 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000020 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000021 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000022 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000023 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000024 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000025 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000026 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000027 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000028 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000029 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000030 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000031 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000032 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000033 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000034 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000035 0.0178571429 2.55 8.37 2.37
SRCPARAM L0000036 0.0178571429 2.55 8.37 2.37

SRCPARAM L0000037	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000038	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000039	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000040	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000041	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000042	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000043	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000044	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000045	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000046	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000047	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000048	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000049	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000050	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000051	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000052	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000053	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000054	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000055	0.0178571429	2.55	8.37	2.37
SRCPARAM L0000056	0.0178571429	2.55	8.37	2.37

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** LINE VOLUME Source ID = SLINE2

SRCPARAM L0000511	0.02	1.70	7.44	1.58
SRCPARAM L0000512	0.02	1.70	7.44	1.58
SRCPARAM L0000513	0.02	1.70	7.44	1.58
SRCPARAM L0000514	0.02	1.70	7.44	1.58
SRCPARAM L0000515	0.02	1.70	7.44	1.58
SRCPARAM L0000516	0.02	1.70	7.44	1.58
SRCPARAM L0000517	0.02	1.70	7.44	1.58
SRCPARAM L0000518	0.02	1.70	7.44	1.58
SRCPARAM L0000519	0.02	1.70	7.44	1.58
SRCPARAM L0000520	0.02	1.70	7.44	1.58
SRCPARAM L0000521	0.02	1.70	7.44	1.58
SRCPARAM L0000522	0.02	1.70	7.44	1.58
SRCPARAM L0000523	0.02	1.70	7.44	1.58
SRCPARAM L0000524	0.02	1.70	7.44	1.58
SRCPARAM L0000525	0.02	1.70	7.44	1.58
SRCPARAM L0000526	0.02	1.70	7.44	1.58
SRCPARAM L0000527	0.02	1.70	7.44	1.58
SRCPARAM L0000528	0.02	1.70	7.44	1.58
SRCPARAM L0000529	0.02	1.70	7.44	1.58
SRCPARAM L0000530	0.02	1.70	7.44	1.58
SRCPARAM L0000531	0.02	1.70	7.44	1.58
SRCPARAM L0000532	0.02	1.70	7.44	1.58
SRCPARAM L0000533	0.02	1.70	7.44	1.58
SRCPARAM L0000534	0.02	1.70	7.44	1.58
SRCPARAM L0000535	0.02	1.70	7.44	1.58
SRCPARAM L0000536	0.02	1.70	7.44	1.58

BUILDHGT GEN4	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN4	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN4	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN4	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN4	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN4	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN5	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN5	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN5	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN5	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN5	12.19	12.19	12.19	12.19	12.19	12.19
BUILDHGT GEN5	12.19	12.19	12.19	12.19	12.19	12.19
BUILDWID COATPNT	232.07	226.25	213.56	194.38	169.30	141.90
BUILDWID COATPNT	110.91	76.55	40.60	79.94	117.23	150.95
BUILDWID COATPNT	180.09	203.75	221.22	231.97	235.68	232.22
BUILDWID COATPNT	232.07	226.25	213.56	194.38	169.30	141.90
BUILDWID COATPNT	110.91	76.55	40.60	79.94	117.23	150.95
BUILDWID COATPNT	180.09	203.75	221.22	231.97	235.68	232.22
BUILDWID GEN1	148.29	150.18	153.42	152.01	145.97	135.51
BUILDWID GEN1	120.92	102.66	81.28	57.43	57.95	77.19
BUILDWID GEN1	94.09	108.12	118.87	126.01	136.38	144.53
BUILDWID GEN1	148.29	150.18	153.42	152.01	145.97	135.51
BUILDWID GEN1	120.92	102.66	81.28	57.43	57.95	77.19
BUILDWID GEN1	94.09	108.12	118.87	126.01	136.38	144.53
BUILDWID GEN3	232.07	226.25	213.56	194.38	169.30	141.90
BUILDWID GEN3	110.91	76.55	40.60	79.94	117.23	150.95
BUILDWID GEN3	180.09	203.75	221.22	231.97	235.68	232.22
BUILDWID GEN3	232.07	226.25	213.56	194.38	169.30	141.90
BUILDWID GEN3	110.91	76.55	40.60	79.94	117.23	150.95
BUILDWID GEN3	180.09	203.75	221.22	231.97	235.68	232.22
BUILDWID GEN4	225.35	229.27	228.41	220.61	206.11	185.34
BUILDWID GEN4	158.94	76.55	40.60	79.94	125.94	148.45
BUILDWID GEN4	166.45	179.40	186.89	191.57	207.99	220.01
BUILDWID GEN4	225.35	229.27	228.41	220.61	206.11	185.34
BUILDWID GEN4	158.94	76.55	40.60	79.94	125.94	148.45
BUILDWID GEN4	166.45	179.40	186.89	191.57	207.99	232.22
BUILDWID GEN5	148.29	150.18	153.42	152.01	145.97	135.51
BUILDWID GEN5	120.92	102.66	81.28	116.71	57.95	77.19
BUILDWID GEN5	94.09	108.12	118.87	126.01	136.38	144.53
BUILDWID GEN5	148.29	150.18	153.42	152.01	145.97	135.51
BUILDWID GEN5	120.92	102.66	81.28	116.71	57.95	77.19
BUILDWID GEN5	94.09	108.12	118.87	126.01	136.38	144.53

BUILDLEN COATPNT	79.94	117.23	150.95	180.09	203.75	221.22
BUILDLEN COATPNT	231.97	235.68	232.22	232.07	226.25	213.56
BUILDLEN COATPNT	194.38	169.30	141.90	110.91	76.55	40.60
BUILDLEN COATPNT	79.94	117.23	150.95	180.09	203.75	221.22
BUILDLEN COATPNT	231.97	235.68	232.22	232.07	226.25	213.56
BUILDLEN COATPNT	194.38	169.30	141.90	110.91	76.55	40.60

BUILDLEN GEN1	57.43	57.95	77.19	94.09	108.12	118.87
BUILDLEN GEN1	126.01	136.38	144.53	148.29	150.18	153.42
BUILDLEN GEN1	152.01	145.97	135.51	120.92	102.66	81.28
BUILDLEN GEN1	57.43	57.95	77.19	94.09	108.12	118.87
BUILDLEN GEN1	126.01	136.38	144.53	148.29	150.18	153.42
BUILDLEN GEN1	152.01	145.97	135.51	120.92	102.66	81.28

BUILDLEN GEN3	79.94	117.23	150.95	180.09	203.75	221.22
BUILDLEN GEN3	231.97	235.68	232.22	232.07	226.25	213.56
BUILDLEN GEN3	194.38	169.30	141.90	110.91	76.55	40.60
BUILDLEN GEN3	79.94	117.23	150.95	180.09	203.75	221.22
BUILDLEN GEN3	231.97	235.68	232.22	232.07	226.25	213.56
BUILDLEN GEN3	194.38	169.30	141.90	110.91	76.55	40.60

BUILDLEN GEN4	116.71	125.94	148.45	166.45	179.40	186.89
BUILDLEN GEN4	191.57	235.68	232.22	232.07	229.27	228.41
BUILDLEN GEN4	220.61	206.11	185.34	158.94	130.98	119.00
BUILDLEN GEN4	116.71	125.94	148.45	166.45	179.40	186.89
BUILDLEN GEN4	191.57	235.68	232.22	232.07	229.27	228.41
BUILDLEN GEN4	220.61	206.11	185.34	158.94	130.98	40.60

BUILDLEN GEN5	57.43	57.95	77.19	94.09	108.12	118.87
BUILDLEN GEN5	126.01	136.38	144.53	225.35	150.18	153.42
BUILDLEN GEN5	152.01	145.97	135.51	120.92	102.66	81.28
BUILDLEN GEN5	57.43	57.95	77.19	94.09	108.12	118.87
BUILDLEN GEN5	126.01	136.38	144.53	225.35	150.18	153.42
BUILDLEN GEN5	152.01	145.97	135.51	120.92	102.66	81.28

XBADJ COATPNT	-40.83	-70.70	-98.43	-123.17	-144.16	-160.77
XBADJ COATPNT	-172.50	-178.99	-180.04	-181.98	-179.09	-170.76
XBADJ COATPNT	-157.24	-138.94	-116.42	-90.36	-61.56	-30.89
XBADJ COATPNT	-39.12	-46.53	-52.52	-56.92	-59.59	-60.45
XBADJ COATPNT	-59.47	-56.69	-52.18	-50.09	-47.16	-42.80
XBADJ COATPNT	-37.14	-30.35	-25.48	-20.54	-14.98	-9.71

XBADJ GEN1	-54.88	-45.83	-44.06	-40.96	-36.62	-31.16
XBADJ GEN1	-24.76	-17.60	-9.91	-1.92	3.50	2.89
XBADJ GEN1	2.19	1.43	0.62	-0.21	-1.03	-1.82
XBADJ GEN1	-2.55	-12.13	-33.13	-53.12	-71.50	-87.71
XBADJ GEN1	-101.25	-118.78	-134.62	-146.37	-153.68	-156.31

XBADJ	GEN1	-154.20	-147.40	-136.12	-120.71	-101.63	-79.46
XBADJ	GEN3	-46.88	-83.07	-116.73	-146.85	-172.50	-192.92
XBADJ	GEN3	-207.47	-215.72	-217.41	-218.86	-214.36	-203.34
XBADJ	GEN3	-186.15	-163.30	-135.49	-103.56	-68.49	-31.33
XBADJ	GEN3	-33.06	-34.16	-34.22	-33.24	-31.25	-28.31
XBADJ	GEN3	-24.51	-19.96	-14.81	-13.21	-11.89	-10.22
XBADJ	GEN3	-8.23	-6.00	-6.41	-7.35	-8.06	-9.27
XBADJ	GEN4	13.18	0.98	-11.25	-23.13	-34.32	-44.46
XBADJ	GEN4	-56.11	-9.25	-1.47	0.00	-127.26	-142.91
XBADJ	GEN4	-154.22	-160.85	-162.58	-159.38	-153.69	-143.98
XBADJ	GEN4	-129.89	-126.92	-137.20	-143.32	-145.08	-142.43
XBADJ	GEN4	-135.46	-226.43	-230.75	-232.06	-102.01	-85.50
XBADJ	GEN4	-66.39	-45.26	-22.76	0.44	22.72	-44.94
XBADJ	GEN5	8.78	-3.73	-24.81	-45.13	-64.08	-81.09
XBADJ	GEN5	-95.63	-107.26	-115.64	-197.56	-124.33	-130.31
XBADJ	GEN5	-132.33	-130.33	-124.37	-114.63	-101.40	-85.10
XBADJ	GEN5	-66.21	-54.22	-52.39	-48.96	-44.04	-37.79
XBADJ	GEN5	-30.38	-29.11	-28.89	-27.79	-25.84	-23.11
XBADJ	GEN5	-19.68	-15.64	-11.14	-6.29	-1.25	3.82
YBADJ	COATPNT	65.95	65.96	63.98	60.05	54.29	45.47
YBADJ	COATPNT	34.91	23.29	10.59	-0.85	-12.09	-22.95
YBADJ	COATPNT	-33.12	-42.29	-50.16	-56.52	-61.15	-63.93
YBADJ	COATPNT	-65.95	-65.96	-63.98	-60.05	-54.29	-45.47
YBADJ	COATPNT	-34.91	-23.29	-10.59	0.85	12.09	22.95
YBADJ	COATPNT	33.12	42.29	50.16	56.52	61.15	63.93
YBADJ	GEN1	-72.23	-78.59	-79.60	-78.20	-74.41	-68.37
YBADJ	GEN1	-60.25	-50.30	-38.82	-26.16	-16.85	-5.47
YBADJ	GEN1	6.08	17.44	28.27	38.25	50.59	62.36
YBADJ	GEN1	72.23	78.59	79.60	78.20	74.41	68.37
YBADJ	GEN1	60.25	50.30	38.82	26.16	16.85	5.47
YBADJ	GEN1	-6.08	-17.44	-28.27	-38.25	-50.59	-62.36
YBADJ	GEN3	102.83	101.23	96.56	88.96	78.65	64.54
YBADJ	GEN3	48.11	30.21	11.03	-6.91	-24.46	-41.26
YBADJ	GEN3	-56.81	-70.63	-82.31	-91.48	-97.88	-101.30
YBADJ	GEN3	-102.83	-101.23	-96.56	-88.96	-78.65	-64.54
YBADJ	GEN3	-48.11	-30.21	-11.03	6.91	24.46	41.26
YBADJ	GEN3	56.81	70.63	82.31	91.48	97.88	101.30
YBADJ	GEN4	-2.75	12.63	28.71	43.92	57.79	69.91
YBADJ	GEN4	79.91	-42.41	-24.64	-4.54	63.95	62.98
YBADJ	GEN4	60.09	55.38	48.99	39.68	27.44	15.32
YBADJ	GEN4	2.75	-12.63	-28.71	-43.92	-57.79	-69.91

YBADJ	GEN4	-79.91	42.41	24.64	4.54	-63.95	-62.98
YBADJ	GEN4	-60.09	-55.38	-48.99	-39.68	-27.44	-114.64
YBADJ	GEN5	46.36	49.25	53.60	56.33	57.34	56.62
YBADJ	GEN5	54.17	50.07	44.46	13.17	25.25	13.79
YBADJ	GEN5	1.91	-10.02	-21.65	-32.62	-39.07	-43.38
YBADJ	GEN5	-46.36	-49.25	-53.60	-56.33	-57.34	-56.62
YBADJ	GEN5	-54.17	-50.07	-44.46	-13.17	-25.25	-13.79
YBADJ	GEN5	-1.91	10.02	21.65	32.62	39.07	43.38

URBANSRC ALL

SRCGROUP COATPNT COATPNT

SRCGROUP GEN1 GEN1

SRCGROUP GEN3 GEN3

SRCGROUP GEN4 GEN4

SRCGROUP GEN5 GEN5

SRCGROUP SLINE1 L0000001 L0000002 L0000003 L0000004 L0000005 L0000006

SRCGROUP SLINE1 L0000007 L0000008 L0000009 L0000010 L0000011 L0000012

SRCGROUP SLINE1 L0000013 L0000014 L0000015 L0000016 L0000017 L0000018

SRCGROUP SLINE1 L0000019 L0000020 L0000021 L0000022 L0000023 L0000024

SRCGROUP SLINE1 L0000025 L0000026 L0000027 L0000028 L0000029 L0000030

SRCGROUP SLINE1 L0000031 L0000032 L0000033 L0000034 L0000035 L0000036

SRCGROUP SLINE1 L0000037 L0000038 L0000039 L0000040 L0000041 L0000042

SRCGROUP SLINE1 L0000043 L0000044 L0000045 L0000046 L0000047 L0000048

SRCGROUP SLINE1 L0000049 L0000050 L0000051 L0000052 L0000053 L0000054

SRCGROUP SLINE1 L0000055 L0000056

SRCGROUP SLINE2 L0000511 L0000512 L0000513 L0000514 L0000515 L0000516

SRCGROUP SLINE2 L0000517 L0000518 L0000519 L0000520 L0000521 L0000522

SRCGROUP SLINE2 L0000523 L0000524 L0000525 L0000526 L0000527 L0000528

SRCGROUP SLINE2 L0000529 L0000530 L0000531 L0000532 L0000533 L0000534

SRCGROUP SLINE2 L0000535 L0000536 L0000537 L0000538 L0000539 L0000540

SRCGROUP SLINE2 L0000541 L0000542 L0000543 L0000544 L0000545 L0000546

SRCGROUP SLINE2 L0000547 L0000548 L0000549 L0000550 L0000551 L0000552

SRCGROUP SLINE2 L0000553 L0000554 L0000555 L0000556 L0000557 L0000558

SRCGROUP SLINE2 L0000559 L0000560

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

** receptors not presented to minimize document space

RE FINISHED

**

** AERMOD Meteorology Pathway

**

**

ME STARTING

SURFFILE KBUR_v9.SFC
PROFFILE KBUR_v9.PFL
SURFDATA 23152 2012
UAIRDATA 3190 2012
PROFBASE 236.0 METERS

ME FINISHED

**

** AERMOD Output Pathway

**

**

OU STARTING

RECTABLE ALLAVE 1ST
RECTABLE 1 1ST

** Auto-Generated Plotfiles

PLOTFILE 1 COATPNT 1ST MIDVALLEY_UPDATED.AD\01H1G001.PLT 31
PLOTFILE 1 GEN1 1ST MIDVALLEY_UPDATED.AD\01H1G002.PLT 32
PLOTFILE 1 GEN3 1ST MIDVALLEY_UPDATED.AD\01H1G003.PLT 33
PLOTFILE 1 GEN4 1ST MIDVALLEY_UPDATED.AD\01H1G004.PLT 34
PLOTFILE 1 GEN5 1ST MIDVALLEY_UPDATED.AD\01H1G005.PLT 35
PLOTFILE 1 SLINE1 1ST MIDVALLEY_UPDATED.AD\01H1G006.PLT 36
PLOTFILE 1 SLINE2 1ST MIDVALLEY_UPDATED.AD\01H1G007.PLT 37
PLOTFILE PERIOD COATPNT MIDVALLEY_UPDATED.AD\PE00G001.PLT 38
PLOTFILE PERIOD GEN1 MIDVALLEY_UPDATED.AD\PE00G002.PLT 39
PLOTFILE PERIOD GEN3 MIDVALLEY_UPDATED.AD\PE00G003.PLT 40
PLOTFILE PERIOD GEN4 MIDVALLEY_UPDATED.AD\PE00G004.PLT 41
PLOTFILE PERIOD GEN5 MIDVALLEY_UPDATED.AD\PE00G005.PLT 42
PLOTFILE PERIOD SLINE1 MIDVALLEY_UPDATED.AD\PE00G006.PLT 43
PLOTFILE PERIOD SLINE2 MIDVALLEY_UPDATED.AD\PE00G007.PLT 44
SUMMFILE MidValley_Updated.sum

OU FINISHED

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** Project Parameters

** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM World Geodetic System 1984
** DTMRGN Global Definition
** UNITS m
** ZONE 11
** ZONEINX 0
**

APPENDIX C – HARP2 OUTPUT REPORTS

HARP2 Model Results Summary Report

Isopleth of 70-year Cancer Risk

HARP2 - HRACalc (dated 19044) 5/8/2019 12:01:48 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: RMP

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: ON

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02

Soil mixing depth (m): 0.01

Dermal climate: Warm

HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdthatGarden

Fraction leafy: 0.137

Fraction exposed: 0.137

Fraction protected: 0.137

Fraction root: 0.137

TIER 2 SETTINGS

Tier2 not used.

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: C:\Users\NickGysel\Desktop\Dudek Mid Valley Water\LADWP MIDVALLEY\hra\ResidentialCancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\NickGysel\Desktop\Dudek Mid Valley Water\LADWP MIDVALLEY\hra\ResidentialCancerRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 5/8/2019 12:03:37 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Worker
Scenario: Cancer
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16
Total Exposure Duration: 25

Exposure Duration Bin Distribution
3rd Trimester Bin: 0
0<2 Years Bin: 0
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 25

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: Moderate8HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02

Soil mixing depth (m): 0.01

Dermal climate: Warm

TIER 2 SETTINGS

Tier2 not used.

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: C:\Users\NickGysel\Desktop\Dudek Mid Valley Water\LADWP MIDVALLEY\hra\WorkerCancerRisk.csv

Cancer risk total by receptor saved to: C:\Users\NickGysel\Desktop\Dudek Mid Valley Water\LADWP MIDVALLEY\hra\WorkerCancerRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 5/8/2019 12:04:45 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCChronic
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Warm

HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

TIER 2 SETTINGS

Tier2 not used.

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: C:\Users\NickGysel\Desktop\Dudek Mid Valley Water\LADWP MIDVALLEY\hra\ResidentialNCChronicRisk.csv

Chronic risk total by receptor saved to: C:\Users\NickGysel\Desktop\Dudek Mid Valley Water\LADWP MIDVALLEY\hra\ResidentialNCChronicRiskSumByRec.csv

HRA ran successfully

HARP2 - HRACalc (dated 19044) 5/8/2019 12:05:49 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: NCAcute
Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER
Exposure duration are only adjusted for cancer assessments

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home

NOTE: Exposure duration (i.e., start age, end age, ED, & FAH) are only adjusted for cancer assessments.

TIER 2 SETTINGS

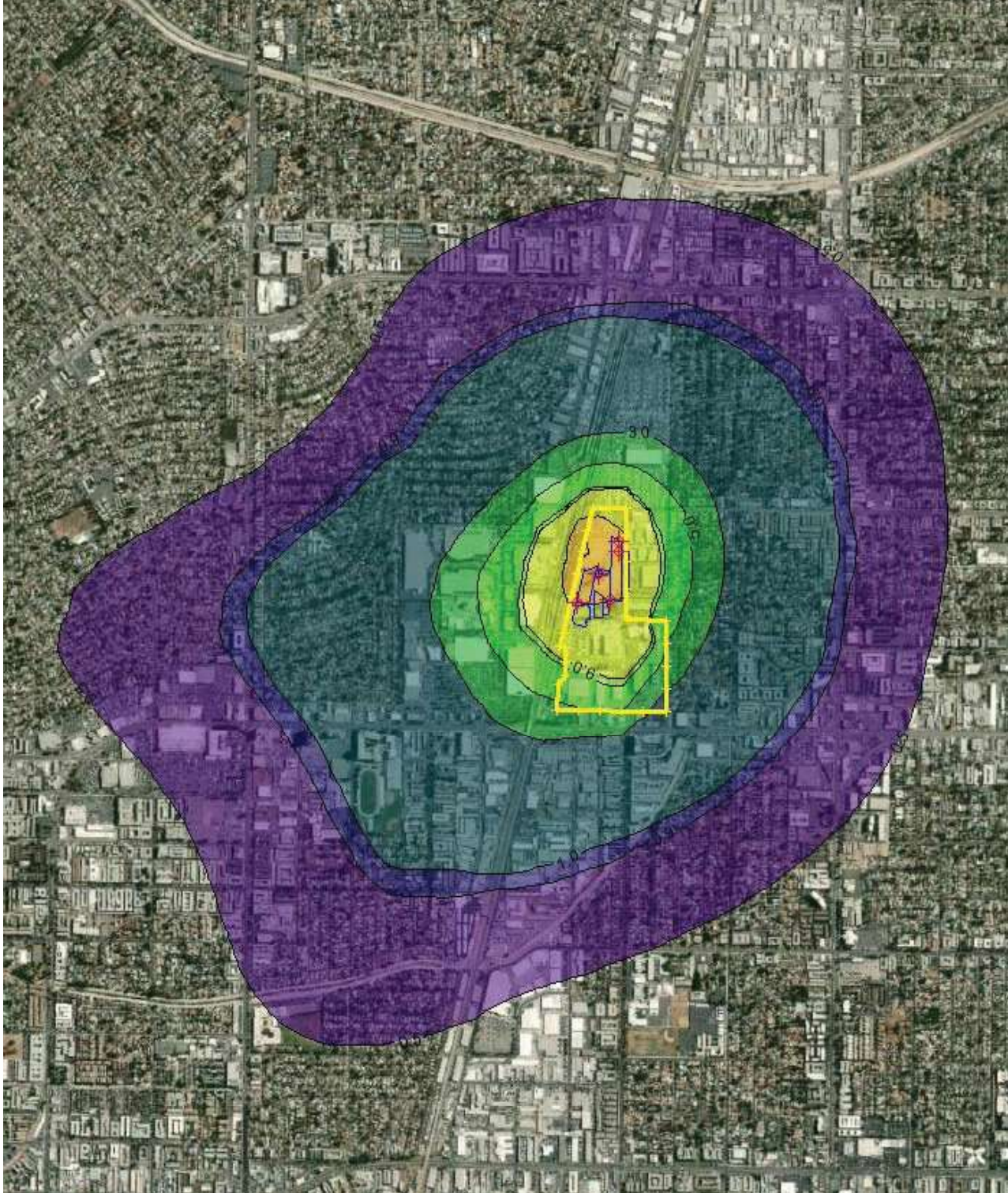
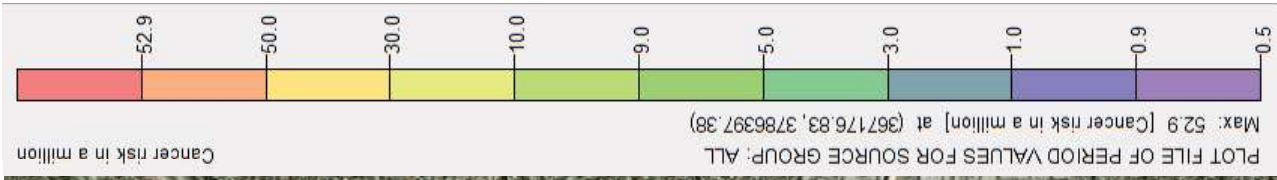
Tier2 not used.

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: C:\Users\NickGysel\Desktop\Dudek Mid Valley Water\LADWP MIDVALLEY\hra\NCAcuteRisk.csv

Acute risk total by receptor saved to: C:\Users\NickGysel\Desktop\Dudek Mid Valley Water\LADWP MIDVALLEY\hra\NCAcuteRiskSumByRec.csv

HRA ran successfully



APPENDIX B

CNDDDB Occurrence Report



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 68507	EO Index: 68931
Key Quad: Van Nuys (3411824)	Element Code: AMACC02010
Occurrence Number: 51	Occurrence Last Updated: 2007-03-20

Scientific Name: <i>Lasionycteris noctivagans</i>	Common Name: silver-haired bat
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	WBWG_M-Medium Priority
Global: G5	
State: S3S4	

General Habitat: PRIMARYLY A COASTAL & MONTANE FOREST DWELLER FEEDING OVER STREAMS, PONDS & OPEN BRUSHY AREAS.	Micro Habitat: ROOSTS IN HOLLOW TREES, BENEATH EXFOLIATING BARK, ABANDONED WOODPECKER HOLES & RARELY UNDER ROCKS. NEEDS DRINKING WATER.
--	---

Last Date Observed: 1985-02-21	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1985-02-21	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
VAN NUYS.

Detailed Location:
MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 3218.688 M.

Ecological:
Threats:

General:
1 FEMALE SPECIMEN (MVZ #181855) COLLECTED BY DENNY G. CONSTANTINE ON 21 FEB 1985.

PLSS: T01N, R15W, Sec. 10 (S)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N3783469 E366700	Latitude/Longitude: 34.18369 / -118.44651	Elevation (feet):

County Summary: Los Angeles	Quad Summary: Van Nuys (3411824)
---------------------------------------	--

Sources:
MAN04S0022 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF LASIONYCTERIS NOCTIVAGANS SPECIMEN RECORDS FROM MANIS. INCLUDES RECORDS FROM LACM, CAS, MSB & MVZ. 2004-12-10



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 68507	EO Index: 68821
Key Quad: Van Nuys (3411824)	Element Code: AMACC05030
Occurrence Number: 62	Occurrence Last Updated: 2007-03-16

Scientific Name: <i>Lasiurus cinereus</i>	Common Name: hoary bat
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: IUCN_LC-Least Concern
CNDDB Element Ranks:	WBWG_M-Medium Priority
Global: G5	
State: S4	

General Habitat: PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER & OPEN AREAS OR HABITAT EDGES FOR FEEDING.	Micro Habitat: ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.
--	--

Last Date Observed: 1986-07-08	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1986-07-08	Occurrence Rank: Unknown
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Presumed Extant	

Location:
VAN NUYS.

Detailed Location:
MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 3218.688 M.

Ecological:
Threats:

General:
1 FEMALE SPECIMEN (MVZ #181865) COLLECTED BY DENNY G. CONSTANTINE ON 8 JUL 1986.

PLSS: T01N, R15W, Sec. 10 (S)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N3783469 E366700	Latitude/Longitude: 34.18369 / -118.44651	Elevation (feet):

County Summary: Los Angeles	Quad Summary: Van Nuys (3411824)
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Sources:
MAN04S0029 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF LASIURUS CINEREUS SPECIMENS FOR CALIFORNIA FROM MANIS. INCLUDES RECORDS FROM MVZ, CAS, MSB, LSU, KU, LACM, UWBM, FMNH AND TTU. 2004-12-10



Occurrence Report
California Department of Fish and Wildlife
California Natural Diversity Database



Map Index Number: 01611
Key Quad: Beverly Hills (3411814)
Occurrence Number: 46

EO Index: 28128
Element Code: ARACF12100
Occurrence Last Updated: 2012-02-14

Scientific Name: *Phrynosoma blainvillii*
Listing Status: **Federal:** None
State: None
CNDDDB Element Ranks: **Global:** G3G4
State: S3S4

Common Name: coast horned lizard
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:
FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:
OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, & ABUNDANT SUPPLY OF ANTS & OTHER INSECTS.

Last Date Observed: 1916-06-04
Last Survey Date: 1916-06-04
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
FRANKLIN CANYON.

Detailed Location:
LOCALITY PROVIDED AS "FRANKLIN CANYON." MAPPED TO THE GEOGRAPHIC CENTER OF THE CANYON.

Ecological:
Threats:

General:
1 COLLECTED ON 4 JUN 1916 BY L.E. WYMAN (LACM #4292).

PLSS: T01S, R15W, Sec. 02, NE (S)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N3775656 E369514	Latitude/Longitude: 34.11361 / -118.41481	Elevation (feet): 1,000

County Summary: Los Angeles	Quad Summary: Beverly Hills (3411814), Van Nuys (3411824)
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Sources:
LAC06S0001 LOS ANGELES COUNTY MUSEUM - PRINTOUT OF LACM PHRYNOSOMA CORONATUM SPECIMEN RECORDS FOR LOS ANGELES COUNTY. 2006-01-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 01438	EO Index: 28071	
Key Quad: Van Nuys (3411824)	Element Code: ARACF12100	
Occurrence Number: 142	Occurrence Last Updated: 2006-01-23	

Scientific Name: <i>Phrynosoma blainvillii</i>	Common Name: coast horned lizard
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists: BLM_S-Sensitive
CNDDDB Element Ranks:	CDFW_SSC-Species of Special Concern
Global: G3G4	IUCN_LC-Least Concern
State: S3S4	

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, & ABUNDANT SUPPLY OF ANTS & OTHER INSECTS.

Last Date Observed: 1947-04-20	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1947-04-20	Occurrence Rank: None
Owner/Manager: UNKNOWN	Trend: Unknown
Presence: Possibly Extirpated	

Location:

PACOIMA WASH, SAN FERNANDO VALLEY.

Detailed Location:**Ecological:****Threats:****General:**

LACM SPECIMEN #19854; COLLECTED 20 APR 1947.

PLSS: T02N, R15W, Sec. 28 (S)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N3788695 E365625	Latitude/Longitude: 34.23067 / -118.45899	Elevation (feet): 830

County Summary:

Los Angeles

Quad Summary:

Van Nuys (3411824)

Sources:

BRO80U0001 BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG). 1980-XX-XX

LAC06S0001 LOS ANGELES COUNTY MUSEUM - PRINTOUT OF LACM PHRYNOSOMA CORONATUM SPECIMEN RECORDS FOR LOS ANGELES COUNTY. 2006-01-23



Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database



Map Index Number: 68507	EO Index: 98944
Key Quad: Van Nuys (3411824)	Element Code: IHHYM24480
Occurrence Number: 144	Occurrence Last Updated: 2015-09-23

Scientific Name: <i>Bombus crotchii</i>	Common Name: Crotch bumble bee
Listing Status:	Rare Plant Rank:
Federal: None	
State: None	Other Lists:
CNDDDB Element Ranks:	
Global: G3G4	
State: S1S2	

General Habitat: COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.	Micro Habitat: FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.
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Last Date Observed: 1936-04-09	Occurrence Type: Natural/Native occurrence
Last Survey Date: 1936-04-09	Occurrence Rank: Unknown
Owner/Manager: PVT	Trend: Unknown
Presence: Presumed Extant	

Location:
VAN NUYS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN THE VICINITY OF THE COMMUNITY OF VAN NUYS, IN SAN FERNANDO VALLEY.

Ecological:

Threats:

General:

COLLECTIONS WERE MADE IN THIS VICINITY ON 31 MAR 1936, 1 APR 1936, AND 9 APR 1936.

PLSS: T01N, R15W, Sec. 10 (S)	Accuracy: 1 mile	Area (acres): 0
UTM: Zone-11 N3783469 E366700	Latitude/Longitude: 34.18369 / -118.44651	Elevation (feet): 700

County Summary: Los Angeles	Quad Summary: Van Nuys (3411824)
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Sources:

ANO36S0005 ANONYMOUS - LACM ENT #246 COLLECTED FROM VAN NUYS 1936-04-01
 ANO36S0006 ANONYMOUS - LACM ENT #247 COLLECTED FROM VAN NUYS 1936-03-31
 ANO36S0007 ANONYMOUS - LACM ENT #248 COLLECTED FROM VAN NUYS 1936-04-09

APPENDIX C

Cultural Report

July 11, 2016

8584

Ms. Nancy Chung
Los Angeles Department of Water and Power
111 North Hope Street, Room 1044
Los Angeles, CA 90012

Subject: Mid Valley Water Facility Cultural Constraints Letter Report, City of Los Angeles, Los Angeles County, California

Dear Ms. Chung:

This letter documents the cultural resources constraints study conducted by Dudek for the Los Angeles Department of Water and Power (LADWP) Mid Valley Water Facility Project (Project), located in the City of Los Angeles, Los Angeles County, California (Figures 1 and 2). Dudek completed a cultural resources record search at the South Central Coast Information Center (SCCIC) to determine whether prehistoric or historic sites occur within the Project area (SCCIC 2016). The records search included the entirety of the Mid Valley Water Facility Project area, and a 1-mile vicinity surrounding the Project area. A Native American Heritage Commission (NAHC) Sacred Lands File search did not indicate the presence of Native American cultural sites within the area.

REGULATORY BACKGROUND

Applicable regulations for evaluating cultural resources, address adverse impacts to cultural resources, and identify protection measures for these resources and for determining resource significance are identified in CEQA Guidelines Section 15064.5.

CEQA Guidelines Section 15064.5

CEQA Guidelines Section 15064.5 states that a cultural resource (i.e., a prehistoric or historic period archaeological site or historic architectural structure or feature) is considered “historically significant” under CEQA if the resource meets the criteria for listing in the California Register of Historical Resources (CRHR).

- Is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage; or
- Is associated with the lives of persons important in our past; or

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- Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
- Has yielded, or may be likely to yield, information important in prehistory or history.

RECORDS SEARCH RESULTS

A records search was conducted at the SCCIC by Archaeologist Scott Wolf on June 29, 2016. The results are provided below.

Previously Identified Cultural Resources

The records search conducted for the Mid Valley Water Facility Project determined that while no previously recorded archaeological sites were recorded within the boundaries of the Project area, a total of 3 historic structures and 1 historic district had been previously recorded within the 1-mile vicinity surrounding the current Project area (Table 1). Additionally, there are no recorded cultural resources within the Project area that are listed in the National Register of Historic Places, the California Register of Historic Preservation Archaeological Determinations of Eligibility (ADOE).

Table 1.
Previous Recorded Resources within the Mid Valley Water Facility Project 1-mile Records Search Area

Primary Number	Trinomial	Age	Description	In / Out of APE
P-19-188173	N/A	Historic	Historic Structure, 7300-7304 Varna Ave.	Out
P-19-188183	N/A	Historic	Historic District, 26 Residential blocks.	Out
P-19-190651	N/A	Historic	Historic Structure, 6920 Van Nuys Blvd.	Out
P-19-190994	N/A	Historic	Historic Structure, 8252 Van Nuys Blvd.	Out

The most significant previously recorded resource within the current Project's record search results would arguably be the historic district, P-19-188183, also known as the Panorama City Historic District. This resource includes 26 residential blocks that were recorded as significant for its associations with broad patterns of suburban development during the late 1940s and early

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1950s. While this resource is considerable in size and relative complexity, the district is located along the very northern edge of the record search 1-mile buffer area, well outside and north of the current Project area boundaries and has little to no chance of impact as a result of the Mid Valley Water Facility Project. Similarly, the other three historic structures previously recorded within the 1-mile record search buffer area are all far enough away from the current Project area to remain undisturbed by the Mid Valley Water Facility Project.

Previous Cultural Resources Investigations

The SCCIC record search results indicated that 26 previous cultural resources technical studies have been performed within 1-mile of the Project area (Confidential Appendix A). Only one of the previous 26 studies conducted (LA-0160, Dames and Moore 1988) has covered a portion the Project area (Table 2). While this study, conducted for the installation of a fiber optics cable line, does not cover the entire Project area, the study did cover a narrow swath (a trench) spanning the entire length of the current Project area. While cultural resources were identified during the extended fiber optic cable line Project, the results of the report were negative for cultural resources within the current Project area (Dames and Moore 1988 – Appendix A). The previous study covering the current Project area is listed in bold within Table 2.

Table 2.
Previous Technical Studies within the Mid Valley Water Facility Record Search 1-mile Records Search Area

Report ID	Year	Technical Report Title	Author
LA-0160	1988	Phase I Cultural Resources Survey Fiber Optic Cable Project Burbank To Santa Barbara, California	Dames & Moore
LA-1037	1976	Assessment of the Archaeological Impact by the Proposed Development of the East Valley Interceptor Sewer- Unit 1	Michael J. McIntyre
LA-2645	1991	Class 3 Cultural Resource Assessment of the Proposed Carpinteria and Southern Reroutes, Santa Barbara, Ventura, and Los Angeles Counties, California	Peak & Associates, Inc.
LA-2950	1993	Cultural Resources Studies for the Proposed Pacific Pipeline Project	Peak & Associates
LA- 3486	1994	A Cultural Resources Inventory for the East Valley Water Reclamation Project	E. Gary Stickle
LA-3722	1977	Historic Property Survey Report- Strathern Street – Between Coldwater Canyon Avenue and Woodman Avenue.	Lloyd D. Paulsen
LA-3992	1998	Cultural Resource record Search, Archival Research, and Field Survey Report for the Van Nuys Primary Center, City of Van Nuys, Los Angeles County, California	Patricia Jertberg
LA-4562	1999	Cultural Resources Assessment for Pacific bell Mobile Services Telecommunications facility LA 548-01, in the County of Los Angeles, California	Curt Duke

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LA-4844	2000	<i>Cultural Resources Assessment for Pacific bell Mobile Services Facility LA 548-03 County of Los Angeles, California</i>	Curt Duke
LA-5217	2001	<i>Cultural resources Investigation of the Proposed East Valley High School No. 3, Van Nuys, Los Angeles County, California</i>	Noelle Storey
LA-5603	2000	<i>Cultural Resources Assessment for Pacific Bell Wireless Facility LA 140-04, County of Los Angeles, California</i>	Curt Duke
LA-5745	2002	<i>Cultural Resource Assessment for the AT&T Wireless Services Facility No. 14061, Los Angeles County, California</i>	Curt Duke
LA-6599	2002	<i>Historic Resources Evaluation Report Mason Avenue At-Grade Crossing and Safety Improvement Project Los Angeles City, California</i>	John M. Foster
LA-7782	2005	<i>Phase 1 Archaeological Study For the Proposed Sherman Apartments Affordable Housing Project, City of Los Angeles, Los Angeles County, California</i>	Robert J. Wlodarski
LA-7911	2006	<i>Royal Street Communications Wireless Telecommunications Site LA-0060A</i>	Robert J. Wlodarski
LA-8255	2006	<i>Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of California</i>	SWCA Environmental Consultants
LA-9592	2008	<i>Cultural Resources Records Search and Site visit Results for T-Mobile Candidate SV11856C (Presbytery of San Fernando)</i>	Wayne H. Bonner
LA-10756	2010	<i>A Cultural Resources Overview and Preliminary Assessment of the Pacoima/Panorama City Redevelopment Plan Amendment/Expansion Project Area, Los Angeles County,</i>	Jeanette A. McKenna
LA-11258	2010	<i>Crown Castle Tower Project: "West Covina #11786-3407" Cellular Tower Cultural Review Submission Report, Los Angeles County, California</i>	Mark Larocque
LA-12074	2012	<i>BTS Fast Forward/ MLAX04153A Cellular Tower Cultural Review Submission Report, Los Angeles County, California</i>	Earth Touch
LA-12505	2012	<i>Draft Phase 1 cultural Resources Assessment San Fernando Valley Water Recycling Project City of Los Angeles, California</i>	James R. Wallace, RPA, Sara Dietler & Linda Kry
LA-12508	2012	<i>Cultural Resources Records Search and Site Visit For the AT&T Mobility, LLC Site: Sherman Way and Van Nuys/LA0278</i>	Nancy Sikes
LA-12652	2014	<i>Cultural Resource Assessment Class III Inventory For the Verizon Wireless Services Carolla Facility, City of Los Angeles, Los Angeles County, California</i>	Phil Fulton; Elisa Bechtel; and Casey Tibbet

NAHC SACRED LANDS FILE SEARCH

LADWP requested a Native American Heritage Commission (NAHC) search of the Sacred Lands File in order to identify the presence of any Native American sites of traditional cultural value within, and surrounding, the study area. A response to this request was received on April 26, 2016. The NAHC has no record of any such sites within or near this area. The LADWP subsequently sent request letters for additional information related to such resources from the tribal representatives provided on the Contact List (Appendix B).

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ARCHAEOLOGICAL SENSITIVITY

No archaeological resources have been recorded within the Project area and only a total of 4 cultural resources have been recorded within the surrounding 1-mile records search buffer. All of these previously recorded resources all well outside of the current Project's boundaries. Additionally, a narrow portion of the current Project area has been studied previously with negative results for cultural resources.

It is unlikely that any significant prehistoric Native American resources are present. The NAHC conducted a search of their Sacred Lands file. This search did not indicate the presence of any Native American cultural sites. A contact list was provided of tribal representatives that may have information relating to traditional cultural places in the region (Appendix B).

Nonetheless, despite largely negative findings there is always a possibility to encounter previously unknown buried cultural deposits. If such a deposit or feature were to be encountered, a City approved archaeological evaluation program would be required to be developed and implemented in order to assess the significance of the resource (as defined by CEQA and the City of Los Angeles).

SUMMARY OF FINDINGS

This investigation resulted in the following assessments:

- There are no previously recorded cultural resources within the Project area.
- There are four (4) previously recorded cultural resources within 1-mile of the Project area. None of these resources, all historic structures, have been identified within the Project area.
- There have been 26 cultural resources studies completed within 1-mile of the Project area. One study has directly included a portion of the current Project area, and this study indicated negative results within the current Project boundaries.
- Based on previous investigations, there is a very low probability of encountering unanticipated buried cultural resources during Project implementation.
- This constraints memo does not satisfy the City of Los Angeles permitting requirement to prepare a full Archaeological Resources Management Report (ARMR). This report must be completed by a City certified archaeologist and will contain a full legal and cultural context, in addition to a comprehensive impact analysis and recommendations for mitigation.

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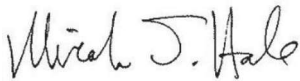
If you have any questions about this investigation, please contact me or Practice Manager Micah Hale directly at 760-479-4276.

Respectfully



Scott Wolf, B.S.
Archaeologist

and



Micah J. Hale, Ph.D., RPA
Practice Manager/Archaeologist

*Att.: Figure 1, Regional Map
Figure 2, Location Map
Appendix A: Negative SCIC Records Search Information
Appendix B: NAHC SLF Search Results*

REFERENCES

South Central Coastal Information Center, San Diego State University, California (SCCIC). 2016. California Historical Resources Information System Records Search for the Mid Valley Water Facility Project, June 29, 2016. Dr. Seth Mallios, Director.