



LEGEND <ul style="list-style-type: none"> ● Inverter ■ Participating Receptor ■ Non-Participating Receptor Project Fence Collector Substation Switchyard Laydown Areas Solar Array 		<ul style="list-style-type: none"> City/Town Boundary Participating Parcels Non-Participating Parcel Interstate State Route County Road 		<ul style="list-style-type: none"> Sound Barrier Wall - 12 ft Height Sound Barrier Wall - 13 ft Height Sound Barrier Wall - 14 ft Height Sound Barrier Wall - 15 ft Height 		 Scale 1:3,600 1 inch = 300 feet  0 150 300 Feet		<table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td></tr> <tr><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td></tr> <tr><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td><td style="background-color: red;">41</td><td>42</td></tr> </table>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
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Table 7-1.1: Modeled Sources Sources in the Cadna/A Model

Name	ID	Relative Source Height	Coordinates		Elevation +
			UTM NAD83 Zone 18N (meters)		Source Height
		(m)	X (m)	Y (m)	Z (m)
Substation Transformer	SUB_263	4	554052.01	4752550.34	142.09
Substation HVAC Unit	HVAC_Unit	2	554029.42	4752491.76	139.13
Inverter	1	2.9	552981.34	4749768.64	182.30
Inverter	2	2.9	552980.20	4749960.25	182.57
Inverter	3	2.9	553428.11	4750586.67	164.21
Inverter	4	2.9	553861.81	4750409.44	213.90
Inverter	5	2.9	553643.82	4750720.15	169.32
Inverter	6	2.9	553645.03	4750515.67	188.33
Inverter	7	2.9	553623.75	4750875.03	163.73
Inverter	8	2.9	553652.39	4750859.60	166.53
Inverter	9	2.9	554083.52	4751054.43	163.60
Inverter	10	2.9	554096.85	4751241.68	150.90
Inverter	11	2.9	554095.44	4751479.68	144.90
Inverter	12	2.9	554296.82	4751592.33	143.63
Inverter	13	2.9	554300.97	4750297.09	205.89
Inverter	14	2.9	554490.80	4750775.08	182.30
Inverter	15	2.9	554815.67	4750666.20	188.43
Inverter	16	2.9	554819.80	4750434.86	184.37
Inverter	17	2.9	554833.72	4750850.00	174.30
Inverter	18	2.9	555294.65	4750777.21	180.26
Inverter	19	2.9	555568.16	4750670.28	164.66
Inverter	20	2.9	555283.68	4751099.24	141.38
Inverter	21	2.9	550524.43	4751240.83	177.95
Inverter	22	2.9	550398.09	4751152.94	177.07
Inverter	23	2.9	550056.70	4752548.69	170.07
Inverter	24	2.9	550041.02	4752654.01	171.28
Inverter	25	2.9	551046.76	4751650.41	159.42
Inverter	26	2.9	551495.64	4750021.09	190.36
Inverter	27	2.9	548487.66	4753589.34	159.90
Inverter	28	2.9	549035.64	4753888.94	164.76
Inverter	29	2.9	552620.70	4750853.87	161.16
Inverter	30	2.9	551926.87	4750467.28	178.81
Inverter	31	2.9	551928.18	4750247.00	189.90
Inverter	32	2.9	552723.96	4750932.03	153.71
Inverter	33	2.9	552327.00	4750403.69	186.67
Inverter	34	2.9	549912.93	4754287.47	163.44
Inverter	35	2.9	549843.40	4754069.50	173.19
Inverter	36	2.9	549411.01	4754085.21	167.16
Inverter	37	2.9	550015.12	4753786.05	175.05
Inverter	38	2.9	549682.49	4754261.72	166.19
Inverter	39	2.9	550260.64	4754287.10	159.17

Table 7-1.1: Modeled Sources Sources in the Cadna/A Model

Name	ID	Relative Source Height	Coordinates		Elevation +
			UTM NAD83 Zone 18N		Source
		(m)	X	Y	Z
Inverter	40	2.9	550212.08	4753878.51	171.90
Inverter	41	2.9	550238.78	4754071.85	166.86
Inverter	42	2.9	554624.02	4752349.39	131.50
Inverter	43	2.9	554108.28	4752159.62	139.63
Inverter	44	2.9	551634.07	4751502.94	149.73
Inverter	45	2.9	551636.00	4751202.41	156.90
Inverter	46	2.9	551430.06	4751065.41	165.37
Inverter	47	2.9	551577.51	4750765.68	174.70
Inverter	48	2.9	552071.75	4751411.02	150.90
Inverter	49	2.9	552118.58	4751438.47	150.90
Inverter	50	2.9	552263.99	4751481.28	149.62
Inverter	51	2.9	552466.57	4751392.28	154.10
Inverter	52	2.9	554659.20	4750904.00	170.42
Inverter	53	2.9	555135.09	4750800.90	182.14
Inverter	54	2.9	550125.10	4753786.70	172.86
Inverter	55	2.9	552222.14	4750653.62	173.86
Inverter	56	2.9	552397.00	4750542.88	174.69
Inverter	57	2.9	552396.30	4750660.71	171.90
Inverter	58	2.9	552105.24	4750557.91	177.90
Inverter	59	2.9	554962.39	4752764.02	101.80
Inverter	60	2.9	552980.79	4749861.38	183.09

Table 7-4.1a: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N	(meters)		31.5	63	125	250	500	1000	2000	4000	8000	
			X	Y											
10	Residence	Non-Participating	553620.51	4749511.82	34	50	39	33	29	33	31	22	0	0	
11	Residence	Non-Participating	553607.06	4749417.70	33	49	39	32	28	32	30	21	0	0	
12	Residence	Non-Participating	553577.66	4749441.54	34	49	39	32	28	33	30	22	0	0	
13	Residence	Non-Participating	553598.26	4749409.09	33	49	39	32	28	32	30	21	0	0	
14	Residence	Non-Participating	553571.47	4749430.18	34	49	39	32	28	32	30	22	0	0	
15	Residence	Non-Participating	553564.27	4749411.72	33	49	38	32	28	32	30	21	0	0	
16	Residence	Non-Participating	553442.39	4749486.27	34	48	38	33	29	33	30	23	5	0	
18	Residence	Non-Participating	553475.99	4749272.63	34	49	39	32	28	32	30	22	0	0	
19	Residence	Non-Participating	553488.36	4749190.76	30	45	34	31	26	29	26	17	0	0	
20	Residence	Non-Participating	553397.22	4749063.25	29	43	33	30	26	29	25	15	0	0	
21	Residence	Non-Participating	553377.20	4749005.70	29	44	34	30	26	29	26	16	0	0	
23	Residence	Non-Participating	553561.73	4749272.69	32	48	38	32	27	31	29	19	0	0	
24	Residence	Non-Participating	553574.39	4749309.19	33	48	38	32	28	32	29	20	0	0	
25	Residence	Non-Participating	553620.54	4749291.76	32	48	38	31	27	31	29	19	0	0	
27	Residence	Non-Participating	553684.46	4749312.08	32	48	38	32	27	31	29	19	0	0	
28	Residence	Non-Participating	553710.71	4749317.74	32	49	38	32	27	32	29	19	0	0	
29	Residence	Non-Participating	553708.92	4749353.07	33	49	39	32	28	32	29	20	0	0	
30	Residence	Non-Participating	553730.45	4749320.50	32	49	38	32	27	31	29	19	0	0	
32	Residence	Non-Participating	553786.39	4749339.35	32	49	38	32	27	31	29	19	0	0	
33	Residence	Non-Participating	553810.04	4749348.12	32	49	39	32	27	31	29	19	0	0	
34	Residence	Non-Participating	553815.53	4749386.41	33	49	39	32	28	32	29	20	0	0	
35	Residence	Non-Participating	553842.45	4749353.44	32	49	39	32	27	31	29	19	0	0	
36	Residence	Non-Participating	553848.75	4749390.38	33	50	40	32	28	32	30	21	0	0	
37	Residence	Non-Participating	553931.34	4749411.71	33	50	40	32	28	32	30	20	0	0	
38	Residence	Non-Participating	553960.01	4749383.92	33	49	39	32	27	32	29	20	0	0	
39	Residence	Non-Participating	553977.57	4749391.48	33	50	39	32	28	32	30	20	0	0	
40	Residence	Non-Participating	554030.09	4749404.59	32	49	39	32	27	32	29	19	0	0	
41	Residence	Non-Participating	554080.42	4749417.44	32	49	39	32	27	31	29	19	0	0	
42	Residence	Non-Participating	554111.63	4749466.61	33	49	39	32	28	32	29	20	0	0	
43	Residence	Non-Participating	554143.66	4749432.07	32	47	37	31	27	31	28	19	0	0	
44	Residence	Non-Participating	554179.52	4749443.30	32	49	39	32	28	32	29	19	0	0	
46	Residence	Non-Participating	554332.74	4749485.43	32	49	39	32	28	31	29	19	0	0	
47	Residence	Non-Participating	552629.05	4749782.74	34	49	38	34	30	33	30	22	5	0	
48	Residence	Non-Participating	552422.18	4749780.50	34	47	36	33	30	33	30	24	7	0	
49	Residence	Non-Participating	552215.88	4749784.96	38	53	42	35	30	36	35	29	11	0	
50	Residence	Non-Participating	552030.15	4749782.86	36	51	40	34	30	35	33	25	8	0	
51	Residence	Non-Participating	552019.77	4749712.13	37	52	42	34	30	35	34	28	11	0	
52	Residence	Non-Participating	551922.97	4749679.16	37	51	41	34	30	35	34	27	10	0	
54	Residence	Non-Participating	551570.52	4749612.37	33	48	38	32	28	32	30	22	7	0	
55	Residence	Non-Participating	551325.67	4749478.65	32	48	37	31	27	31	29	21	2	0	
56	Residence	Non-Participating	554794.56	4749621.54	34	50	40	32	28	33	31	23	0	0	
57	Residence	Non-Participating	554895.30	4749569.97	32	48	38	31	27	31	29	20	0	0	
58	Residence	Non-Participating	555200.32	4749639.45	34	49	41	33	28	32	31	22	0	0	
59	Residence	Non-Participating	555115.67	4749759.00	35	50	40	32	28	33	32	25	3	0	
60	Residence	Non-Participating	555054.50	4749780.10	36	50	40	33	28	33	33	25	4	0	
62	Residence	Non-Participating	555117.84	4749958.10	38	52	42	34	30	35	35	29	11	0	
65	Residence	Non-Participating	555326.36	4750299.14	41	55	45	37	32	38	38	34	19	0	
66	Residence	Non-Participating	553499.88	4749228.65	31	47	36	31	27	31	28	19	0	0	
68	Residence	Non-Participating	555137.11	4750029.20	39	53	43	35	30	36	36	30	13	0	
70	Residence	Non-Participating	550683.80	4755149.29	27	41	31	28	24	26	23	13	0	0	
71	Residence	Non-Participating	550727.44	4755152.85	27	41	31	28	23	26	23	12	0	0	
72	Residence	Non-Participating	550756.74	4755150.88	26	40	31	28	23	26	22	12	0	0	
73	Residence	Non-Participating	550789.23	4755146.19	24	40	30	27	22	24	20	8	0	0	
74	Residence	Non-Participating	550813.39	4755146.77	24	40	30	27	22	24	19	8	0	0	
75	Residence	Non-Participating	550845.50	4755140.98	24	40	30	27	22	24	19	7	0	0	
76	Residence	Non-Participating	550826.31	4755140.59	24	40	30	27	22	24	19	7	0	0	
77	Residence	Non-Participating	550867.79	4755131.24	23	40	30	27	22	23	18	6	0	0	
78	Residence	Non-Participating	550887.58	4755130.01	23	40	30	27	22	23	18	6	0	0	
79	Residence	Non-Participating	550905.82	4755124.33	23	40	30	27	22	23	18	6	0	0	
80	Residence	Non-Participating	550930.35	4755119.74	23	40	30	27	22	23	18	5	0	0	
81	Residence	Non-Participating	550945.56	4755117.32	24	40	30	27	22	24	19	6	0	0	
82	Residence	Non-Participating	550961.02	4755113.39	24	40	30	27	22	24	19	6	0	0	
83	Residence	Non-Participating	550982.67	4755104.94	24	40	30	27	22	24	19	6	0	0	
84	Residence	Non-Participating	551002.52	4755101.68	24	40	30	27	22	24	19	6	0	0	
85	Residence	Non-Participating	551022.13	4755099.20	24	40	30	27	22	24	19	6	0	0	
86	Residence	Non-Participating	551046.03	4755096.23	24	40	30	28	22	24	19	6	0	0	
87	Residence	Non-Participating	551079.93	4755089.22	24	40	30	28	23	24	19	7	0	0	
92	Residence	Non-Participating	551525.79	4750504.83	44	56	46	39	34	40	41	36	26	0	
94	Residence	Non-Participating	551926.20	4753102.00	29	47	37	32	27	29	24	9	0	0	
95	Residence	Non-Participating	551958.41	4753020.24	30	48	38	32	27	29	25	11	0	0	
96	Residence	Non-Participating	552037.80	4752985.58	30	48	38	32	27	30	25	11	0	0	
98	Residence	Non-Participating	551570.84	4753904.92	27	44	34	30	25	27	22	10	0	0	
99	Residence	Non-Participating	551588.21	4753855.54	27	44	35	30	25	27	22	9	0	0	
100	Residence	Non-Participating	551449.45	4754199.65	27	41	31	29	25	27	22	11	0	0	
102	Residence	Non-Participating	552906.80	4751355.90	42	57	46	38	34	39	39	33	19	0	
103	Residence	Non-Participating	555414.87	4753215.13	30	44	36	34	28	30	26	18	0	0	
104	Residence	Non-Participating	555583.14	4753304.80	31	46	37	33	28	30	28	20	0	0	
105	Residence	Non-Participating	555670.69	4753147.71	33	46	42	35	30	32	29	20	0	0	
106	Residence	Non-Participating	555847.25	4753231.57	31	46	41	34	29	31	27	17	0	0	
107	Residence	Non-Participating	555822.18	4753188.69	31	46	41	35	29	31	27	18	0	0	
108	Residence	Non-Participating	555791.22	4753184.54	32	46	41	35	29	31	28	18	0	0	
109	Residence	Non-Participating	555811.87	4753134.94	32	46	41	35	29	31	27	18	0	0	
110	Residence	Non-Participating	555817.29	4753094.52	31	45	41	35	29	31	27	18	0	0	
111	Residence	Non-Participating	555867.13	4753181.53	31	46	41	34	29	31	27	17	0	0	
112	Residence	Non-Participating	555889.77	4753223.55	31	45	41	34	29	30	27	16	0	0	
113	Residence	Non-Participating	555913.56	4753195.21	31	45	41	34	28	30	26	16	0	0	
114	Residence	Non-Participating	555789.17	4753164.20	32	46	41	35	29	31	28	18	0	0	
115	Residence	Non-Participating	555778.80	4753155.10	32	46	41	35	29	31	28	19	0	0	
116	Residence	Non-Participating	555779.75	4753123.68	32	46	41	35	29	31	28	19	0	0	

Table 7-4.1a: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
117	Residence	Non-Participating	555773.78	4753104.10	32	46	42	35	29	31	28	19	0	0	
118	Residence	Non-Participating	555768.28	4753061.32	32	45	41	35	29	31	28	19	0	0	
119	Residence	Non-Participating	555506.35	4752425.23	35	51	44	37	32	35	32	22	0	0	
120	Residence	Non-Participating	555411.38	4752429.78	36	51	45	38	33	35	32	24	4	0	
121	Residence	Non-Participating	555444.52	4752334.26	36	51	45	38	32	35	32	23	1	0	
122	Residence	Non-Participating	555389.22	4752260.79	37	52	45	38	33	36	33	24	2	0	
123	Residence	Non-Participating	555314.75	4752326.25	37	52	45	38	33	36	34	25	6	0	
124	Residence	Non-Participating	555303.73	4752278.93	38	53	46	39	33	37	35	27	9	0	
125	Residence	Non-Participating	555278.06	4752246.63	38	53	46	39	33	37	35	28	9	0	
126	Residence	Non-Participating	555310.17	4752191.86	37	52	45	38	33	36	34	25	4	0	
127	Residence	Non-Participating	555150.42	4752043.77	39	54	46	39	34	38	36	28	8	0	
128	Residence	Non-Participating	555111.42	4752030.41	39	54	47	39	34	38	36	28	9	0	
129	Residence	Non-Participating	555109.17	4751999.69	39	54	47	39	34	38	36	28	9	0	
130	Residence	Non-Participating	555181.62	4751872.74	38	53	46	39	33	37	35	27	4	0	
131	Residence	Non-Participating	555071.83	4751700.54	40	54	46	39	34	38	36	29	8	0	
132	Residence	Non-Participating	555052.74	4751624.77	40	54	46	39	34	38	37	30	10	0	
133	Residence	Non-Participating	555139.23	4751628.39	39	53	46	38	33	37	36	29	11	0	
134	Residence	Non-Participating	551914.00	4752906.30	30	49	39	32	27	30	27	13	0	0	
135	Residence	Non-Participating	554218.74	4750619.62	44	58	48	40	35	41	42	37	24	0	
137	Residence	Non-Participating	551242.05	4752107.85	39	54	44	35	30	36	36	29	13	0	
138	Residence	Non-Participating	551321.25	4752157.29	38	54	44	34	30	36	35	28	10	0	
139	Residence	Non-Participating	551778.30	4752503.24	36	53	44	35	30	34	33	23	0	0	
140	Residence	Non-Participating	550126.31	4753026.88	41	55	45	36	31	38	38	33	20	0	
141	Residence	Non-Participating	550260.97	4753028.28	37	53	43	34	30	35	34	27	11	0	
143	Residence	Non-Participating	549935.88	4752984.91	41	55	45	36	31	38	38	33	21	0	
144	Residence	Non-Participating	549937.57	4753015.22	37	52	42	34	30	35	34	28	13	0	
145	Residence	Non-Participating	549792.45	4752980.70	39	53	43	35	30	36	36	31	18	0	
146	Residence	Non-Participating	548925.79	4752928.90	29	42	32	29	25	28	25	16	0	0	
147	Residence	Non-Participating	548899.59	4752791.17	27	41	31	28	24	27	23	14	0	0	
148	Residence	Non-Participating	548785.85	4752908.45	28	42	31	28	24	28	24	16	0	0	
149	Residence	Non-Participating	548807.21	4752763.77	27	41	31	28	24	27	23	13	0	0	
150	Residence	Non-Participating	548742.97	4752817.99	27	41	31	28	23	26	22	13	0	0	
152	Residence	Non-Participating	548540.09	4752729.82	26	40	30	27	23	26	22	12	0	0	
153	Residence	Non-Participating	548305.59	4752486.76	24	39	29	26	21	24	20	8	0	0	
154	Residence	Non-Participating	548372.15	4752625.68	25	40	30	26	22	25	21	10	0	0	
155	Residence	Non-Participating	548235.16	4752606.02	24	39	29	26	22	24	20	9	0	0	
156	Residence	Non-Participating	548616.62	4751780.44	23	39	29	26	21	23	18	4	0	0	
157	Residence	Non-Participating	548766.50	4751614.71	25	43	32	26	22	25	22	9	0	0	
158	Residence	Non-Participating	548779.30	4751673.55	25	43	33	27	22	25	22	9	0	0	
159	Residence	Non-Participating	548794.10	4751593.02	25	43	32	26	22	25	22	9	0	0	
160	Residence	Non-Participating	548931.22	4751579.56	26	43	33	27	22	26	23	11	0	0	
161	Residence	Non-Participating	549887.58	4751157.10	36	50	40	32	27	33	33	28	13	0	
163	Residence	Non-Participating	550017.12	4750343.09	28	44	34	29	24	28	25	14	0	0	
164	Residence	Non-Participating	550048.38	4750362.15	28	42	32	28	24	27	23	14	0	0	
165	Residence	Non-Participating	550125.18	4750414.06	30	48	37	30	25	30	27	17	0	0	
166	Residence	Non-Participating	550334.30	4750631.75	33	48	38	31	27	32	29	22	5	0	
168	Residence	Non-Participating	552058.11	4752751.95	31	49	39	33	28	31	28	14	0	0	
169	Residence	Non-Participating	552002.82	4752719.44	31	49	39	33	28	30	27	13	0	0	
170	Residence	Non-Participating	551987.43	4752753.85	31	48	38	33	28	30	26	13	0	0	
171	Residence	Non-Participating	548083.96	4753456.92	36	49	39	31	26	33	33	29	16	0	
172	Residence	Non-Participating	547820.51	4753402.32	21	39	28	25	19	21	16	5	0	0	
173	Residence	Non-Participating	547630.79	4753038.28	22	38	28	24	20	22	18	8	0	0	
174	Residence	Non-Participating	548891.36	4752672.09	27	41	31	28	24	27	23	13	0	0	
175	Residence	Non-Participating	548949.46	4752587.07	27	41	31	28	24	27	23	13	0	0	
176	Residence	Non-Participating	549473.90	4750142.19	24	41	31	26	22	24	20	6	0	0	
177	Residence	Non-Participating	549364.11	4750218.78	24	41	31	26	21	24	19	5	0	0	
178	Residence	Non-Participating	549374.39	4750383.39	27	45	35	27	22	26	24	13	0	0	
179	Residence	Non-Participating	549497.53	4750426.70	25	42	32	27	22	25	21	9	0	0	
180	Residence	Non-Participating	549553.23	4750231.76	25	43	32	27	22	25	21	8	0	0	
181	Residence	Non-Participating	549590.49	4750003.25	24	41	31	27	22	24	20	6	0	0	
184	Residence	Non-Participating	551465.05	4748613.11	26	44	34	28	23	26	22	9	0	0	
185	Residence	Non-Participating	551698.28	4748882.11	29	46	35	29	24	28	25	13	0	0	
186	Residence	Non-Participating	552195.89	4748808.52	29	45	35	29	25	28	26	15	0	0	
188	Amish Community	Non-Participating	552549.47	4748962.91	29	44	34	30	26	29	26	16	0	0	
190	Residence	Non-Participating	555384.61	4749593.85	33	49	39	31	27	31	30	21	0	0	
191	Residence	Non-Participating	555603.50	4749543.60	32	49	40	32	26	31	29	19	0	0	
192	Residence	Non-Participating	556044.38	4749445.55	30	47	39	30	25	29	26	15	0	0	
193	Residence	Non-Participating	556198.42	4749781.63	31	48	39	31	25	29	28	18	0	0	
194	Residence	Non-Participating	555802.43	4749877.62	34	50	39	31	27	32	31	23	0	0	
195	Residence	Non-Participating	556384.29	4750316.09	32	48	40	32	26	31	29	20	0	0	
196	Residence	Non-Participating	556587.52	4750631.17	31	48	39	31	26	30	28	18	0	0	
197	Residence	Non-Participating	556568.00	4750776.16	29	45	38	31	26	29	25	15	0	0	
198	Residence	Non-Participating	556617.91	4750861.79	29	45	38	31	26	28	25	14	0	0	
199	Residence	Non-Participating	555988.86	4750901.93	35	48	41	34	29	33	31	25	8	0	
200	Residence	Non-Participating	555951.70	4751023.36	35	48	41	34	30	33	31	25	7	0	
201	Residence	Non-Participating	556299.02	4751489.59	33	49	41	33	28	31	29	19	0	0	
202	Residence	Non-Participating	556123.54	4751443.61	33	49	41	34	29	32	30	21	0	0	
203	Residence	Non-Participating	556113.31	4751586.41	33	50	40	32	27	32	30	21	0	0	
204	Residence	Non-Participating	556134.21	4751708.14	33	49	42	34	29	32	30	20	0	0	
205	Residence	Non-Participating	556213.27	4751774.05	32	49	41	34	28	31	29	18	0	0	
206	Residence	Non-Participating	556224.65	4751815.69	31	49	38	32	26	30	28	17	0	0	
207	Residence	Non-Participating	555126.11	4753527.91	28	40	34	34	28	28	21	8	0	0	
208	Residence	Non-Participating	555084.02	4753547.90	28	40	34	34	28	28	21	8	0	0	
210	Residence	Non-Participating	555002.82	4753597.61	28	40	34	34	29	28	21	9	0	0	
213	Residence	Non-Participating	554241.34	4753798.98	29	45	37	35	30	30	23	9	0	0	
214	Residence	Non-Participating	553878.98	4754211.48	22	38	31	30	23	22	14	0	0	0	
215	Residence	Non-Participating	553723.92	4754259.61	26	39	32	32	27	26	18	1	0	0	
216	Residence	Non-Participating	553575.25	4754289.95	25	39	32	32	26	26	18	1	0	0	
217	Residence	Non-Participating	553744.52	4754503.18	24	38	31	31	25	24	16	0	0	0	

Table 7-4.1a: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
219	Residence	Non-Participating	553788.75	4754034.02	27	43	35	34	28	28	20	5	0	0
220	Residence	Non-Participating	553118.80	4754272.46	26	44	34	32	26	26	19	0	0	0
221	Residence	Non-Participating	553211.92	4754368.10	24	38	31	31	25	25	17	0	0	0
222	Residence	Non-Participating	553202.75	4754319.09	25	39	32	31	26	25	17	0	0	0
223	Residence	Non-Participating	553023.01	4754463.57	22	38	31	30	23	23	15	0	0	0
224	Residence	Non-Participating	552955.72	4754456.21	22	38	31	29	23	22	15	0	0	0
225	Residence	Non-Participating	552827.55	4754411.53	22	38	30	29	22	22	14	0	0	0
226	Residence	Non-Participating	552892.44	4754478.80	22	38	30	29	23	22	15	0	0	0
229	Residence	Non-Participating	552622.43	4754532.87	23	38	30	29	23	23	15	0	0	0
230	Residence	Non-Participating	552500.75	4754573.42	22	38	30	29	23	23	15	0	0	0
231	Residence	Non-Participating	552394.76	4754564.47	23	39	30	29	23	23	16	0	0	0
232	Residence	Non-Participating	552239.88	4754506.04	25	45	35	30	24	25	20	4	0	0
233	Residence	Non-Participating	552345.21	4754413.19	26	45	35	30	24	26	20	3	0	0
234	Residence	Non-Participating	552110.64	4754593.78	23	39	30	29	23	23	17	1	0	0
235	Residence	Non-Participating	551830.65	4754673.54	26	44	34	29	23	26	22	9	0	0
236	Residence	Non-Participating	551792.76	4754572.76	26	44	34	29	24	26	22	10	0	0
237	Residence	Non-Participating	551819.02	4754476.31	25	41	31	29	24	25	19	5	0	0
238	Residence	Non-Participating	551865.61	4754444.05	24	41	31	29	24	25	19	5	0	0
239	Residence	Non-Participating	551438.07	4754841.79	24	40	30	28	23	24	20	8	0	0
240	Residence	Non-Participating	551391.00	4754852.89	25	40	30	28	23	25	20	9	0	0
241	Residence	Non-Participating	551367.92	4754811.20	29	46	36	29	24	28	26	16	0	0
242	Residence	Non-Participating	551376.12	4754827.93	29	46	36	29	24	28	26	16	0	0
243	Residence	Non-Participating	551350.26	4754867.76	25	40	30	28	23	25	21	9	0	0
244	Residence	Non-Participating	551351.20	4754765.75	29	45	35	29	24	28	26	16	0	0
245	Residence	Non-Participating	551389.48	4754763.51	29	45	35	29	24	28	25	15	0	0
246	Residence	Non-Participating	551347.38	4754747.47	27	43	33	29	24	27	24	13	0	0
247	Residence	Non-Participating	551360.09	4754701.39	26	40	31	29	24	26	21	10	0	0
248	Residence	Non-Participating	551306.48	4754738.43	26	40	31	28	24	26	22	11	0	0
249	Residence	Non-Participating	551314.25	4754709.08	26	40	31	29	24	26	22	11	0	0
250	Residence	Non-Participating	551359.82	4754678.66	26	40	31	29	24	26	22	11	0	0
251	Residence	Non-Participating	551447.80	4754719.49	28	45	35	29	24	27	25	15	0	0
252	Residence	Non-Participating	551284.91	4754847.61	26	40	31	28	23	25	21	10	0	0
253	Residence	Non-Participating	551283.06	4754818.35	26	40	31	28	23	25	21	10	0	0
254	Residence	Non-Participating	551298.02	4754777.57	26	40	31	28	24	26	22	11	0	0
255	Residence	Non-Participating	551273.29	4754710.31	26	40	31	29	24	26	22	12	0	0
256	Residence	Non-Participating	551268.34	4754731.97	26	40	31	29	24	26	22	11	0	0
257	Residence	Non-Participating	551247.83	4754748.35	26	40	31	29	24	26	22	12	0	0
258	Residence	Non-Participating	551287.33	4754643.29	27	41	31	29	24	26	22	12	0	0
259	Residence	Non-Participating	551224.03	4754867.18	25	40	30	28	23	25	21	10	0	0
260	Residence	Non-Participating	551219.49	4754888.07	26	40	30	28	23	25	21	10	0	0
261	Residence	Non-Participating	551213.74	4754907.71	26	40	30	28	23	25	21	10	0	0
262	Residence	Non-Participating	551211.61	4754929.37	26	40	30	28	23	25	21	10	0	0
263	Residence	Non-Participating	551204.30	4754955.64	26	40	30	28	23	25	21	10	0	0
264	Residence	Non-Participating	551288.82	4754671.60	28	43	33	29	24	27	24	15	0	0
265	Residence	Non-Participating	551273.90	4754673.40	28	43	33	29	24	27	25	15	0	0
266	Residence	Non-Participating	551263.00	4754674.86	28	43	33	29	24	27	25	15	0	0
267	Residence	Non-Participating	551249.46	4754684.68	28	43	33	29	24	27	25	15	0	0
268	Residence	Non-Participating	551221.67	4754666.81	27	41	31	29	24	27	23	13	0	0
269	Residence	Non-Participating	551217.45	4754690.70	28	44	34	29	24	28	25	15	0	0
270	Residence	Non-Participating	551210.52	4754698.88	28	44	34	29	24	28	25	15	0	0
271	Residence	Non-Participating	551201.53	4754704.65	28	44	34	29	24	28	25	16	0	0
272	Residence	Non-Participating	551217.99	4754730.80	29	45	35	29	24	28	26	16	0	0
273	Residence	Non-Participating	551157.49	4754658.09	27	41	31	29	24	27	23	14	0	0
274	Residence	Non-Participating	551191.22	4754708.81	27	41	31	29	24	27	23	13	0	0
275	Residence	Non-Participating	551203.01	4754740.23	31	47	37	29	25	29	28	19	0	0
276	Residence	Non-Participating	551187.73	4754744.47	31	47	37	29	25	29	28	19	0	0
277	Residence	Non-Participating	551173.11	4754718.66	27	41	31	29	24	27	23	13	0	0
278	Residence	Non-Participating	551208.06	4754769.99	27	41	31	29	24	26	22	12	0	0
279	Residence	Non-Participating	551233.34	4754806.62	26	40	31	28	24	26	22	11	0	0
280	Residence	Non-Participating	551219.56	4754805.10	26	40	31	28	24	26	22	12	0	0
281	Residence	Non-Participating	551208.89	4754805.01	26	40	31	28	24	26	22	12	0	0
282	Residence	Non-Participating	551196.03	4754804.57	26	40	31	28	24	26	22	12	0	0
283	Residence	Non-Participating	551159.96	4754397.83	34	50	39	31	26	32	31	23	0	0
284	Residence	Non-Participating	551130.26	4754363.27	34	51	40	31	27	32	32	24	0	0
285	Residence	Non-Participating	551076.05	4754225.02	35	51	41	32	27	33	32	25	1	0
287	Residence	Non-Participating	550612.74	4753448.90	39	54	44	35	30	36	36	30	12	0
288	Residence	Non-Participating	551265.67	4754590.90	27	41	31	29	24	27	23	13	0	0
289	Residence	Non-Participating	551143.38	4755018.89	23	40	30	27	21	23	18	5	0	0
290	Residence	Non-Participating	551132.67	4754986.85	21	39	29	26	20	21	14	0	0	0
291	Residence	Non-Participating	551094.82	4754984.85	24	40	30	28	23	24	19	7	0	0
292	Residence	Non-Participating	551081.34	4754943.71	26	40	31	28	23	25	21	11	0	0
293	Residence	Non-Participating	551119.58	4755064.45	24	40	30	28	23	24	20	8	0	0
294	Residence	Non-Participating	551106.74	4755029.86	24	40	30	27	22	24	19	6	0	0
295	Residence	Non-Participating	551102.53	4755012.82	23	40	30	27	22	23	18	6	0	0
297	Residence	Non-Participating	551096.47	4755269.48	23	39	29	27	22	23	18	6	0	0
298	Residence	Non-Participating	551074.12	4755266.33	22	39	29	27	21	22	17	3	0	0
299	Residence	Non-Participating	551054.17	4755262.67	21	39	29	26	21	22	16	2	0	0
300	Residence	Non-Participating	551106.58	4755151.63	24	40	30	28	23	24	20	8	0	0
301	Residence	Non-Participating	551075.32	4755019.57	23	40	30	27	22	23	18	6	0	0
302	Residence	Non-Participating	551050.07	4755000.14	23	40	30	27	22	23	18	5	0	0
303	Residence	Non-Participating	551089.41	4755015.56	23	40	30	27	22	23	18	6	0	0
304	Residence	Non-Participating	551016.47	4755000.54	21	40	30	27	21	21	15	1	0	0
305	Residence	Non-Participating	550926.18	4755025.15	27	41	31	28	24	26	23	12	0	0
306	Residence	Non-Participating	550902.21	4755030.21	27	41	31	28	24	26	23	12	0	0
307	Residence	Non-Participating	550864.74	4755035.76	27	41	31	28	24	26	23	13	0	0
308	Residence	Non-Participating	550832.57	4755040.95	27	41	31	28	24	27	23	13	0	0
309	Residence	Non-Participating	550813.43	4755049.25	27	41	31	28	24	27	23	13	0	0
310	Residence	Non-Participating	550787.29	4755051.69	27	41	31	28	24	27	23	13	0	0
311	Residence	Non-Participating	550765.69	4755055.14	27	41	31	28	24	27	23	13	0	0

Table 7-4.1a: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N	Y		31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	(m)											
312	Residence	Non-Participating	550738.53	4755060.68	27	41	31	28	24	27	23	13	0	0	
313	Residence	Non-Participating	550733.66	4755026.08	27	41	31	28	24	27	23	13	0	0	
314	Residence	Non-Participating	550761.51	4755020.67	27	41	31	28	24	27	23	13	0	0	
315	Residence	Non-Participating	550784.14	4755016.18	27	41	31	28	24	27	23	13	0	0	
316	Residence	Non-Participating	550805.10	4755013.79	27	41	31	28	24	27	23	13	0	0	
317	Residence	Non-Participating	550830.46	4755008.57	27	41	31	28	24	27	23	13	0	0	
318	Residence	Non-Participating	550854.11	4755004.76	27	41	31	28	24	27	23	13	0	0	
319	Residence	Non-Participating	550875.87	4755000.63	27	41	31	28	24	27	23	13	0	0	
320	Residence	Non-Participating	550898.55	4754995.13	27	41	31	28	24	26	23	13	0	0	
321	Residence	Non-Participating	550924.17	4754990.22	27	41	31	28	24	26	23	13	0	0	
322	Residence	Non-Participating	550947.14	4754982.12	27	41	31	28	24	26	23	13	0	0	
323	Residence	Non-Participating	551003.16	4754892.98	27	41	31	28	24	26	22	12	0	0	
324	Residence	Non-Participating	550953.63	4754942.08	27	41	31	28	24	27	23	13	0	0	
325	Residence	Non-Participating	550951.68	4754893.97	27	41	31	28	24	26	23	12	0	0	
326	Residence	Non-Participating	550932.16	4754901.06	27	41	31	29	24	27	23	14	0	0	
327	Residence	Non-Participating	550924.86	4754904.74	27	41	31	28	24	27	23	13	0	0	
328	Residence	Non-Participating	550907.30	4754906.21	27	41	31	29	24	27	23	13	0	0	
329	Residence	Non-Participating	550902.26	4754944.25	27	41	31	28	24	27	23	13	0	0	
330	Residence	Non-Participating	550882.99	4754908.86	27	41	31	29	24	27	23	13	0	0	
331	Residence	Non-Participating	550877.88	4754951.63	27	41	31	28	24	27	23	13	0	0	
332	Residence	Non-Participating	550859.79	4754914.95	27	41	31	29	24	27	23	13	0	0	
333	Residence	Non-Participating	550853.17	4754953.37	27	41	31	28	24	27	23	13	0	0	
334	Residence	Non-Participating	550836.80	4754918.41	27	41	31	29	24	27	23	13	0	0	
335	Residence	Non-Participating	550835.17	4754956.90	27	41	31	28	24	27	23	13	0	0	
336	Residence	Non-Participating	550811.53	4754921.81	27	41	31	29	24	27	23	13	0	0	
337	Residence	Non-Participating	550811.03	4754959.46	27	41	31	28	24	27	23	13	0	0	
338	Residence	Non-Participating	550788.34	4754927.78	27	41	31	29	24	27	23	13	0	0	
339	Residence	Non-Participating	550782.70	4754966.07	27	41	31	29	24	27	23	13	0	0	
340	Residence	Non-Participating	550759.41	4754973.37	27	41	31	29	24	27	23	13	0	0	
341	Residence	Non-Participating	550536.56	4754834.20	27	43	32	29	24	27	23	14	0	0	
342	Residence	Non-Participating	550559.36	4754845.37	27	42	32	29	24	27	23	14	0	0	
343	Residence	Non-Participating	550537.49	4754880.60	28	42	32	29	25	27	24	15	0	0	
344	Residence	Non-Participating	550563.03	4754888.12	28	42	32	29	25	27	24	15	0	0	
345	Residence	Non-Participating	550581.18	4754849.29	27	42	32	28	24	26	23	14	0	0	
346	Residence	Non-Participating	550606.18	4754858.64	27	42	32	28	24	26	23	13	0	0	
347	Residence	Non-Participating	550581.06	4754892.30	27	42	32	29	24	27	23	14	0	0	
348	Residence	Non-Participating	550627.87	4754866.16	27	42	32	28	24	26	22	13	0	0	
349	Residence	Non-Participating	550606.38	4754901.75	27	42	32	29	24	27	23	14	0	0	
350	Residence	Non-Participating	550646.19	4754871.73	26	42	32	28	24	26	22	13	0	0	
351	Residence	Non-Participating	550629.92	4754910.37	27	42	32	29	24	27	23	14	0	0	
352	Residence	Non-Participating	550651.92	4754918.85	27	42	32	29	24	27	23	13	0	0	
353	Residence	Non-Participating	550676.03	4754882.55	26	42	32	28	24	26	22	13	0	0	
354	Residence	Non-Participating	550697.98	4754891.67	27	42	32	29	24	26	22	13	0	0	
355	Residence	Non-Participating	550718.13	4754897.82	27	42	32	29	24	26	22	12	0	0	
356	Residence	Non-Participating	550674.19	4754922.88	27	42	32	29	24	27	23	13	0	0	
357	Residence	Non-Participating	550696.75	4754931.72	27	42	32	29	24	27	23	13	0	0	
358	Residence	Non-Participating	550721.27	4754938.63	27	42	32	29	24	27	23	13	0	0	
359	Residence	Non-Participating	550569.94	4754927.90	28	42	32	29	25	28	24	15	0	0	
360	Residence	Non-Participating	550593.65	4754938.80	28	42	32	29	25	28	24	14	0	0	
361	Residence	Non-Participating	550614.53	4754943.30	28	42	32	29	24	27	23	14	0	0	
362	Residence	Non-Participating	550635.87	4754950.52	27	42	32	29	24	27	23	14	0	0	
363	Residence	Non-Participating	550661.03	4754960.54	27	42	32	29	24	27	23	13	0	0	
364	Residence	Non-Participating	550566.67	4754968.96	28	42	32	29	25	28	24	15	0	0	
365	Residence	Non-Participating	550588.92	4754977.80	28	42	32	29	25	28	24	15	0	0	
367	Residence	Non-Participating	550163.82	4755713.22	28	45	34	27	22	27	24	13	0	0	
370	Residence	Non-Participating	549894.89	4755626.38	28	45	35	27	23	27	26	15	0	0	
371	Residence	Non-Participating	549908.67	4755667.97	29	47	36	27	23	28	26	16	0	0	
372	Residence	Non-Participating	549865.81	4755607.45	29	45	35	27	23	27	26	15	0	0	
373	Residence	Non-Participating	549852.45	4755533.47	28	44	33	27	23	27	24	14	0	0	
374	Residence	Non-Participating	549774.54	4755556.47	27	44	33	27	23	27	24	14	0	0	
376	Residence	Non-Participating	549526.20	4755402.39	29	44	34	27	23	27	25	16	0	0	
377	Residence	Non-Participating	549490.82	4755370.60	29	44	34	28	23	28	26	16	0	0	
378	Residence	Non-Participating	549348.85	4755236.33	28	43	33	28	24	27	25	15	0	0	
379	Residence	Non-Participating	548981.38	4754313.49	32	45	34	31	27	31	29	22	7	0	
380	Residence	Non-Participating	549233.49	4754417.60	30	45	35	31	27	30	26	20	4	0	
381	Residence	Non-Participating	548351.04	4754688.66	29	45	35	27	23	28	27	18	0	0	
382	Residence	Non-Participating	548524.96	4754025.22	24	43	32	27	22	24	20	11	0	0	
383	Residence	Non-Participating	548435.67	4753966.26	25	42	31	27	23	25	21	12	0	0	
384	Residence	Non-Participating	548388.96	4753886.51	25	42	31	27	22	25	21	12	0	0	
385	Residence	Non-Participating	547889.56	4754422.75	29	46	35	27	22	28	27	18	0	0	
386	Residence	Non-Participating	547594.46	4754197.17	28	45	35	26	21	27	26	16	0	0	
387	Residence	Non-Participating	547653.89	4754252.46	28	45	35	26	22	27	26	16	0	0	
388	Residence	Non-Participating	547726.87	4754321.39	29	45	35	26	22	27	26	17	0	0	
389	Residence	Non-Participating	549033.25	4751956.98	27	45	34	28	23	27	24	12	0	0	
390	Residence	Non-Participating	549022.33	4751492.26	27	44	33	27	22	26	23	12	0	0	
391	Residence	Non-Participating	549249.43	4751270.26	28	45	35	28	23	27	25	16	0	0	
393	Residence	Non-Participating	551158.81	4749264.64	31	48	37	30	25	30	28	20	0	0	
394	Residence	Non-Participating	553410.52	4748301.00	27	45	35	28	23	26	23	10	0	0	
395	Residence	Non-Participating	553233.41	4748367.33	28	46	35	28	23	27	24	11	0	0	
396	Residence	Non-Participating	553375.92	4748408.61	28	46	36	28	24	28	25	13	0	0	
397	Residence	Non-Participating	553293.94	4748530.05	29	46	36	29	24	28	25	14	0	0	
398	Residence	Non-Participating	553288.85	4748783.36	32	48	38	30	26	30	29	19	0	0	
399	Residence	Non-Participating	556001.32	4750730.56	38	52	43	35	30	35	35	30	16	0	
400	Residence	Non-Participating	553185.76	4750210.79	44	58	48	40	35	41	41	36	24	0	
401	Residence	Non-Participating	552349.44	4754129.23	25	42	33	30	25	25	19	0	0	0	
403	Residence	Non-Participating	552185.69	4752390.38	36	53	43	35	30	35	34	24	0	0	
406	Residence	Non-Participating	550429.90	4752241.65	36	52	41	33	29	34	33	25	8	0	
407	Residence	Non-Participating	551434.85	4748588.34	26	44	34	27	23	26	22	8	0	0	
408	Residence	Non-Participating	551509.51	4748562.13	26	44	34	27	23	26	22	8	0	0	

Table 7-4.1a: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
409	Residence	Non-Participating	552894.34	4749050.10	31	45	35	30	26	30	27	18	0	0	
410	Residence	Non-Participating	552986.65	4749028.41	30	45	35	30	26	30	27	17	0	0	
411	Residence	Non-Participating	553028.58	4749044.41	30	45	35	30	26	30	26	17	0	0	
412	Residence	Non-Participating	553104.89	4749100.81	31	46	36	31	27	30	28	19	0	0	
413	Residence	Non-Participating	553366.60	4749180.10	31	45	35	31	27	30	27	18	0	0	
414	Residence	Non-Participating	553423.99	4749256.20	34	49	39	32	28	32	30	22	1	0	
415	Residence	Non-Participating	553448.37	4749428.97	33	47	37	32	29	32	30	22	4	0	
416	Residence	Non-Participating	553410.82	4749414.98	34	47	37	32	29	32	30	23	5	0	
417	Residence	Non-Participating	553406.67	4749443.81	33	46	36	32	29	32	30	22	5	0	
418	Residence	Non-Participating	553431.75	4749567.75	37	51	41	34	30	35	34	27	11	0	
419	Residence	Non-Participating	553626.20	4749451.77	34	49	39	32	28	33	30	22	0	0	
420	Residence	Non-Participating	553634.19	4749471.79	34	50	39	32	29	33	31	22	0	0	
421	Residence	Non-Participating	553643.57	4749489.52	34	50	39	33	29	33	31	22	0	0	
422	Residence	Non-Participating	553407.05	4749773.65	41	55	45	37	32	38	39	33	20	0	
423	Residence	Non-Participating	553983.54	4749933.68	40	54	44	36	31	37	37	31	16	0	
424	Residence	Non-Participating	555173.49	4750134.49	40	54	44	36	31	37	37	32	16	0	
425	Residence	Non-Participating	555207.56	4750221.59	41	55	44	36	32	38	38	33	18	0	
426	Residence	Non-Participating	555338.78	4750321.81	42	55	45	37	32	38	39	34	20	0	
427	Residence	Non-Participating	555349.53	4750479.06	44	56	46	39	34	40	41	37	27	0	
428	Residence	Non-Participating	555438.17	4750536.27	46	58	47	41	35	42	43	39	32	5	
429	Residence	Non-Participating	555846.23	4750675.55	42	54	44	37	31	38	38	34	25	0	
430	Residence	Non-Participating	554878.22	4751320.86	41	54	46	39	34	39	38	33	18	0	
431	Residence	Non-Participating	554716.98	4751199.68	44	57	48	40	35	41	41	36	25	0	
432	Residence	Non-Participating	554651.09	4751173.01	45	57	48	41	36	42	42	37	27	0	
433	Residence	Non-Participating	554439.15	4751098.15	45	58	48	41	36	42	42	38	27	0	
435	Residence	Non-Participating	554221.22	4750614.26	44	58	48	40	35	41	41	36	24	0	
436	Residence	Non-Participating	554071.16	4750539.40	45	58	49	41	36	42	42	38	27	0	
437	Residence	Non-Participating	553198.23	4750221.86	44	58	48	39	35	41	41	36	24	0	
438	Residence	Non-Participating	552630.81	4749781.96	34	49	38	34	30	33	30	22	5	0	
439	Residence	Non-Participating	552139.68	4749540.13	37	52	42	34	30	35	34	27	5	0	
440	Residence	Non-Participating	551342.64	4749649.80	31	47	36	31	27	30	27	18	1	0	
441	Residence	Non-Participating	551641.64	4749636.40	34	49	38	32	29	33	30	22	6	0	
442	Residence	Non-Participating	551984.34	4749770.31	36	50	40	34	30	34	33	25	7	0	
443	Residence	Non-Participating	551945.18	4749889.18	40	53	43	36	32	37	37	32	20	0	
444	Residence	Non-Participating	551920.47	4749921.68	37	51	41	35	31	36	34	28	15	0	
445	Residence	Non-Participating	551849.72	4749991.56	43	56	45	38	33	40	40	36	26	0	
446	Residence	Non-Participating	551698.69	4750089.38	45	57	47	40	35	41	42	38	30	1	
447	Residence	Non-Participating	551676.72	4750130.29	45	57	47	40	35	41	42	38	30	1	
448	Residence	Non-Participating	551657.14	4750165.55	45	57	46	40	35	41	42	38	30	1	
451	Residence	Non-Participating	551533.62	4750503.47	44	56	46	39	34	40	41	36	26	0	
452	Residence	Non-Participating	551597.12	4750545.03	45	57	47	40	35	42	42	38	29	0	
455	Residence	Non-Participating	552736.48	4751255.66	43	57	46	39	35	40	40	35	24	0	
456	Residence	Non-Participating	552769.86	4751277.02	43	57	46	39	34	40	40	35	22	0	
457	Residence	Non-Participating	552830.19	4751320.02	42	56	46	38	34	40	39	33	20	0	
458	Residence	Non-Participating	553436.51	4751759.80	40	55	45	39	34	38	37	28	6	0	
459	Residence	Non-Participating	553506.02	4751738.27	41	55	48	41	36	39	37	30	8	0	
460	Residence	Non-Participating	553483.84	4751851.04	41	56	49	42	36	40	38	29	7	0	
461	Residence	Non-Participating	553735.55	4751741.11	41	55	45	40	35	39	38	32	17	0	
462	Residence	Non-Participating	553602.95	4751849.63	41	55	49	42	37	40	38	30	10	0	
463	Residence	Non-Participating	553679.93	4751877.58	42	55	49	43	38	41	38	31	12	0	
464	Residence	Non-Participating	553955.49	4751998.63	46	58	52	47	41	44	42	38	28	0	
465	Residence	Non-Participating	554013.92	4752018.30	47	58	52	47	41	45	44	40	32	8	
466	Residence	Non-Participating	554330.16	4752045.99	45	57	51	46	40	43	42	37	27	0	
467	Residence	Non-Participating	554385.45	4752105.59	46	57	52	47	40	44	42	37	26	0	
468	Residence	Non-Participating	554996.21	4752983.11	43	54	44	40	34	39	39	36	28	0	
469	Residence	Non-Participating	552463.19	4751826.01	42	57	46	38	33	39	39	34	21	0	
470	Residence	Non-Participating	552415.86	4751905.24	41	56	46	37	33	39	39	33	18	0	
471	Residence	Non-Participating	552384.43	4751953.62	41	56	46	37	32	38	38	32	16	0	
472	Residence	Non-Participating	550864.41	4750895.54	37	54	44	34	30	35	35	27	6	0	
473	Residence	Non-Participating	550437.71	4750644.56	33	50	41	32	28	32	30	20	0	0	
474	Residence	Non-Participating	550416.04	4750554.30	32	50	40	31	26	31	29	18	0	0	
475	Residence	Non-Participating	550486.99	4750502.42	33	50	41	32	27	32	30	19	0	0	
476	Residence	Non-Participating	550994.06	4751341.10	42	57	46	37	33	39	39	35	23	0	
477	Residence	Non-Participating	550857.25	4751368.13	42	55	45	37	32	39	39	35	23	0	
478	Residence	Non-Participating	550757.63	4751376.95	43	55	45	38	33	39	39	36	26	0	
479	Residence	Non-Participating	550696.17	4751558.34	39	51	41	35	31	36	36	32	20	0	
480	Residence	Non-Participating	550539.97	4751547.18	42	55	44	37	32	38	39	35	24	0	
481	Residence	Non-Participating	550327.91	4751516.47	41	54	44	36	31	38	38	34	23	0	
482	Residence	Non-Participating	550699.44	4751654.52	41	54	44	36	31	38	38	34	22	0	
483	Residence	Non-Participating	550669.44	4752004.85	38	54	44	34	30	36	36	29	12	0	
484	Residence	Non-Participating	550340.44	4752119.24	38	54	43	34	29	36	36	29	13	0	
485	Residence	Non-Participating	550406.61	4752193.43	36	52	41	33	29	34	33	25	7	0	
487	Residence	Non-Participating	550360.85	4752323.22	40	55	44	35	30	37	37	32	20	0	
488	Residence	Non-Participating	548909.80	4752806.39	27	41	31	28	24	27	23	14	0	0	
489	Residence	Non-Participating	548923.84	4752923.85	29	42	32	29	25	28	25	16	0	0	
490	Residence	Non-Participating	549715.75	4753011.53	36	51	40	33	29	34	33	27	11	0	
491	Residence	Non-Participating	549604.03	4752964.13	37	52	42	33	29	34	34	28	12	0	
497	Residence	Non-Participating	548989.32	4753277.25	34	48	38	31	27	32	31	25	9	0	
498	Residence	Non-Participating	549058.44	4753446.84	35	48	38	32	28	33	32	26	10	0	
502	Residence	Non-Participating	548729.84	4754058.42	39	51	41	34	29	35	36	31	20	0	
504	Residence	Non-Participating	550230.99	4755026.90	28	42	32	28	24	27	24	16	0	0	
506	Residence	Non-Participating	554124.52	4753973.59	28	42	35	34	28	28	21	6	0	0	
507	Residence	Non-Participating	553340.55	4754775.59	23	38	30	30	24	23	15	0	0	0	
508	Residence	Non-Participating	553428.98	4754722.48	23	38	30	30	24	23	15	0	0	0	
509	Residence	Non-Participating	553925.35	4749375.44	32	49	38	32	27	31	29	19	0	0	
510	Residence	Non-Participating	553979.22	4749434.62	33	50	40	32	28	32	30	21	0	0	
511	Residence	Non-Participating	554959.74	4749921.85	38	52	42	34	30	35	35	29	12	0	
512	Residence	Non-Participating	555076.34	4749863.02	36	51	41	33	29	34	34	27	7	0	
514	Residence	Non-Participating	549153.02	4751377.72	28	44	34	27	23	27	24	14	0	0	

Table 7-4.1a: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
515	Residence	Non-Participating	548917.85	4751629.91	26	43	33	27	22	26	23	10	0	0
516	Residence	Non-Participating	549152.91	4751526.35	28	44	34	28	23	27	24	14	0	0
517	Residence	Non-Participating	549314.70	4755280.09	28	43	33	27	23	27	25	15	0	0
518	Residence	Non-Participating	549706.22	4755534.47	28	44	33	27	23	27	24	14	0	0
519	Residence	Non-Participating	549942.05	4755557.33	27	43	33	27	23	27	24	14	0	0
Summary of Maximum and Minimum Sound Levels														
465	Residence	Non-Participating	554013.92	4752018.30	47	58	52	47	41	45	44	40	32	8
290	Residence	Non-Participating	551132.67	4754986.85	21	39	29	26	20	21	14	0	0	0

Table 7-4.1b: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
465	Residence	Non-Participating	554013.92	4752018.30	47	58	52	47	41	45	44	40	32	8	
464	Residence	Non-Participating	553955.49	4751998.63	46	58	52	47	41	44	42	38	28	0	
428	Residence	Non-Participating	555438.17	4750536.27	46	58	47	41	35	42	43	39	32	5	
467	Residence	Non-Participating	554385.45	4752105.59	46	57	52	47	40	44	42	37	26	0	
466	Residence	Non-Participating	554330.16	4752045.99	45	57	51	46	40	43	42	37	27	0	
436	Residence	Non-Participating	554071.16	4750539.40	45	58	49	41	36	42	42	38	27	0	
447	Residence	Non-Participating	551676.72	4750130.29	45	57	47	40	35	41	42	38	30	1	
452	Residence	Non-Participating	551597.12	4750545.03	45	57	47	40	35	42	42	38	29	0	
446	Residence	Non-Participating	551698.69	4750089.38	45	57	47	40	35	41	42	38	30	1	
433	Residence	Non-Participating	554439.15	4751098.15	45	58	48	41	36	42	42	38	27	0	
448	Residence	Non-Participating	551657.14	4750165.55	45	57	46	40	35	41	42	38	30	1	
432	Residence	Non-Participating	554651.09	4751173.01	45	57	48	41	36	42	42	37	27	0	
135	Residence	Non-Participating	554218.74	4750619.62	44	58	48	40	35	41	42	37	24	0	
435	Residence	Non-Participating	554221.22	4750614.26	44	58	48	40	35	41	41	36	24	0	
400	Residence	Non-Participating	553185.76	4750210.79	44	58	48	40	35	41	41	36	24	0	
437	Residence	Non-Participating	553198.23	4750221.86	44	58	48	39	35	41	41	36	24	0	
427	Residence	Non-Participating	555349.53	4750479.06	44	56	46	39	34	40	41	37	27	0	
431	Residence	Non-Participating	554716.98	4751199.68	44	57	48	40	35	41	41	36	25	0	
451	Residence	Non-Participating	551533.62	4750503.47	44	56	46	39	34	40	41	36	26	0	
92	Residence	Non-Participating	551525.99	4750504.83	44	56	46	39	34	40	41	36	26	0	
455	Residence	Non-Participating	552736.48	4751255.66	43	57	46	39	35	40	40	35	24	0	
445	Residence	Non-Participating	551849.72	4749991.56	43	56	45	38	33	40	40	36	26	0	
456	Residence	Non-Participating	552769.86	4751277.02	43	57	46	39	34	40	40	35	22	0	
468	Residence	Non-Participating	554996.21	4752983.11	43	54	44	40	34	39	39	36	28	0	
478	Residence	Non-Participating	550757.63	4751376.95	43	55	45	38	33	39	39	36	26	0	
476	Residence	Non-Participating	550994.06	4751341.10	42	57	46	37	33	39	39	35	23	0	
469	Residence	Non-Participating	552463.19	4751826.01	42	57	46	38	33	39	39	34	21	0	
102	Residence	Non-Participating	552906.80	4751355.90	42	57	46	38	34	39	39	33	19	0	
457	Residence	Non-Participating	552830.19	4751320.02	42	56	46	38	34	40	39	33	20	0	
477	Residence	Non-Participating	550857.25	4751368.13	42	55	45	37	32	39	39	35	23	0	
480	Residence	Non-Participating	550539.97	4751547.18	42	55	44	37	32	38	39	35	24	0	
463	Residence	Non-Participating	553679.93	4751877.58	42	55	49	43	38	41	38	31	12	0	
426	Residence	Non-Participating	555338.78	4750321.81	42	55	45	37	32	38	39	34	20	0	
429	Residence	Non-Participating	555846.23	4750675.55	42	54	44	37	31	38	38	34	25	0	
422	Residence	Non-Participating	553407.05	4749773.65	41	55	45	37	32	38	39	33	20	0	
430	Residence	Non-Participating	554878.22	4751320.86	41	54	46	39	34	39	38	33	18	0	
470	Residence	Non-Participating	552415.86	4751905.24	41	56	46	37	33	39	39	33	18	0	
65	Residence	Non-Participating	555326.36	4750299.14	41	55	45	37	32	38	38	34	19	0	
481	Residence	Non-Participating	550327.91	4751516.47	41	54	44	36	31	38	38	34	23	0	
462	Residence	Non-Participating	553602.95	4751849.63	41	55	49	42	37	40	38	30	10	0	
461	Residence	Non-Participating	553735.55	4751741.11	41	55	45	40	35	39	38	32	17	0	
143	Residence	Non-Participating	549935.88	4752984.91	41	55	45	36	31	38	38	33	21	0	
460	Residence	Non-Participating	553483.84	4751851.04	41	56	49	42	36	40	38	29	7	0	
482	Residence	Non-Participating	550699.44	4751654.52	41	54	44	36	31	38	38	34	22	0	
425	Residence	Non-Participating	555207.56	4750221.59	41	55	44	36	32	38	38	33	18	0	
471	Residence	Non-Participating	552384.43	4751953.62	41	56	46	37	32	38	38	32	16	0	
459	Residence	Non-Participating	553506.02	4751738.27	41	55	48	41	36	39	37	30	8	0	
140	Residence	Non-Participating	550126.31	4753026.88	41	55	45	36	31	38	38	33	20	0	
487	Residence	Non-Participating	550360.85	4752323.22	40	55	44	35	30	37	37	32	20	0	
424	Residence	Non-Participating	555173.49	4750134.49	40	54	44	36	31	37	37	32	16	0	
443	Residence	Non-Participating	551945.18	4749889.18	40	53	43	36	32	37	37	32	20	0	
132	Residence	Non-Participating	555052.74	4751624.77	40	54	46	39	34	38	37	30	10	0	
423	Residence	Non-Participating	553983.54	4749933.68	40	54	44	36	31	37	37	31	16	0	
131	Residence	Non-Participating	555071.83	4751700.54	40	54	46	39	34	38	36	29	8	0	
458	Residence	Non-Participating	553436.51	4751759.80	40	55	45	39	34	38	37	28	6	0	
479	Residence	Non-Participating	550696.17	4751558.34	39	51	41	35	31	36	36	32	20	0	
133	Residence	Non-Participating	555139.23	4751628.39	39	53	46	38	33	37	36	29	11	0	
128	Residence	Non-Participating	555111.42	4752030.41	39	54	47	39	34	38	36	28	9	0	
129	Residence	Non-Participating	555109.17	4751999.69	39	54	47	39	34	38	36	28	9	0	
127	Residence	Non-Participating	555150.42	4752043.77	39	54	46	39	34	38	36	28	8	0	
145	Residence	Non-Participating	549792.45	4752980.70	39	53	43	35	30	36	36	31	18	0	
68	Residence	Non-Participating	555137.11	4750029.20	39	53	43	35	30	36	36	30	13	0	
287	Residence	Non-Participating	550612.74	4753448.90	39	54	44	35	30	36	36	30	12	0	
137	Residence	Non-Participating	551242.05	4752107.85	39	54	44	35	30	36	36	29	13	0	
502	Residence	Non-Participating	548729.84	4754058.42	39	51	41	34	29	35	36	31	20	0	
125	Residence	Non-Participating	555278.06	4752246.63	38	53	46	39	33	37	35	28	9	0	
130	Residence	Non-Participating	555181.62	4751872.74	38	53	46	39	33	37	35	27	4	0	
484	Residence	Non-Participating	550340.44	4752119.24	38	54	43	34	29	36	36	29	13	0	
483	Residence	Non-Participating	550669.44	4752004.85	38	54	44	34	30	36	36	29	12	0	
124	Residence	Non-Participating	555303.73	4752278.93	38	53	46	39	33	37	35	27	9	0	
138	Residence	Non-Participating	551321.25	4752157.29	38	54	44	34	30	36	35	28	10	0	
49	Residence	Non-Participating	552215.88	4749784.96	38	53	42	35	30	36	35	29	11	0	
62	Residence	Non-Participating	555117.84	4749958.10	38	52	42	34	30	35	35	29	11	0	
399	Residence	Non-Participating	556001.32	4750730.56	38	52	43	35	30	35	35	30	16	0	
511	Residence	Non-Participating	554959.74	4749921.85	38	52	42	34	30	35	35	29	12	0	
472	Residence	Non-Participating	550864.41	4750895.54	37	54	44	34	30	35	35	27	6	0	
51	Residence	Non-Participating	552019.77	4749712.13	37	52	42	34	30	35	34	28	11	0	
444	Residence	Non-Participating	551920.47	4749921.68	37	51	41	35	31	36	34	28	15	0	
126	Residence	Non-Participating	555310.17	4752191.86	37	52	45	38	33	36	34	25	4	0	
144	Residence	Non-Participating	549937.57	4753015.22	37	52	42	34	30	35	34	28	13	0	
123	Residence	Non-Participating	555314.75	4752326.25	37	52	45	38	33	36	34	25	6	0	
141	Residence	Non-Participating	550260.97	4753028.28	37	53	43	34	30	35	34	27	11	0	
491	Residence	Non-Participating	549604.03	4752964.13	37	52	42	33	29	34	34	28	12	0	
52	Residence	Non-Participating	551922.97	4749679.16	37	51	41	34	30	35	34	27	10	0	
418	Residence	Non-Participating	553431.75	4749567.75	37	51	41	34	30	35	34	27	11	0	
439	Residence	Non-Participating	552139.68	4749540.13	37	52	42	34	30	35	34	27	5	0	
122	Residence	Non-Participating	555389.22	4752260.79	37	52	45	38	33	36	33	24	2	0	
512	Residence	Non-Participating	555076.34	4749863.02	36	51	41	33	29	34	34	27	7	0	
403	Residence	Non-Participating	552185.69	4752390.38	36	53	43	35	30	35	34	24	0	0	

Table 7-4.1b: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
161	Residence	Non-Participating	549887.58	4751157.10	36	50	40	32	27	33	33	28	13	0	
120	Residence	Non-Participating	555411.38	4752429.78	36	51	45	38	33	35	32	24	4	0	
171	Residence	Non-Participating	548083.96	4753456.92	36	49	39	31	26	33	33	29	16	0	
50	Residence	Non-Participating	552030.15	4749782.86	36	51	40	34	30	35	33	25	8	0	
121	Residence	Non-Participating	555444.52	4752334.26	36	51	45	38	32	35	32	23	1	0	
442	Residence	Non-Participating	551984.34	4749770.31	36	50	40	34	30	34	33	25	7	0	
490	Residence	Non-Participating	549715.75	4753011.53	36	51	40	33	29	34	33	27	11	0	
139	Residence	Non-Participating	551778.30	4752503.24	36	53	44	35	30	34	33	23	0	0	
485	Residence	Non-Participating	550406.61	4752193.43	36	52	41	33	29	34	33	25	7	0	
60	Residence	Non-Participating	555054.50	4749780.10	36	50	40	33	28	33	33	25	4	0	
406	Residence	Non-Participating	550429.90	4752241.65	36	52	41	33	29	34	33	25	8	0	
119	Residence	Non-Participating	555506.35	4752425.23	35	51	44	37	32	35	32	22	0	0	
498	Residence	Non-Participating	549058.44	4753446.84	35	48	38	32	28	33	32	26	10	0	
59	Residence	Non-Participating	555115.67	4749759.00	35	50	40	32	28	33	32	25	3	0	
285	Residence	Non-Participating	551076.05	4754225.02	35	51	41	32	27	33	32	25	1	0	
199	Residence	Non-Participating	555988.86	4750901.93	35	48	41	34	29	33	31	25	8	0	
200	Residence	Non-Participating	555951.70	4751023.36	35	48	41	34	30	33	31	25	7	0	
497	Residence	Non-Participating	548989.32	4753277.25	34	48	38	31	27	32	31	25	9	0	
56	Residence	Non-Participating	554794.56	4749621.54	34	50	40	32	28	33	31	23	0	0	
284	Residence	Non-Participating	551130.26	4754363.27	34	51	40	31	27	32	32	24	0	0	
10	Residence	Non-Participating	553620.51	4749511.82	34	50	39	33	29	33	31	22	0	0	
48	Residence	Non-Participating	552422.18	4749780.50	34	47	36	33	30	33	30	24	7	0	
421	Residence	Non-Participating	553643.57	4749489.52	34	50	39	33	29	33	31	22	0	0	
16	Residence	Non-Participating	553442.39	4749486.27	34	48	38	33	29	33	30	23	5	0	
58	Residence	Non-Participating	555200.32	4749639.45	34	49	41	33	28	32	31	22	0	0	
420	Residence	Non-Participating	553634.19	4749471.79	34	50	39	32	29	33	31	22	0	0	
47	Residence	Non-Participating	552629.05	4749782.74	34	49	38	34	30	33	30	22	5	0	
419	Residence	Non-Participating	553626.20	4749451.77	34	49	39	32	28	33	30	22	0	0	
438	Residence	Non-Participating	552630.81	4749781.96	34	49	38	34	30	33	30	22	5	0	
194	Residence	Non-Participating	555802.43	4749877.62	34	50	39	31	27	32	31	23	0	0	
441	Residence	Non-Participating	551641.64	4749636.40	34	49	38	32	29	33	30	22	6	0	
12	Residence	Non-Participating	553577.66	4749441.54	34	49	39	32	28	33	30	22	0	0	
14	Residence	Non-Participating	553571.47	4749430.18	34	49	39	32	28	32	30	22	0	0	
18	Residence	Non-Participating	553475.99	4749272.63	34	49	39	32	28	32	30	22	0	0	
283	Residence	Non-Participating	551159.96	4754397.83	34	50	39	31	26	32	31	23	0	0	
414	Residence	Non-Participating	553423.99	4749256.20	34	49	39	32	28	32	30	22	1	0	
416	Residence	Non-Participating	553410.82	4749414.98	34	47	37	32	29	32	30	23	5	0	
15	Residence	Non-Participating	553564.27	4749411.72	33	49	38	32	28	32	30	21	0	0	
54	Residence	Non-Participating	551570.52	4749612.37	33	48	38	32	28	32	30	22	7	0	
415	Residence	Non-Participating	553448.37	4749428.97	33	47	37	32	29	32	30	22	4	0	
11	Residence	Non-Participating	553607.06	4749417.70	33	49	39	32	28	32	30	21	0	0	
36	Residence	Non-Participating	553848.75	4749390.38	33	50	40	32	28	32	30	21	0	0	
202	Residence	Non-Participating	556123.54	4751443.61	33	49	41	34	29	32	30	21	0	0	
510	Residence	Non-Participating	553979.22	4749434.62	33	50	40	32	28	32	30	21	0	0	
13	Residence	Non-Participating	553598.26	4749409.09	33	49	39	32	28	32	30	21	0	0	
37	Residence	Non-Participating	553931.34	4749411.71	33	50	40	32	28	32	30	20	0	0	
203	Residence	Non-Participating	556113.31	4751586.41	33	50	40	32	27	32	30	21	0	0	
417	Residence	Non-Participating	553406.67	4749443.81	33	46	36	32	29	32	30	22	5	0	
204	Residence	Non-Participating	556134.21	4751708.14	33	49	42	34	29	32	30	20	0	0	
190	Residence	Non-Participating	555384.61	4749593.85	33	49	39	31	27	31	30	21	0	0	
473	Residence	Non-Participating	550437.71	4750644.56	33	50	41	32	28	32	30	20	0	0	
39	Residence	Non-Participating	553977.57	4749391.48	33	50	39	32	28	32	30	20	0	0	
105	Residence	Non-Participating	555670.69	4753147.71	33	46	42	35	30	32	29	20	0	0	
42	Residence	Non-Participating	554111.63	4749466.61	33	49	39	32	28	32	29	20	0	0	
166	Residence	Non-Participating	550334.30	4750631.75	33	48	38	31	27	32	29	22	5	0	
29	Residence	Non-Participating	553708.92	4749353.07	33	49	39	32	28	32	29	20	0	0	
34	Residence	Non-Participating	553815.53	4749386.41	33	49	39	32	28	32	29	20	0	0	
38	Residence	Non-Participating	553960.01	4749383.92	33	49	39	32	27	32	29	20	0	0	
475	Residence	Non-Participating	550486.99	4750502.42	33	50	41	32	27	32	30	19	0	0	
24	Residence	Non-Participating	553574.39	4749309.19	33	48	38	32	28	32	29	20	0	0	
201	Residence	Non-Participating	556299.02	4751489.59	33	49	41	33	28	31	29	19	0	0	
44	Residence	Non-Participating	554179.52	4749443.30	32	49	39	32	28	32	29	19	0	0	
28	Residence	Non-Participating	553710.71	4749317.74	32	49	38	32	27	32	29	19	0	0	
23	Residence	Non-Participating	553561.73	4749272.69	32	48	38	32	27	31	29	19	0	0	
27	Residence	Non-Participating	553684.46	4749312.08	32	48	38	32	27	31	29	19	0	0	
32	Residence	Non-Participating	553786.39	4749339.35	32	49	38	32	27	31	29	19	0	0	
33	Residence	Non-Participating	553810.04	4749348.12	32	49	39	32	27	31	29	19	0	0	
40	Residence	Non-Participating	554030.09	4749404.59	32	49	39	32	27	32	29	19	0	0	
41	Residence	Non-Participating	554080.42	4749417.44	32	49	39	32	27	31	29	19	0	0	
46	Residence	Non-Participating	554332.74	4749485.43	32	49	39	32	28	31	29	19	0	0	
55	Residence	Non-Participating	551325.67	4749478.65	32	48	37	31	27	31	29	21	2	0	
205	Residence	Non-Participating	556213.27	4751774.05	32	49	41	34	28	31	29	18	0	0	
379	Residence	Non-Participating	548981.38	4754313.49	32	45	34	31	27	31	29	22	7	0	
30	Residence	Non-Participating	553730.45	4749320.50	32	49	38	32	27	31	29	19	0	0	
25	Residence	Non-Participating	553620.54	4749291.76	32	48	38	31	27	31	29	19	0	0	
35	Residence	Non-Participating	553842.45	4749353.44	32	49	39	32	27	31	29	19	0	0	
57	Residence	Non-Participating	554895.30	4749569.97	32	48	38	31	27	31	29	20	0	0	
117	Residence	Non-Participating	555773.78	4753104.10	32	46	42	35	29	31	28	19	0	0	
191	Residence	Non-Participating	555603.50	4749543.60	32	49	40	32	26	31	29	19	0	0	
195	Residence	Non-Participating	556384.29	4750316.09	32	48	40	32	26	31	29	20	0	0	
509	Residence	Non-Participating	553925.35	4749375.44	32	49	38	32	27	31	29	19	0	0	
474	Residence	Non-Participating	550416.04	4750554.30	32	50	40	31	26	31	29	18	0	0	
116	Residence	Non-Participating	555779.75	4753123.68	32	46	41	35	29	31	28	19	0	0	
118	Residence	Non-Participating	555768.28	4753061.32	32	45	41	35	29	31	28	19	0	0	
114	Residence	Non-Participating	555789.17	4753164.20	32	46	41	35	29	31	28	18	0	0	
115	Residence	Non-Participating	555778.80	4753155.10	32	46	41	35	29	31	28	19	0	0	
108	Residence	Non-Participating	555791.22	4753184.54	32	46	41	35	29	31	28	18	0	0	
43	Residence	Non-Participating	554143.66	4749432.07	32	47	37	31	27	31	28	19	0	0	
109	Residence	Non-Participating	555811.87	4753134.94	32	46	41	35	29	31	27	18	0	0	

Table 7-4.1b: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
398	Residence	Non-Participating	553288.85	4748783.36	32	48	38	30	26	30	29	19	0	0
66	Residence	Non-Participating	553499.88	4749228.65	31	47	36	31	27	31	28	19	0	0
107	Residence	Non-Participating	555822.18	4753188.69	31	46	41	35	29	31	27	18	0	0
110	Residence	Non-Participating	555817.29	4753094.52	31	45	41	35	29	31	27	18	0	0
393	Residence	Non-Participating	551158.81	4749264.64	31	48	37	30	25	30	28	20	0	0
168	Residence	Non-Participating	552058.11	4752751.95	31	49	39	33	28	31	28	14	0	0
206	Residence	Non-Participating	556224.65	4751815.69	31	49	38	32	26	30	28	17	0	0
104	Residence	Non-Participating	555583.14	4753304.80	31	46	37	33	28	30	28	20	0	0
412	Residence	Non-Participating	553104.89	4749100.81	31	46	36	31	27	30	28	19	0	0
106	Residence	Non-Participating	555847.25	4753231.57	31	46	41	34	29	31	27	17	0	0
111	Residence	Non-Participating	555867.13	4753181.53	31	46	41	34	29	31	27	17	0	0
196	Residence	Non-Participating	556587.52	4750631.17	31	48	39	31	26	30	28	18	0	0
112	Residence	Non-Participating	555889.77	4753223.55	31	45	41	34	29	30	27	16	0	0
276	Residence	Non-Participating	551187.73	4754744.47	31	47	37	29	25	29	28	19	0	0
440	Residence	Non-Participating	551342.64	4749649.80	31	47	36	31	27	30	27	18	1	0
113	Residence	Non-Participating	555913.56	4753195.21	31	45	41	34	28	30	26	16	0	0
193	Residence	Non-Participating	556198.42	4749781.63	31	48	39	31	25	29	28	18	0	0
275	Residence	Non-Participating	551203.01	4754740.23	31	47	37	29	25	29	28	19	0	0
169	Residence	Non-Participating	552002.82	4752719.44	31	49	39	33	28	30	27	13	0	0
409	Residence	Non-Participating	552894.34	4749050.10	31	45	35	30	26	30	27	18	0	0
413	Residence	Non-Participating	553366.60	4749180.10	31	45	35	31	27	30	27	18	0	0
170	Residence	Non-Participating	551987.43	4752753.85	31	48	38	33	28	30	26	13	0	0
134	Residence	Non-Participating	551914.00	4752906.30	30	49	39	32	27	30	27	13	0	0
103	Residence	Non-Participating	555414.87	4753215.13	30	44	36	34	28	30	26	18	0	0
380	Residence	Non-Participating	549233.49	4754417.60	30	45	35	31	27	30	26	20	4	0
165	Residence	Non-Participating	550125.18	4750414.06	30	48	37	30	25	30	27	17	0	0
410	Residence	Non-Participating	552986.65	4749028.41	30	45	35	30	26	30	27	17	0	0
411	Residence	Non-Participating	553028.58	4749044.41	30	45	35	30	26	30	26	17	0	0
19	Residence	Non-Participating	553488.36	4749190.76	30	45	34	31	26	29	26	17	0	0
96	Residence	Non-Participating	552037.80	4752985.58	30	48	38	32	27	30	25	11	0	0
95	Residence	Non-Participating	551958.41	4753020.24	30	48	38	32	27	29	25	11	0	0
192	Residence	Non-Participating	556044.38	4749445.55	30	47	39	30	25	29	26	15	0	0
21	Residence	Non-Participating	553377.20	4749005.70	29	44	34	30	26	29	26	16	0	0
188	Amish Community	Non-Participating	552549.47	4748962.91	29	44	34	30	26	29	26	16	0	0
381	Residence	Non-Participating	548351.04	4754688.66	29	45	35	27	23	28	27	18	0	0
213	Residence	Non-Participating	554241.34	4753798.98	29	45	37	35	30	30	23	9	0	0
385	Residence	Non-Participating	547889.56	4754422.75	29	46	35	27	22	28	27	18	0	0
197	Residence	Non-Participating	556568.00	4750776.16	29	45	38	31	26	29	25	15	0	0
371	Residence	Non-Participating	549908.67	4755667.97	29	47	36	27	23	28	26	16	0	0
20	Residence	Non-Participating	553397.22	4749063.25	29	43	33	30	26	29	25	15	0	0
241	Residence	Non-Participating	551367.92	4754811.20	29	46	36	29	24	28	26	16	0	0
186	Residence	Non-Participating	552195.89	4748808.52	29	45	35	29	25	28	26	15	0	0
242	Residence	Non-Participating	551376.12	4754827.93	29	46	36	29	24	28	26	16	0	0
272	Residence	Non-Participating	551217.99	4754730.80	29	45	35	29	24	28	26	16	0	0
94	Residence	Non-Participating	551926.20	4753102.00	29	47	37	32	27	29	24	9	0	0
198	Residence	Non-Participating	556617.91	4750861.79	29	45	38	31	26	28	25	14	0	0
244	Residence	Non-Participating	551351.20	4754765.75	29	45	35	29	24	28	26	16	0	0
377	Residence	Non-Participating	549490.82	4755370.60	29	44	34	28	23	28	26	16	0	0
146	Residence	Non-Participating	548925.79	4752928.90	29	42	32	29	25	28	25	16	0	0
185	Residence	Non-Participating	551698.28	4748882.11	29	46	35	29	24	28	25	13	0	0
245	Residence	Non-Participating	551389.48	4754763.51	29	45	35	29	24	28	25	15	0	0
372	Residence	Non-Participating	549865.81	4755607.45	29	45	35	27	23	27	26	15	0	0
388	Residence	Non-Participating	547726.87	4754321.39	29	45	35	26	22	27	26	17	0	0
397	Residence	Non-Participating	553293.94	4748530.05	29	46	36	29	24	28	25	14	0	0
489	Residence	Non-Participating	548923.84	4752923.85	29	42	32	29	25	28	25	16	0	0
376	Residence	Non-Participating	549526.20	4755402.39	29	44	34	27	23	27	25	16	0	0
251	Residence	Non-Participating	551447.80	4754719.49	28	45	35	29	24	27	25	15	0	0
270	Residence	Non-Participating	551210.52	4754698.88	28	44	34	29	24	28	25	15	0	0
271	Residence	Non-Participating	551201.53	4754704.65	28	44	34	29	24	28	25	16	0	0
370	Residence	Non-Participating	549894.89	4755626.38	28	45	35	27	23	27	26	15	0	0
391	Residence	Non-Participating	549249.43	4751270.26	28	45	35	28	23	27	25	16	0	0
269	Residence	Non-Participating	551217.45	4754690.70	28	44	34	29	24	28	25	15	0	0
386	Residence	Non-Participating	547594.46	4754197.17	28	45	35	26	21	27	26	16	0	0
387	Residence	Non-Participating	547653.89	4754252.46	28	45	35	26	22	27	26	16	0	0
396	Residence	Non-Participating	553375.92	4748408.61	28	46	36	28	24	28	25	13	0	0
163	Residence	Non-Participating	550017.12	4750343.09	28	44	34	29	24	28	25	14	0	0
148	Residence	Non-Participating	548785.85	4752908.45	28	42	31	28	24	28	24	16	0	0
266	Residence	Non-Participating	551263.00	4754674.86	28	43	33	29	24	27	25	15	0	0
267	Residence	Non-Participating	551249.46	4754684.68	28	43	33	29	24	27	25	15	0	0
210	Residence	Non-Participating	555002.82	4753597.61	28	40	34	34	29	28	21	9	0	0
265	Residence	Non-Participating	551273.90	4754673.40	28	43	33	29	24	27	25	15	0	0
364	Residence	Non-Participating	550566.67	4754968.96	28	42	32	29	25	28	24	15	0	0
365	Residence	Non-Participating	550588.92	4754977.80	28	42	32	29	25	28	24	15	0	0
378	Residence	Non-Participating	549348.85	4755236.33	28	43	33	28	24	27	25	15	0	0
517	Residence	Non-Participating	549314.70	4755280.09	28	43	33	27	23	27	25	15	0	0
208	Residence	Non-Participating	555084.02	4753547.90	28	40	34	34	28	28	21	8	0	0
264	Residence	Non-Participating	551288.82	4754671.60	28	43	33	29	24	27	24	15	0	0
343	Residence	Non-Participating	550537.49	4754880.60	28	42	32	29	25	27	24	15	0	0
359	Residence	Non-Participating	550569.94	4754927.90	28	42	32	29	25	28	24	15	0	0
360	Residence	Non-Participating	550593.65	4754938.80	28	42	32	29	25	28	24	14	0	0
344	Residence	Non-Participating	550563.03	4754888.12	28	42	32	29	25	27	24	15	0	0
504	Residence	Non-Participating	550230.99	4755026.90	28	42	32	28	24	27	24	16	0	0
506	Residence	Non-Participating	554124.52	4753973.59	28	42	35	34	28	28	21	6	0	0
516	Residence	Non-Participating	549152.91	4751526.35	28	44	34	28	23	27	24	14	0	0
207	Residence	Non-Participating	555126.11	4753527.91	28	40	34	34	28	28	21	8	0	0
373	Residence	Non-Participating	549852.45	4755533.47	28	44	33	27	23	27	24	14	0	0
514	Residence	Non-Participating	549153.02	4751377.72	28	44	34	27	23	27	24	14	0	0
361	Residence	Non-Participating	550614.53	4754943.30	28	42	32	29	24	27	23	14	0	0
367	Residence	Non-Participating	550163.82	4755713.22	28	45	34	27	22	27	24	13	0	0

Table 7-4.1b: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
395	Residence	Non-Participating	553233.41	4748367.33	28	46	35	28	23	27	24	11	0	0
518	Residence	Non-Participating	549706.22	4755534.47	28	44	33	27	23	27	24	14	0	0
164	Residence	Non-Participating	550048.38	4750362.15	28	42	32	28	24	27	23	14	0	0
178	Residence	Non-Participating	549374.39	4750383.39	27	45	35	27	22	26	24	13	0	0
347	Residence	Non-Participating	550581.06	4754892.30	27	42	32	29	24	27	23	14	0	0
374	Residence	Non-Participating	549774.54	4755556.47	27	44	33	27	23	27	24	14	0	0
519	Residence	Non-Participating	549942.05	4755557.33	27	43	33	27	23	27	24	14	0	0
219	Residence	Non-Participating	553788.75	4754034.02	27	43	35	34	28	28	20	5	0	0
273	Residence	Non-Participating	551157.49	4754658.09	27	41	31	29	24	27	23	14	0	0
362	Residence	Non-Participating	550635.87	4754950.52	27	42	32	29	24	27	23	14	0	0
147	Residence	Non-Participating	548899.59	4752791.17	27	41	31	28	24	27	23	14	0	0
488	Residence	Non-Participating	548909.80	4752806.39	27	41	31	28	24	27	23	14	0	0
246	Residence	Non-Participating	551347.38	4754747.47	27	43	33	29	24	27	24	13	0	0
332	Residence	Non-Participating	550859.79	4754914.95	27	41	31	29	24	27	23	13	0	0
341	Residence	Non-Participating	550536.56	4754834.20	27	43	32	29	24	27	23	14	0	0
349	Residence	Non-Participating	550606.38	4754901.75	27	42	32	29	24	27	23	14	0	0
312	Residence	Non-Participating	550738.53	4755060.68	27	41	31	28	24	27	23	13	0	0
313	Residence	Non-Participating	550733.66	4755026.08	27	41	31	28	24	27	23	13	0	0
314	Residence	Non-Participating	550761.51	4755020.67	27	41	31	28	24	27	23	13	0	0
326	Residence	Non-Participating	550932.16	4754901.06	27	41	31	29	24	27	23	14	0	0
334	Residence	Non-Participating	550836.80	4754918.41	27	41	31	29	24	27	23	13	0	0
340	Residence	Non-Participating	550759.41	4754973.37	27	41	31	29	24	27	23	13	0	0
351	Residence	Non-Participating	550629.92	4754910.37	27	42	32	29	24	27	23	14	0	0
363	Residence	Non-Participating	550661.03	4754960.54	27	42	32	29	24	27	23	13	0	0
389	Residence	Non-Participating	549033.25	4751956.98	27	45	34	28	23	27	24	12	0	0
311	Residence	Non-Participating	550765.69	4755055.14	27	41	31	28	24	27	23	13	0	0
315	Residence	Non-Participating	550784.14	4755016.18	27	41	31	28	24	27	23	13	0	0
316	Residence	Non-Participating	550805.10	4755013.79	27	41	31	28	24	27	23	13	0	0
328	Residence	Non-Participating	550907.30	4754906.21	27	41	31	29	24	27	23	13	0	0
330	Residence	Non-Participating	550882.99	4754908.86	27	41	31	29	24	27	23	13	0	0
331	Residence	Non-Participating	550877.88	4754951.63	27	41	31	28	24	27	23	13	0	0
333	Residence	Non-Participating	550853.17	4754953.37	27	41	31	28	24	27	23	13	0	0
335	Residence	Non-Participating	550835.17	4754956.90	27	41	31	28	24	27	23	13	0	0
336	Residence	Non-Participating	550811.53	4754921.81	27	41	31	29	24	27	23	13	0	0
339	Residence	Non-Participating	550782.70	4754966.07	27	41	31	29	24	27	23	13	0	0
342	Residence	Non-Participating	550559.36	4754845.37	27	42	32	29	24	27	23	14	0	0
98	Residence	Non-Participating	551570.84	4753904.92	27	44	34	30	25	27	22	10	0	0
99	Residence	Non-Participating	551588.21	4753855.54	27	44	35	30	25	27	22	9	0	0
149	Residence	Non-Participating	548807.21	4752763.77	27	41	31	28	24	27	23	13	0	0
277	Residence	Non-Participating	551173.11	4754718.66	27	41	31	29	24	27	23	13	0	0
309	Residence	Non-Participating	550813.43	4755049.25	27	41	31	28	24	27	23	13	0	0
310	Residence	Non-Participating	550787.29	4755051.69	27	41	31	28	24	27	23	13	0	0
317	Residence	Non-Participating	550830.46	4755008.57	27	41	31	28	24	27	23	13	0	0
318	Residence	Non-Participating	550854.11	4755004.76	27	41	31	28	24	27	23	13	0	0
324	Residence	Non-Participating	550953.63	4754942.08	27	41	31	28	24	27	23	13	0	0
327	Residence	Non-Participating	550924.86	4754940.74	27	41	31	28	24	27	23	13	0	0
329	Residence	Non-Participating	550902.26	4754944.25	27	41	31	28	24	27	23	13	0	0
337	Residence	Non-Participating	550811.03	4754959.46	27	41	31	28	24	27	23	13	0	0
352	Residence	Non-Participating	550651.92	4754918.85	27	42	32	29	24	27	23	13	0	0
356	Residence	Non-Participating	550674.19	4754922.88	27	42	32	29	24	27	23	13	0	0
358	Residence	Non-Participating	550721.27	4754938.63	27	42	32	29	24	27	23	13	0	0
174	Residence	Non-Participating	548891.36	4752672.09	27	41	31	28	24	27	23	13	0	0
70	Residence	Non-Participating	550683.80	4755149.29	27	41	31	28	24	26	23	13	0	0
175	Residence	Non-Participating	548949.46	4752587.07	27	41	31	28	24	27	23	13	0	0
268	Residence	Non-Participating	551221.67	4754666.81	27	41	31	29	24	27	23	13	0	0
274	Residence	Non-Participating	551191.22	4754708.81	27	41	31	29	24	27	23	13	0	0
288	Residence	Non-Participating	551265.67	4754590.90	27	41	31	29	24	27	23	13	0	0
307	Residence	Non-Participating	550864.74	4755035.76	27	41	31	28	24	26	23	13	0	0
308	Residence	Non-Participating	550832.57	4755040.95	27	41	31	28	24	27	23	13	0	0
319	Residence	Non-Participating	550875.87	4755000.63	27	41	31	28	24	27	23	13	0	0
320	Residence	Non-Participating	550898.55	4754995.13	27	41	31	28	24	26	23	13	0	0
338	Residence	Non-Participating	550788.34	4754927.78	27	41	31	29	24	27	23	13	0	0
345	Residence	Non-Participating	550581.18	4754849.29	27	42	32	28	24	26	23	14	0	0
357	Residence	Non-Participating	550696.75	4754931.72	27	42	32	29	24	27	23	13	0	0
100	Residence	Non-Participating	551449.45	4754199.65	27	41	31	29	25	27	22	11	0	0
321	Residence	Non-Participating	550924.17	4754990.22	27	41	31	28	24	26	23	13	0	0
322	Residence	Non-Participating	550947.14	4754982.12	27	41	31	28	24	26	23	13	0	0
346	Residence	Non-Participating	550606.18	4754858.64	27	42	32	28	24	26	23	13	0	0
394	Residence	Non-Participating	553410.52	4748301.00	27	45	35	28	23	26	23	10	0	0
390	Residence	Non-Participating	549022.33	4751492.26	27	44	33	27	22	26	23	12	0	0
306	Residence	Non-Participating	550902.21	4755030.21	27	41	31	28	24	26	23	12	0	0
323	Residence	Non-Participating	551003.16	4754892.98	27	41	31	28	24	26	22	12	0	0
325	Residence	Non-Participating	550951.68	4754893.97	27	41	31	28	24	26	23	12	0	0
71	Residence	Non-Participating	550727.44	4755152.85	27	41	31	28	23	26	23	12	0	0
150	Residence	Non-Participating	548742.97	4752817.99	27	41	31	28	23	26	22	13	0	0
258	Residence	Non-Participating	551287.33	4754643.29	27	41	31	29	24	26	22	12	0	0
278	Residence	Non-Participating	551208.06	4754769.99	27	41	31	29	24	26	22	12	0	0
305	Residence	Non-Participating	550926.18	4755025.15	27	41	31	28	24	26	23	12	0	0
348	Residence	Non-Participating	550627.87	4754866.16	27	42	32	28	24	26	22	13	0	0
354	Residence	Non-Participating	550697.98	4754891.67	27	42	32	29	24	26	22	13	0	0
355	Residence	Non-Participating	550718.13	4754897.82	27	42	32	29	24	26	22	12	0	0
72	Residence	Non-Participating	550756.74	4755150.88	26	40	31	28	23	26	22	12	0	0
236	Residence	Non-Participating	551792.76	4754572.76	26	44	34	29	24	26	22	10	0	0
282	Residence	Non-Participating	551196.03	4754804.57	26	40	31	28	24	26	22	12	0	0
350	Residence	Non-Participating	550646.19	4754871.73	26	42	32	28	24	26	22	13	0	0
353	Residence	Non-Participating	550676.03	4754882.55	26	42	32	28	24	26	22	13	0	0
255	Residence	Non-Participating	551273.29	4754710.31	26	40	31	29	24	26	22	12	0	0
257	Residence	Non-Participating	551247.83	4754748.35	26	40	31	29	24	26	22	12	0	0
281	Residence	Non-Participating	551208.89	4754805.01	26	40	31	28	24	26	22	12	0	0

Table 7-4.1b: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
184	Residence	Non-Participating	551465.05	4748613.11	26	44	34	28	23	26	22	9	0	0
235	Residence	Non-Participating	551830.65	4754673.54	26	44	34	29	23	26	22	9	0	0
256	Residence	Non-Participating	551268.34	4754731.97	26	40	31	29	24	26	22	11	0	0
160	Residence	Non-Participating	548931.22	4751579.56	26	43	33	27	22	26	23	11	0	0
280	Residence	Non-Participating	551219.56	4754805.10	26	40	31	28	24	26	22	12	0	0
408	Residence	Non-Participating	551509.51	4748562.13	26	44	34	27	23	26	22	8	0	0
515	Residence	Non-Participating	548917.85	4751629.91	26	43	33	27	22	26	23	10	0	0
249	Residence	Non-Participating	551314.25	4754709.08	26	40	31	29	24	26	22	11	0	0
279	Residence	Non-Participating	551233.34	4754806.62	26	40	31	28	24	26	22	11	0	0
407	Residence	Non-Participating	551434.85	4748588.34	26	44	34	27	23	26	22	8	0	0
248	Residence	Non-Participating	551306.48	4754738.43	26	40	31	28	24	26	22	11	0	0
250	Residence	Non-Participating	551359.82	4754678.66	26	40	31	29	24	26	22	11	0	0
254	Residence	Non-Participating	551298.02	4754777.57	26	40	31	28	24	26	22	11	0	0
152	Residence	Non-Participating	548540.09	4752729.82	26	40	30	27	23	26	22	12	0	0
247	Residence	Non-Participating	551360.09	4754701.39	26	40	31	29	24	26	21	10	0	0
292	Residence	Non-Participating	551081.34	4754943.71	26	40	31	28	23	25	21	11	0	0
220	Residence	Non-Participating	553118.80	4754272.46	26	44	34	32	26	26	19	0	0	0
252	Residence	Non-Participating	551284.91	4754847.61	26	40	31	28	23	25	21	10	0	0
253	Residence	Non-Participating	551283.06	4754818.35	26	40	31	28	23	25	21	10	0	0
261	Residence	Non-Participating	551213.74	4754907.71	26	40	30	28	23	25	21	10	0	0
262	Residence	Non-Participating	551211.61	4754929.37	26	40	30	28	23	25	21	10	0	0
215	Residence	Non-Participating	553723.92	4754259.61	26	39	32	32	27	26	18	1	0	0
233	Residence	Non-Participating	552345.21	4754413.19	26	45	35	30	24	26	20	3	0	0
260	Residence	Non-Participating	551219.49	4754888.07	26	40	30	28	23	25	21	10	0	0
263	Residence	Non-Participating	551204.30	4754955.64	26	40	30	28	23	25	21	10	0	0
259	Residence	Non-Participating	551224.03	4754867.18	25	40	30	28	23	25	21	10	0	0
158	Residence	Non-Participating	548779.30	4751673.55	25	43	33	27	22	25	22	9	0	0
159	Residence	Non-Participating	548794.10	4751593.02	25	43	32	26	22	25	22	9	0	0
180	Residence	Non-Participating	549553.23	4750231.76	25	43	32	27	22	25	21	8	0	0
232	Residence	Non-Participating	552239.88	4754506.04	25	45	35	30	24	25	20	4	0	0
179	Residence	Non-Participating	549497.53	4750426.70	25	42	32	27	22	25	21	9	0	0
157	Residence	Non-Participating	548766.50	4751614.71	25	43	32	26	22	25	22	9	0	0
216	Residence	Non-Participating	553575.25	4754289.95	25	39	32	32	26	26	18	1	0	0
243	Residence	Non-Participating	551350.26	4754867.76	25	40	30	28	23	25	21	9	0	0
383	Residence	Non-Participating	548435.67	4753966.26	25	42	31	27	23	25	21	12	0	0
154	Residence	Non-Participating	548372.15	4752625.68	25	40	30	26	22	25	21	10	0	0
240	Residence	Non-Participating	551391.00	4754852.89	25	40	30	28	23	25	20	9	0	0
384	Residence	Non-Participating	548388.96	4753886.51	25	42	31	27	22	25	21	12	0	0
401	Residence	Non-Participating	552349.44	4754129.23	25	42	33	30	25	25	19	0	0	0
222	Residence	Non-Participating	553202.75	4754319.09	25	39	32	31	26	25	17	0	0	0
237	Residence	Non-Participating	551819.02	4754476.31	25	41	31	29	24	25	19	5	0	0
221	Residence	Non-Participating	553211.92	4754368.10	24	38	31	31	25	25	17	0	0	0
238	Residence	Non-Participating	551865.61	4754444.05	24	41	31	29	24	25	19	5	0	0
239	Residence	Non-Participating	551438.07	4754841.79	24	40	30	28	23	24	20	8	0	0
293	Residence	Non-Participating	551119.58	4755064.45	24	40	30	28	23	24	20	8	0	0
300	Residence	Non-Participating	551106.58	4755151.63	24	40	30	28	23	24	20	8	0	0
382	Residence	Non-Participating	548524.96	4754025.22	24	43	32	27	22	24	20	11	0	0
155	Residence	Non-Participating	548235.16	4752606.02	24	39	29	26	22	24	20	9	0	0
87	Residence	Non-Participating	551079.93	4755089.22	24	40	30	28	23	24	19	7	0	0
181	Residence	Non-Participating	549590.49	4750003.25	24	41	31	27	22	24	20	6	0	0
73	Residence	Non-Participating	550789.23	4755146.19	24	40	30	27	22	24	20	8	0	0
217	Residence	Non-Participating	553744.52	4754503.18	24	38	31	31	25	24	16	0	0	0
291	Residence	Non-Participating	551094.82	4754984.85	24	40	30	28	23	24	19	7	0	0
176	Residence	Non-Participating	549473.90	4750142.19	24	41	31	26	22	24	20	6	0	0
153	Residence	Non-Participating	548305.59	4752486.76	24	39	29	26	21	24	20	8	0	0
86	Residence	Non-Participating	551046.03	4755096.23	24	40	30	28	22	24	19	6	0	0
74	Residence	Non-Participating	550813.39	4755146.77	24	40	30	27	22	24	19	6	0	0
83	Residence	Non-Participating	550982.67	4755104.94	24	40	30	27	22	24	19	6	0	0
177	Residence	Non-Participating	549364.11	4750218.78	24	41	31	26	21	24	19	5	0	0
82	Residence	Non-Participating	550961.02	4755113.39	24	40	30	27	22	24	19	6	0	0
85	Residence	Non-Participating	551022.13	4755099.20	24	40	30	27	22	24	19	6	0	0
75	Residence	Non-Participating	550845.50	4755140.98	24	40	30	27	22	24	19	7	0	0
76	Residence	Non-Participating	550826.31	4755140.59	24	40	30	27	22	24	19	7	0	0
84	Residence	Non-Participating	551002.52	4755101.68	24	40	30	27	22	24	19	6	0	0
81	Residence	Non-Participating	550945.56	4755117.32	24	40	30	27	22	24	19	6	0	0
294	Residence	Non-Participating	551106.74	4755029.86	24	40	30	27	22	24	19	6	0	0
301	Residence	Non-Participating	551075.32	4755019.57	23	40	30	27	22	23	18	6	0	0
295	Residence	Non-Participating	551102.53	4755012.82	23	40	30	27	22	23	18	6	0	0
77	Residence	Non-Participating	550867.79	4755131.24	23	40	30	27	22	23	18	6	0	0
78	Residence	Non-Participating	550887.58	4755130.01	23	40	30	27	22	23	18	6	0	0
297	Residence	Non-Participating	551096.47	4755269.48	23	39	29	27	22	23	18	6	0	0
303	Residence	Non-Participating	551089.41	4755015.56	23	40	30	27	22	23	18	6	0	0
79	Residence	Non-Participating	550905.82	4755124.33	23	40	30	27	22	23	18	6	0	0
80	Residence	Non-Participating	550930.35	4755119.74	23	40	30	27	22	23	18	5	0	0
234	Residence	Non-Participating	552110.64	4754593.78	23	39	30	29	23	23	17	1	0	0
302	Residence	Non-Participating	551050.07	4755000.14	23	40	30	27	22	23	18	5	0	0
156	Residence	Non-Participating	548616.62	4751780.44	23	39	29	26	21	23	18	4	0	0
508	Residence	Non-Participating	553428.98	4754722.48	23	38	30	30	24	23	15	0	0	0
231	Residence	Non-Participating	552394.76	4754564.47	23	39	30	29	23	23	16	0	0	0
289	Residence	Non-Participating	551143.38	4755018.89	23	40	30	27	21	23	18	5	0	0
507	Residence	Non-Participating	553340.55	4754775.59	23	38	30	30	24	23	15	0	0	0
229	Residence	Non-Participating	552622.43	4754532.87	23	38	30	29	23	23	15	0	0	0
230	Residence	Non-Participating	552500.75	4754573.42	22	38	30	29	23	23	15	0	0	0
223	Residence	Non-Participating	553023.01	4754463.57	22	38	31	30	23	23	15	0	0	0
173	Residence	Non-Participating	547630.79	4753038.28	22	38	28	24	20	22	18	8	0	0
214	Residence	Non-Participating	553878.98	4754211.48	22	38	31	30	23	22	14	0	0	0
224	Residence	Non-Participating	552955.72	4754456.21	22	38	31	29	23	22	15	0	0	0
226	Residence	Non-Participating	552892.44	4754478.80	22	38	30	29	23	22	15	0	0	0
298	Residence	Non-Participating	551074.12	4755266.33	22	39	29	27	21	22	17	3	0	0

Table 7-4.1b: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
225	Residence	Non-Participating	552827.55	4754411.53	22	38	30	29	22	22	14	0	0	0
299	Residence	Non-Participating	551054.17	4755262.67	21	39	29	26	21	22	16	2	0	0
304	Residence	Non-Participating	551016.47	4755000.54	21	40	30	27	21	21	15	1	0	0
172	Residence	Non-Participating	547820.51	4753402.32	21	39	28	25	19	21	16	5	0	0
290	Residence	Non-Participating	551132.67	4754986.85	21	39	29	26	20	21	14	0	0	0
Summary of Maximum and Minimum Sound Levels														
465	Residence	Non-Participating	554013.92	4752018.30	47	58	52	47	41	45	44	40	32	8
290	Residence	Non-Participating	551132.67	4754986.85	21	39	29	26	20	21	14	0	0	0

Table 7-4.1c: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
402	Residence	Participating	551816.43	4750688.41	47	60	49	42	36	43	44	40	30	0	
404	Residence	Participating	552272.81	4750939.93	41	54	44	39	35	40	38	32	19	0	
405	Residence	Participating	552306.65	4750924.69	43	56	46	40	36	41	40	35	22	0	
434	Residence	Participating	554212.78	4750775.20	43	56	47	40	35	40	40	35	24	0	
449	Residence	Participating	553079.40	4750666.11	44	57	47	39	35	41	41	35	22	0	
450	Residence	Participating	551476.72	4750389.70	41	54	44	37	33	39	38	33	20	0	
453	Residence	Participating	551744.00	4750692.59	47	60	49	42	37	43	44	40	32	6	
454	Residence	Participating	552354.86	4751031.09	44	57	47	40	36	41	41	37	25	0	
486	Residence	Participating	550484.39	4752255.30	38	54	43	34	29	36	36	29	13	0	
492	Residence	Participating	549504.02	4752997.19	34	50	39	31	28	32	31	24	4	0	
493	Residence	Participating	549303.28	4753118.73	31	44	33	30	26	30	27	18	0	0	
494	Residence	Participating	549241.92	4753172.52	31	44	33	30	26	30	27	19	0	0	
495	Residence	Participating	549193.02	4753249.76	33	47	36	31	27	32	30	23	2	0	
496	Residence	Participating	549134.52	4753310.51	34	47	37	31	27	32	31	24	5	0	
499	Residence	Participating	549175.28	4753516.36	35	48	38	32	29	33	32	25	8	0	
500	Residence	Participating	548993.19	4753649.69	38	50	40	34	31	36	35	30	19	0	
501	Residence	Participating	548858.08	4754014.00	43	54	44	37	32	39	39	36	28	0	
503	Residence	Participating	550086.61	4754906.49	34	47	37	31	27	32	31	25	6	0	
Summary of Maximum and Minimum Sound Levels															
453	Residence	Participating	551744.00	4750692.59	47	60	49	42	37	43	44	40	32	6	
493	Residence	Participating	549303.28	4753118.73	31	44	33	30	26	30	27	18	0	0	

Table 7-4.1d: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
453	Residence	Participating	551744.00	4750692.59	47	60	49	42	37	43	44	40	32	6	
402	Residence	Participating	551816.43	4750688.41	47	60	49	42	36	43	44	40	30	0	
454	Residence	Participating	552354.86	4751031.09	44	57	47	40	36	41	41	37	25	0	
449	Residence	Participating	553079.40	4750666.11	44	57	47	39	35	41	41	35	22	0	
405	Residence	Participating	552306.65	4750924.69	43	56	46	40	36	41	40	35	22	0	
434	Residence	Participating	554212.78	4750775.20	43	56	47	40	35	40	40	35	24	0	
501	Residence	Participating	548858.08	4754014.00	43	54	44	37	32	39	39	36	28	0	
404	Residence	Participating	552272.81	4750939.93	41	54	44	39	35	40	38	32	19	0	
450	Residence	Participating	551476.72	4750389.70	41	54	44	37	33	39	38	33	20	0	
486	Residence	Participating	550484.39	4752255.30	38	54	43	34	29	36	36	29	13	0	
500	Residence	Participating	548993.19	4753649.69	38	50	40	34	31	36	35	30	19	0	
499	Residence	Participating	549175.28	4753516.36	35	48	38	32	29	33	32	25	8	0	
503	Residence	Participating	550086.61	4754906.49	34	47	37	31	27	32	31	25	6	0	
492	Residence	Participating	549504.02	4752997.19	34	50	39	31	28	32	31	24	4	0	
496	Residence	Participating	549134.52	4753310.51	34	47	37	31	27	32	31	24	5	0	
495	Residence	Participating	549193.02	4753249.76	33	47	36	31	27	32	30	23	2	0	
494	Residence	Participating	549241.92	4753172.52	31	44	33	30	26	30	27	19	0	0	
493	Residence	Participating	549303.28	4753118.73	31	44	33	30	26	30	27	18	0	0	
Summary of Maximum and Minimum Sound Levels															
453	Residence	Participating	551744.00	4750692.59	47	60	49	42	37	43	44	40	32	6	
493	Residence	Participating	549303.28	4753118.73	31	44	33	30	26	30	27	18	0	0	

Table 7-4.1e: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
1	Cemetery	Non-Participating	552496.97	4754230.50	26	46	36	31	25	26	20	2	0	0	
22	Cemetery	Non-Participating	553369.86	4748896.88	31	48	38	30	26	30	28	19	0	0	
45	Farm	Non-Participating	554456.12	4749508.64	32	48	37	31	27	31	28	18	0	0	
61	Farm	Non-Participating	555399.90	4749709.22	34	50	40	32	27	32	31	23	0	0	
63	Farm	Non-Participating	554954.65	4750006.39	39	53	43	35	30	36	36	30	16	0	
69	Barn	Non-Participating	550513.30	4755112.51	28	41	31	28	24	27	24	15	0	0	
89	Cemetery	Non-Participating	551050.86	4754825.13	27	41	31	29	24	27	23	13	0	0	
93	Farm	Non-Participating	551943.32	4753242.16	27	43	34	31	26	27	22	7	0	0	
136	Farm	Non-Participating	551693.65	4752961.04	29	46	36	31	26	29	24	10	0	0	
142	Farm	Non-Participating	550318.87	4753045.87	37	53	43	34	30	35	34	27	9	0	
162	Farm	Non-Participating	549653.65	4750273.39	25	42	32	27	23	25	21	9	0	0	
167	Public Trail	Non-Participating	551661.37	4754929.10	23	39	30	28	22	23	18	4	0	0	
182	Farm	Non-Participating	550310.92	4749581.23	28	45	35	28	23	27	24	13	0	0	
183	Farm	Non-Participating	550953.76	4749569.39	29	45	34	30	25	29	26	16	0	0	
189	Cemetery	Non-Participating	553034.77	4749102.48	32	46	36	31	27	31	28	19	0	0	
211	Farm	Non-Participating	554844.09	4753602.43	29	40	34	35	29	29	22	10	0	0	
218	Farm	Non-Participating	553643.07	4754502.85	23	38	31	30	24	23	15	0	0	0	
286	Farm	Non-Participating	551036.63	4754190.23	36	51	41	32	28	33	33	25	3	0	
375	Historic Site	Non-Participating	549540.03	4755454.87	28	44	34	27	23	27	25	15	0	0	
392	Farm	Non-Participating	549107.90	4751317.71	27	44	34	27	22	26	24	13	0	0	
520	Public Trail	Non-Participating	553793.34	4754317.37	24	38	32	32	26	25	16	0	0	0	
Summary of Maximum and Minimum Sound Levels															
63	Farm	Non-Participating	554954.65	4750006.39	39	53	43	35	30	36	36	30	16	0	
218	Farm	Non-Participating	553643.07	4754502.85	23	38	31	30	24	23	15	0	0	0	

Table 7-4.1f: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
63	Farm	Non-Participating	554954.65	4750006.39	39	53	43	35	30	36	36	30	16	0	
142	Farm	Non-Participating	550318.87	4753045.87	37	53	43	34	30	35	34	27	9	0	
286	Farm	Non-Participating	551036.63	4754190.23	36	51	41	32	28	33	33	25	3	0	
61	Farm	Non-Participating	555399.90	4749709.22	34	50	40	32	27	32	31	23	0	0	
45	Farm	Non-Participating	554456.12	4749508.64	32	48	37	31	27	31	28	18	0	0	
189	Cemetery	Non-Participating	553034.77	4749102.48	32	46	36	31	27	31	28	19	0	0	
22	Cemetery	Non-Participating	553369.86	4748896.88	31	48	38	30	26	30	28	19	0	0	
183	Farm	Non-Participating	550953.76	4749569.39	29	45	34	30	25	29	26	16	0	0	
211	Farm	Non-Participating	554844.09	4753602.43	29	40	34	35	29	29	22	10	0	0	
136	Farm	Non-Participating	551693.65	4752961.04	29	46	36	31	26	29	24	10	0	0	
375	Historic Site	Non-Participating	549540.03	4755454.87	28	44	34	27	23	27	25	15	0	0	
69	Barn	Non-Participating	550513.30	4755112.51	28	41	31	28	24	27	24	15	0	0	
182	Farm	Non-Participating	550310.92	4749581.23	28	45	35	28	23	27	24	13	0	0	
93	Farm	Non-Participating	551943.32	4753242.16	27	43	34	31	26	27	22	7	0	0	
392	Farm	Non-Participating	549107.90	4751317.71	27	44	34	27	22	26	24	13	0	0	
89	Cemetery	Non-Participating	551050.86	4754825.13	27	41	31	29	24	27	23	13	0	0	
1	Cemetery	Non-Participating	552496.97	4754230.50	26	46	36	31	25	26	20	2	0	0	
162	Farm	Non-Participating	549653.65	4750273.39	25	42	32	27	23	25	21	9	0	0	
520	Public Trail	Non-Participating	553793.34	4754317.37	24	38	32	32	26	25	16	0	0	0	
167	Public Trail	Non-Participating	551661.37	4754929.10	23	39	30	28	22	23	18	4	0	0	
218	Farm	Non-Participating	553643.07	4754502.85	23	38	31	30	24	23	15	0	0	0	
Summary of Maximum and Minimum Sound Levels															
63	Farm	Non-Participating	554954.65	4750006.39	39	53	43	35	30	36	36	30	16	0	
218	Farm	Non-Participating	553643.07	4754502.85	23	38	31	30	24	23	15	0	0	0	

Table 7-4.1g: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
64	Farm	Participating	555379.74	4750514.35	45	57	47	40	34	41	42	38	29	0	
91	Farm	Participating	552295.34	4751058.50	43	56	46	39	35	40	40	35	22	0	
101	Park	Participating	548640.78	4753686.91	44	55	45	39	33	40	41	38	31	6	
513	Farm	Participating	555300.86	4750510.05	44	57	46	39	34	41	41	37	27	0	
Summary of Maximum and Minimum Sound Levels															
64	Farm	Participating	555379.74	4750514.35	45	57	47	40	34	41	42	38	29	0	
91	Farm	Participating	552295.34	4751058.50	43	56	46	39	35	40	40	35	22	0	

Table 7-4.1h: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
64	Farm	Participating	555379.74	4750514.35	45	57	47	40	34	41	42	38	29	0
513	Farm	Participating	555300.86	4750510.05	44	57	46	39	34	41	41	37	27	0
101	Park	Participating	548640.78	4753686.91	44	55	45	39	33	40	41	38	31	6
91	Farm	Participating	552295.34	4751058.50	43	56	46	39	35	40	40	35	22	0
Summary of Maximum and Minimum Sound Levels														
64	Farm	Participating	555379.74	4750514.35	45	57	47	40	34	41	42	38	29	0
91	Farm	Participating	552295.34	4751058.50	43	56	46	39	35	40	40	35	22	0

Table 7-4.1i: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Non-Parti

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
2	Government Building	Non-Participating	552766.10	4754149.15	26	44	35	31	26	26	20	1	0	0	
3	Business	Non-Participating	553514.16	4749391.79	33	48	37	32	28	32	30	21	1	0	
4	Business	Non-Participating	553050.09	4754176.65	26	45	36	32	26	27	20	1	0	0	
5	Business	Non-Participating	553263.69	4754103.52	27	45	36	33	27	27	20	2	0	0	
6	Business	Non-Participating	553550.77	4753756.03	29	44	36	35	29	29	22	8	0	0	
7	Government Building	Non-Participating	553871.27	4753789.52	29	45	37	35	30	30	23	9	0	0	
8	Business	Non-Participating	553774.59	4749663.57	33	47	37	33	29	32	29	20	0	0	
9	Fire Department	Non-Participating	553667.42	4749525.02	34	50	40	33	29	33	31	22	0	0	
17	Restaurant	Non-Participating	553522.96	4749251.21	32	48	37	31	27	31	29	19	0	0	
26	Public Building	Non-Participating	553655.51	4749339.34	33	49	38	32	28	32	29	20	0	0	
31	Church	Non-Participating	553747.94	4749370.05	33	49	39	32	28	32	29	20	0	0	
53	Business	Non-Participating	551396.02	4749658.96	31	47	37	31	27	31	28	19	3	0	
67	Business	Non-Participating	555301.38	4750106.85	39	53	43	35	30	36	36	30	12	0	
88	Business	Non-Participating	551120.38	4755080.65	25	40	30	28	23	25	20	8	0	0	
97	Business	Non-Participating	551939.15	4752867.89	30	49	39	32	27	30	27	13	0	0	
151	Business	Non-Participating	548718.98	4752735.02	27	41	31	27	23	26	22	13	0	0	
187	Business	Non-Participating	552537.70	4748887.86	29	44	34	29	25	28	25	15	0	0	
209	Business	Non-Participating	554962.37	4753596.45	28	40	34	34	29	28	22	9	0	0	
212	Police Station	Non-Participating	554495.79	4753677.62	31	48	39	36	30	31	26	14	0	0	
227	Business	Non-Participating	553204.51	4754847.32	22	38	30	29	23	23	14	0	0	0	
228	Business	Non-Participating	553142.39	4754859.45	22	38	30	29	23	23	14	0	0	0	
296	Business	Non-Participating	551038.17	4755298.62	24	39	30	27	22	24	20	8	0	0	
366	Government Building	Non-Participating	550796.72	4755728.65	26	43	33	27	21	25	22	9	0	0	
368	Business	Non-Participating	550121.24	4755655.30	27	43	33	27	22	26	24	13	0	0	
369	Business	Non-Participating	550068.27	4755623.44	28	44	34	27	22	27	24	13	0	0	
505	Business	Non-Participating	553201.09	4754131.71	26	44	35	32	27	27	20	2	0	0	
Summary of Maximum and Minimum Sound Levels															
67	Business	Non-Participating	555301.38	4750106.85	39	53	43	35	30	36	36	30	12	0	
228	Business	Non-Participating	553142.39	4754859.45	22	38	30	29	23	23	14	0	0	0	

Table 7-4.1j: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Non-Parti

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
67	Business	Non-Participating	555301.38	4750106.85	39	53	43	35	30	36	36	30	12	0	
9	Fire Department	Non-Participating	553667.42	4749525.02	34	50	40	33	29	33	31	22	0	0	
3	Business	Non-Participating	553514.16	4749391.79	33	48	37	32	28	32	30	21	1	0	
8	Business	Non-Participating	553774.59	4749663.57	33	47	37	33	29	32	29	20	0	0	
31	Church	Non-Participating	553747.94	4749370.05	33	49	39	32	28	32	29	20	0	0	
26	Public Building	Non-Participating	553655.51	4749339.34	33	49	38	32	28	32	29	20	0	0	
17	Restaurant	Non-Participating	553522.96	4749251.21	32	48	37	31	27	31	29	19	0	0	
53	Business	Non-Participating	551396.02	4749658.96	31	47	37	31	27	31	28	19	3	0	
212	Police Station	Non-Participating	554495.79	4753677.62	31	48	39	36	30	31	26	14	0	0	
97	Business	Non-Participating	551939.15	4752867.89	30	49	39	32	27	30	27	13	0	0	
7	Government Building	Non-Participating	553871.27	4753789.52	29	45	37	35	30	30	23	9	0	0	
6	Business	Non-Participating	553550.77	4753756.03	29	44	36	35	29	29	22	8	0	0	
187	Business	Non-Participating	552537.70	4748887.86	29	44	34	29	25	28	25	15	0	0	
209	Business	Non-Participating	554962.37	4753596.45	28	40	34	34	29	28	22	9	0	0	
369	Business	Non-Participating	550068.27	4755623.44	28	44	34	27	22	27	24	13	0	0	
368	Business	Non-Participating	550121.24	4755655.30	27	43	33	27	22	26	24	13	0	0	
5	Business	Non-Participating	553263.69	4754103.52	27	45	36	33	27	27	20	2	0	0	
151	Business	Non-Participating	548718.98	4752735.02	27	41	31	27	23	26	22	13	0	0	
4	Business	Non-Participating	553050.09	4754176.65	26	45	36	32	26	27	20	1	0	0	
505	Business	Non-Participating	553201.09	4754131.71	26	44	35	32	27	27	20	2	0	0	
2	Government Building	Non-Participating	552766.10	4754149.15	26	44	35	31	26	26	20	1	0	0	
366	Government Building	Non-Participating	550796.72	4755728.65	26	43	33	27	21	25	22	9	0	0	
88	Business	Non-Participating	551120.38	4755080.65	25	40	30	28	23	25	20	8	0	0	
296	Business	Non-Participating	551038.17	4755298.62	24	39	30	27	22	24	20	8	0	0	
227	Business	Non-Participating	553204.51	4754847.32	22	38	30	29	23	23	14	0	0	0	
228	Business	Non-Participating	553142.39	4754859.45	22	38	30	29	23	23	14	0	0	0	
Summary of Maximum and Minimum Sound Levels															
67	Business	Non-Participating	555301.38	4750106.85	39	53	43	35	30	36	36	30	12	0	
228	Business	Non-Participating	553142.39	4754859.45	22	38	30	29	23	23	14	0	0	0	

Table 7-4.1k: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Participat

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
90	Business	Participating	552504.85	4751087.77	46	58	48	41	36	42	43	39	29	0
Summary of Maximum and Minimum Sound Levels														
90	Business	Participating	552504.85	4751087.77	46	58	48	41	36	42	43	39	29	0
90	Business	Participating	552504.85	4751087.77	46	58	48	41	36	42	43	39	29	0

Table 7-4.11: Unmitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Participat

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
90	Business	Participating	552504.85	4751087.77	46	58	48	41	36	42	43	39	29	0
Summary of Maximum and Minimum Sound Levels														
90	Business	Participating	552504.85	4751087.77	46	58	48	41	36	42	43	39	29	0
90	Business	Participating	552504.85	4751087.77	46	58	48	41	36	42	43	39	29	0

Table 7-4.2a: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
10	Residence	Non-Participating	553620.51	4749511.82	32	49	38	31	27	31	29	21	0	0	
11	Residence	Non-Participating	553607.06	4749417.70	31	48	37	30	26	31	28	19	0	0	
12	Residence	Non-Participating	553577.66	4749441.54	32	48	37	30	26	31	28	19	0	0	
13	Residence	Non-Participating	553598.26	4749409.09	31	48	37	30	26	30	28	19	0	0	
14	Residence	Non-Participating	553571.47	4749430.18	31	48	37	30	26	30	28	19	0	0	
15	Residence	Non-Participating	553564.27	4749411.72	31	48	37	30	26	30	28	19	0	0	
16	Residence	Non-Participating	553442.39	4749486.27	32	47	36	31	27	31	28	20	0	0	
18	Residence	Non-Participating	553475.99	4749272.63	32	47	37	30	26	31	29	20	0	0	
19	Residence	Non-Participating	553488.36	4749190.76	27	43	33	28	24	27	23	12	0	0	
20	Residence	Non-Participating	553397.22	4749063.25	29	42	32	28	24	28	25	16	0	0	
21	Residence	Non-Participating	553377.20	4749005.70	29	43	33	28	24	28	25	16	0	0	
23	Residence	Non-Participating	553561.73	4749272.69	31	47	37	30	26	30	28	18	0	0	
24	Residence	Non-Participating	553574.39	4749309.19	31	47	37	30	26	30	28	18	0	0	
25	Residence	Non-Participating	553620.54	4749291.76	31	47	36	29	26	30	27	18	0	0	
27	Residence	Non-Participating	553684.46	4749312.08	31	47	37	29	26	30	27	17	0	0	
28	Residence	Non-Participating	553710.71	4749317.74	31	48	37	29	26	30	28	17	0	0	
29	Residence	Non-Participating	553708.92	4749353.07	31	48	37	30	26	30	28	18	0	0	
30	Residence	Non-Participating	553730.45	4749320.50	30	48	37	29	25	29	27	17	0	0	
32	Residence	Non-Participating	553786.39	4749339.35	31	48	37	29	25	30	27	17	0	0	
33	Residence	Non-Participating	553810.04	4749348.12	31	48	37	29	25	30	27	17	0	0	
34	Residence	Non-Participating	553815.53	4749386.41	31	48	37	30	26	30	28	18	0	0	
35	Residence	Non-Participating	553842.45	4749353.44	30	48	37	29	25	30	27	17	0	0	
36	Residence	Non-Participating	553848.75	4749390.38	31	48	37	30	26	30	28	18	0	0	
37	Residence	Non-Participating	553931.34	4749411.71	31	48	37	29	26	30	28	18	0	0	
38	Residence	Non-Participating	553960.01	4749383.92	31	48	37	29	25	30	27	18	0	0	
39	Residence	Non-Participating	553977.57	4749391.48	31	48	37	29	25	30	28	18	0	0	
40	Residence	Non-Participating	554030.09	4749404.59	31	48	37	29	25	30	27	18	0	0	
41	Residence	Non-Participating	554080.42	4749417.44	31	48	37	29	25	30	27	18	0	0	
42	Residence	Non-Participating	554111.63	4749466.61	32	48	38	29	26	30	28	20	0	0	
43	Residence	Non-Participating	554143.66	4749432.07	30	47	36	29	25	29	27	18	0	0	
44	Residence	Non-Participating	554179.52	4749443.30	31	48	38	29	26	30	28	18	0	0	
46	Residence	Non-Participating	554332.74	4749485.43	31	48	37	29	26	30	28	19	0	0	
47	Residence	Non-Participating	552629.05	4749782.74	34	49	38	33	30	33	31	23	7	0	
48	Residence	Non-Participating	552422.18	4749780.50	35	46	36	32	30	34	32	26	9	0	
49	Residence	Non-Participating	552215.88	4749784.96	38	51	40	33	30	36	36	29	10	0	
50	Residence	Non-Participating	552030.15	4749782.86	36	50	39	32	29	34	33	25	3	0	
51	Residence	Non-Participating	552019.77	4749712.13	36	50	39	32	29	34	33	25	2	0	
52	Residence	Non-Participating	551922.97	4749679.16	34	49	39	32	28	32	30	22	0	0	
54	Residence	Non-Participating	551570.52	4749612.37	31	47	37	30	27	31	28	19	0	0	
55	Residence	Non-Participating	551325.67	4749478.65	32	46	35	29	26	30	28	21	3	0	
56	Residence	Non-Participating	554794.56	4749621.54	30	46	35	29	26	30	27	18	0	0	
57	Residence	Non-Participating	554895.30	4749569.97	30	44	34	28	25	29	27	17	0	0	
58	Residence	Non-Participating	555200.32	4749639.45	30	45	35	29	25	29	26	17	0	0	
59	Residence	Non-Participating	555115.67	4749759.00	32	45	35	29	26	30	28	20	0	0	
60	Residence	Non-Participating	555054.50	4749780.10	32	46	35	30	26	31	29	21	0	0	
62	Residence	Non-Participating	555117.84	4749958.10	35	48	38	31	28	33	32	25	5	0	
65	Residence	Non-Participating	555326.36	4750299.14	38	51	40	33	31	36	35	29	14	0	
66	Residence	Non-Participating	553499.88	4749228.65	30	46	35	29	25	29	27	17	0	0	
68	Residence	Non-Participating	555137.11	4750029.20	36	49	38	32	29	34	33	26	7	0	
70	Residence	Non-Participating	550683.80	4755149.29	27	40	30	26	23	26	23	13	0	0	
71	Residence	Non-Participating	550727.44	4755152.85	26	40	30	26	23	26	22	12	0	0	
72	Residence	Non-Participating	550756.74	4755150.88	26	40	30	26	22	26	22	12	0	0	
73	Residence	Non-Participating	550789.23	4755146.19	24	40	29	25	21	24	19	8	0	0	
74	Residence	Non-Participating	550813.39	4755146.77	23	40	29	25	21	23	19	8	0	0	
75	Residence	Non-Participating	550845.50	4755140.98	23	40	29	25	20	23	19	7	0	0	
76	Residence	Non-Participating	550826.31	4755140.59	23	40	29	25	21	23	19	7	0	0	
77	Residence	Non-Participating	550867.79	4755131.24	23	39	29	25	20	23	18	6	0	0	
78	Residence	Non-Participating	550887.58	4755130.01	23	39	29	25	20	23	18	6	0	0	
79	Residence	Non-Participating	550905.82	4755124.33	22	39	29	25	20	23	18	6	0	0	
80	Residence	Non-Participating	550930.35	4755119.74	22	39	29	25	20	23	18	5	0	0	
81	Residence	Non-Participating	550945.56	4755117.32	23	40	29	25	21	23	18	6	0	0	
82	Residence	Non-Participating	550961.02	4755113.39	23	40	29	25	21	23	19	6	0	0	
83	Residence	Non-Participating	550982.67	4755104.94	23	40	29	25	21	23	19	6	0	0	
84	Residence	Non-Participating	551002.52	4755101.68	23	39	29	25	21	23	18	6	0	0	
85	Residence	Non-Participating	551022.13	4755099.20	23	39	29	25	21	23	19	6	0	0	
86	Residence	Non-Participating	551046.03	4755096.23	23	39	29	25	21	23	19	6	0	0	
87	Residence	Non-Participating	551079.93	4755089.22	24	39	29	25	21	24	19	7	0	0	
92	Residence	Non-Participating	551525.79	4750504.83	38	52	42	36	33	37	35	29	14	0	
94	Residence	Non-Participating	551926.20	4753102.00	27	46	35	28	24	27	23	9	0	0	
95	Residence	Non-Participating	551958.41	4753020.24	28	46	35	28	24	28	24	9	0	0	
96	Residence	Non-Participating	552037.80	4752985.58	28	47	36	29	25	28	24	9	0	0	
98	Residence	Non-Participating	551570.84	4753904.92	26	43	33	27	23	26	22	10	0	0	
99	Residence	Non-Participating	551588.21	4753855.54	26	43	33	27	23	26	22	9	0	0	
100	Residence	Non-Participating	551449.45	4754199.65	26	41	30	27	23	26	22	11	0	0	
102	Residence	Non-Participating	552906.80	4751355.90	40	54	44	35	32	38	37	30	10	0	
103	Residence	Non-Participating	555414.87	4753215.13	29	41	31	28	24	28	25	18	1	0	
104	Residence	Non-Participating	555583.14	4753304.80	31	45	35	28	24	28	29	22	0	0	
105	Residence	Non-Participating	555670.69	4753147.71	30	45	36	29	24	29	27	20	0	0	
106	Residence	Non-Participating	555847.25	4753231.57	28	44	35	28	23	26	25	16	0	0	
107	Residence	Non-Participating	555822.18	4753188.69	30	44	35	28	24	28	27	19	0	0	
108	Residence	Non-Participating	555791.22	4753184.54	29	44	35	28	24	28	26	18	0	0	
109	Residence	Non-Participating	555811.87	4753134.94	30	44	35	28	24	29	28	20	0	0	
110	Residence	Non-Participating	555817.29	4753094.52	31	44	35	28	24	29	28	20	0	0	
111	Residence	Non-Participating	555867.13	4753181.53	30	44	35	28	24	28	27	19	0	0	
112	Residence	Non-Participating	555889.77	4753223.55	27	43	35	27	23	26	24	16	0	0	
113	Residence	Non-Participating	555913.56	4753195.21	27	43	35	27	23	26	24	15	0	0	
114	Residence	Non-Participating	555789.17	4753164.20	31	44	35	28	24	29	28	20	0	0	
115	Residence	Non-Participating	555778.80	4753155.10	31	44	35	28	24	29	28	20	0	0	
116	Residence	Non-Participating	555779.75	4753123.68	31	44	35	28	24	29	28	21	0	0	

Table 7-4.2a: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
117	Residence	Non-Participating	555773.78	4753104.10	31	44	36	28	24	29	28	21	0	0	
118	Residence	Non-Participating	555768.28	4753061.32	31	45	36	28	24	29	28	21	0	0	
119	Residence	Non-Participating	555506.35	4752425.23	32	47	38	31	27	31	29	20	0	0	
120	Residence	Non-Participating	555411.38	4752429.78	33	47	38	31	28	32	30	22	4	0	
121	Residence	Non-Participating	555444.52	4752334.26	33	47	38	31	28	32	29	21	1	0	
122	Residence	Non-Participating	555389.22	4752260.79	33	47	38	31	28	32	29	21	0	0	
123	Residence	Non-Participating	555314.75	4752326.25	34	48	39	32	28	32	30	22	4	0	
124	Residence	Non-Participating	555303.73	4752278.93	36	50	40	33	28	34	33	26	9	0	
125	Residence	Non-Participating	555278.06	4752246.63	37	50	40	33	29	35	34	27	10	0	
126	Residence	Non-Participating	555310.17	4752191.86	34	48	39	32	28	33	30	22	2	0	
127	Residence	Non-Participating	555150.42	4752043.77	36	49	40	33	30	34	32	25	4	0	
128	Residence	Non-Participating	555111.42	4752030.41	36	49	40	33	30	34	33	26	5	0	
129	Residence	Non-Participating	555109.17	4751999.69	36	49	40	33	30	34	33	25	4	0	
130	Residence	Non-Participating	555181.62	4751872.74	35	50	40	33	29	34	32	24	1	0	
131	Residence	Non-Participating	555071.83	4751700.54	37	51	41	34	30	35	34	27	7	0	
132	Residence	Non-Participating	555052.74	4751624.77	38	51	42	34	30	36	35	28	10	0	
133	Residence	Non-Participating	555139.23	4751628.39	38	51	42	34	30	36	35	28	11	0	
134	Residence	Non-Participating	551914.00	4752906.30	29	47	36	29	25	28	25	10	0	0	
135	Residence	Non-Participating	554218.74	4750619.62	40	53	42	36	33	38	36	30	14	0	
137	Residence	Non-Participating	551242.05	4752107.85	40	53	43	34	30	37	37	31	16	0	
138	Residence	Non-Participating	551321.25	4752157.29	38	53	43	33	29	35	35	28	10	0	
139	Residence	Non-Participating	551778.30	4752503.24	33	51	40	31	27	32	31	21	0	0	
140	Residence	Non-Participating	550126.31	4753026.88	39	53	43	34	31	37	36	31	17	0	
141	Residence	Non-Participating	550260.97	4753028.28	36	52	42	33	29	35	34	26	7	0	
143	Residence	Non-Participating	549935.88	4752984.91	39	53	43	34	31	36	37	31	18	0	
144	Residence	Non-Participating	549937.57	4753015.22	37	52	41	33	30	35	34	28	12	0	
145	Residence	Non-Participating	549792.45	4752980.70	37	51	40	33	30	35	33	28	13	0	
146	Residence	Non-Participating	548925.79	4752928.90	28	42	31	28	24	28	25	16	0	0	
147	Residence	Non-Participating	548899.59	4752791.17	27	41	31	27	23	26	23	13	0	0	
148	Residence	Non-Participating	548785.85	4752908.45	28	41	31	27	24	27	24	15	0	0	
149	Residence	Non-Participating	548807.21	4752763.77	26	41	30	27	23	26	22	13	0	0	
150	Residence	Non-Participating	548742.97	4752817.99	26	41	30	26	23	26	22	13	0	0	
152	Residence	Non-Participating	548540.09	4752729.82	25	40	30	26	22	25	21	12	0	0	
153	Residence	Non-Participating	548305.59	4752486.76	24	39	29	25	21	23	19	8	0	0	
154	Residence	Non-Participating	548372.15	4752625.68	24	40	29	25	21	24	20	10	0	0	
155	Residence	Non-Participating	548235.16	4752606.02	24	39	29	25	21	24	20	9	0	0	
156	Residence	Non-Participating	548616.62	4751780.44	22	39	28	24	20	23	18	4	0	0	
157	Residence	Non-Participating	548766.50	4751614.71	25	43	32	25	21	25	21	8	0	0	
158	Residence	Non-Participating	548779.30	4751673.55	25	43	32	25	21	25	21	9	0	0	
159	Residence	Non-Participating	548794.10	4751593.02	25	43	32	25	21	25	21	9	0	0	
160	Residence	Non-Participating	548931.22	4751579.56	26	43	33	26	22	25	23	11	0	0	
161	Residence	Non-Participating	549887.58	4751157.10	37	50	40	31	28	34	34	29	13	0	
163	Residence	Non-Participating	550017.12	4750343.09	27	43	32	27	23	27	24	14	0	0	
164	Residence	Non-Participating	550048.38	4750362.15	27	41	31	27	23	27	23	14	0	0	
165	Residence	Non-Participating	550125.18	4750414.06	29	46	35	28	24	29	26	16	0	0	
166	Residence	Non-Participating	550334.30	4750631.75	33	47	36	30	27	31	29	22	6	0	
168	Residence	Non-Participating	552058.11	4752751.95	29	47	36	29	25	29	25	12	0	0	
169	Residence	Non-Participating	552002.82	4752719.44	29	47	36	29	25	29	25	12	0	0	
170	Residence	Non-Participating	551987.43	4752753.85	29	46	36	29	25	29	25	11	0	0	
171	Residence	Non-Participating	548083.96	4753456.92	36	49	39	31	26	33	33	29	16	0	
172	Residence	Non-Participating	547820.51	4753402.32	20	39	28	23	19	21	16	5	0	0	
173	Residence	Non-Participating	547630.79	4753038.28	22	37	27	23	19	22	18	8	0	0	
174	Residence	Non-Participating	548891.36	4752672.09	26	41	30	27	23	26	22	12	0	0	
175	Residence	Non-Participating	548949.46	4752587.07	26	41	30	26	23	26	22	11	0	0	
176	Residence	Non-Participating	549473.90	4750142.19	23	41	30	25	20	23	19	6	0	0	
177	Residence	Non-Participating	549364.11	4750218.78	23	40	30	25	20	23	18	5	0	0	
178	Residence	Non-Participating	549374.39	4750383.39	27	44	34	26	21	26	24	13	0	0	
179	Residence	Non-Participating	549497.53	4750426.70	24	41	30	25	21	24	20	8	0	0	
180	Residence	Non-Participating	549553.23	4750231.76	24	42	31	25	21	24	20	8	0	0	
181	Residence	Non-Participating	549590.49	4750003.25	23	41	30	25	20	23	19	6	0	0	
184	Residence	Non-Participating	551465.05	4748613.11	25	43	33	26	21	25	21	7	0	0	
185	Residence	Non-Participating	551698.28	4748882.11	27	45	34	27	23	27	24	12	0	0	
186	Residence	Non-Participating	552195.89	4748808.52	28	45	34	27	24	28	25	14	0	0	
188	Amish Community	Non-Participating	552549.47	4748962.91	29	42	32	28	24	29	25	16	0	0	
190	Residence	Non-Participating	555384.61	4749593.85	30	45	35	28	24	29	26	17	0	0	
191	Residence	Non-Participating	555603.50	4749543.60	28	44	34	28	24	28	25	15	0	0	
192	Residence	Non-Participating	556044.38	4749445.55	26	43	33	26	22	26	22	10	0	0	
193	Residence	Non-Participating	556198.42	4749781.63	27	43	33	27	23	26	23	12	0	0	
194	Residence	Non-Participating	555802.43	4749877.62	30	45	35	28	25	29	27	18	0	0	
195	Residence	Non-Participating	556384.29	4750316.09	29	44	34	27	24	28	25	16	0	0	
196	Residence	Non-Participating	556587.52	4750631.17	26	43	33	27	22	26	23	12	0	0	
197	Residence	Non-Participating	556568.00	4750776.16	26	43	33	27	22	25	22	11	0	0	
198	Residence	Non-Participating	556617.91	4750861.79	26	42	33	26	22	25	22	11	0	0	
199	Residence	Non-Participating	555988.86	4750901.93	35	45	35	31	28	34	32	26	8	0	
200	Residence	Non-Participating	555951.70	4751023.36	36	47	37	31	28	34	33	27	8	0	
201	Residence	Non-Participating	556299.02	4751489.59	30	47	37	29	24	29	27	18	0	0	
202	Residence	Non-Participating	556123.54	4751443.61	32	47	38	29	26	31	29	21	0	0	
203	Residence	Non-Participating	556113.31	4751586.41	33	49	39	29	25	31	30	21	0	0	
204	Residence	Non-Participating	556134.21	4751708.14	32	48	38	29	25	30	29	19	0	0	
205	Residence	Non-Participating	556213.27	4751774.05	31	48	38	29	25	30	28	18	0	0	
206	Residence	Non-Participating	556224.65	4751815.69	30	48	37	28	24	29	28	17	0	0	
207	Residence	Non-Participating	555126.11	4753527.91	22	38	28	26	21	22	17	5	0	0	
208	Residence	Non-Participating	555084.02	4753547.90	23	39	29	26	22	23	17	6	0	0	
210	Residence	Non-Participating	555002.82	4753597.61	23	39	29	26	22	23	18	7	0	0	
213	Residence	Non-Participating	554241.34	4753798.98	25	44	33	28	23	25	19	4	0	0	
214	Residence	Non-Participating	553878.98	4754211.48	18	37	27	24	18	19	12	0	0	0	
215	Residence	Non-Participating	553723.92	4754259.61	20	38	28	25	20	21	14	0	0	0	
216	Residence	Non-Participating	553575.25	4754289.95	20	38	28	25	20	21	14	0	0	0	
217	Residence	Non-Participating	553744.52	4754503.18	19	37	27	24	19	19	12	0	0	0	

Table 7-4.2a: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
219	Residence	Non-Participating	553788.75	4754034.02	23	42	32	27	22	23	17	0	0	0
220	Residence	Non-Participating	553118.80	4754272.46	23	43	32	26	21	23	17	0	0	0
221	Residence	Non-Participating	553211.92	4754368.10	20	38	28	25	20	20	13	0	0	0
222	Residence	Non-Participating	553202.75	4754319.09	20	38	28	25	20	20	13	0	0	0
223	Residence	Non-Participating	553023.01	4754463.57	19	37	27	23	18	19	12	0	0	0
224	Residence	Non-Participating	552955.72	4754456.21	19	37	27	23	18	19	12	0	0	0
225	Residence	Non-Participating	552827.55	4754411.53	19	37	27	23	18	19	13	0	0	0
226	Residence	Non-Participating	552892.44	4754478.80	19	37	27	23	18	19	12	0	0	0
229	Residence	Non-Participating	552622.43	4754532.87	19	37	27	23	18	20	13	0	0	0
230	Residence	Non-Participating	552500.75	4754573.42	19	37	27	23	18	19	13	0	0	0
231	Residence	Non-Participating	552394.76	4754564.47	20	38	27	24	19	20	14	0	0	0
232	Residence	Non-Participating	552239.88	4754506.04	24	44	33	26	21	24	20	4	0	0
233	Residence	Non-Participating	552345.21	4754413.19	24	44	34	26	21	24	20	3	0	0
234	Residence	Non-Participating	552110.64	4754593.78	21	38	28	24	19	21	16	1	0	0
235	Residence	Non-Participating	551830.65	4754673.54	26	44	33	26	21	25	22	9	0	0
236	Residence	Non-Participating	551792.76	4754572.76	26	44	33	26	22	25	22	10	0	0
237	Residence	Non-Participating	551819.02	4754476.31	23	40	29	26	21	24	19	5	0	0
238	Residence	Non-Participating	551865.61	4754444.05	23	40	29	26	21	24	19	4	0	0
239	Residence	Non-Participating	551438.07	4754841.79	24	39	29	25	21	24	20	8	0	0
240	Residence	Non-Participating	551391.00	4754852.89	24	39	29	25	21	24	20	9	0	0
241	Residence	Non-Participating	551367.92	4754811.20	29	46	36	27	23	28	26	16	0	0
242	Residence	Non-Participating	551376.12	4754827.93	29	46	35	27	22	28	26	16	0	0
243	Residence	Non-Participating	551350.26	4754867.76	24	39	29	25	21	24	20	9	0	0
244	Residence	Non-Participating	551351.20	4754765.75	29	45	35	27	23	27	26	16	0	0
245	Residence	Non-Participating	551389.48	4754763.51	28	45	35	27	23	27	25	15	0	0
246	Residence	Non-Participating	551347.38	4754747.47	27	43	32	26	22	26	23	13	0	0
247	Residence	Non-Participating	551360.09	4754701.39	25	40	30	26	22	25	21	10	0	0
248	Residence	Non-Participating	551306.48	4754738.43	25	40	30	26	22	25	21	11	0	0
249	Residence	Non-Participating	551314.25	4754709.08	26	40	30	26	22	25	22	11	0	0
250	Residence	Non-Participating	551359.82	4754678.66	25	40	30	26	22	25	21	11	0	0
251	Residence	Non-Participating	551447.80	4754719.49	28	45	35	27	23	27	25	15	0	0
252	Residence	Non-Participating	551284.91	4754847.61	25	40	29	26	22	25	21	10	0	0
253	Residence	Non-Participating	551283.06	4754818.35	25	40	29	26	22	25	21	10	0	0
254	Residence	Non-Participating	551298.02	4754777.57	25	40	30	26	22	25	21	11	0	0
255	Residence	Non-Participating	551273.29	4754710.31	26	40	30	26	22	26	22	12	0	0
256	Residence	Non-Participating	551268.34	4754731.97	26	40	30	26	22	26	22	11	0	0
257	Residence	Non-Participating	551247.83	4754748.35	26	40	30	26	22	26	22	12	0	0
258	Residence	Non-Participating	551287.33	4754643.29	26	40	30	26	23	26	22	12	0	0
259	Residence	Non-Participating	551224.03	4754867.18	25	40	29	25	22	25	21	10	0	0
260	Residence	Non-Participating	551219.49	4754888.07	25	40	29	25	22	25	21	10	0	0
261	Residence	Non-Participating	551213.74	4754907.71	25	40	29	25	22	25	21	10	0	0
262	Residence	Non-Participating	551211.61	4754929.37	25	40	29	25	22	25	21	10	0	0
263	Residence	Non-Participating	551204.30	4754955.64	25	40	29	25	22	25	21	10	0	0
264	Residence	Non-Participating	551288.82	4754671.60	28	43	33	27	23	27	24	15	0	0
265	Residence	Non-Participating	551273.90	4754673.40	28	43	33	27	23	27	24	15	0	0
266	Residence	Non-Participating	551263.00	4754674.86	28	43	33	27	23	27	25	15	0	0
267	Residence	Non-Participating	551249.46	4754684.68	28	43	33	27	23	27	25	15	0	0
268	Residence	Non-Participating	551221.67	4754666.81	26	41	30	27	23	26	23	13	0	0
269	Residence	Non-Participating	551217.45	4754690.70	28	43	33	27	23	27	25	15	0	0
270	Residence	Non-Participating	551210.52	4754698.88	28	43	33	27	23	27	25	15	0	0
271	Residence	Non-Participating	551201.53	4754704.65	28	44	33	27	23	27	25	16	0	0
272	Residence	Non-Participating	551217.99	4754730.80	29	45	34	27	23	28	26	16	0	0
273	Residence	Non-Participating	551157.49	4754658.09	27	41	30	27	23	27	23	14	0	0
274	Residence	Non-Participating	551191.22	4754708.81	26	41	30	27	23	26	23	13	0	0
275	Residence	Non-Participating	551203.01	4754740.23	31	47	37	28	24	29	28	19	0	0
276	Residence	Non-Participating	551187.73	4754744.47	31	47	37	28	24	29	28	19	0	0
277	Residence	Non-Participating	551173.11	4754718.66	27	41	30	27	23	26	23	13	0	0
278	Residence	Non-Participating	551208.06	4754769.99	26	40	30	26	23	26	22	12	0	0
279	Residence	Non-Participating	551233.34	4754806.62	26	40	30	26	22	25	22	11	0	0
280	Residence	Non-Participating	551219.56	4754805.10	26	40	30	26	22	25	22	12	0	0
281	Residence	Non-Participating	551208.89	4754805.01	26	40	30	26	22	26	22	12	0	0
282	Residence	Non-Participating	551196.03	4754804.57	26	40	30	26	22	26	22	12	0	0
283	Residence	Non-Participating	551159.96	4754397.83	33	50	39	29	25	32	31	23	0	0
284	Residence	Non-Participating	551130.26	4754363.27	34	51	40	30	26	32	32	24	0	0
285	Residence	Non-Participating	551076.05	4754225.02	35	51	40	31	27	33	32	25	1	0
287	Residence	Non-Participating	550612.74	4753448.90	39	53	43	34	29	36	36	30	12	0
288	Residence	Non-Participating	551265.67	4754590.90	26	41	30	26	23	26	23	12	0	0
289	Residence	Non-Participating	551143.38	4755018.89	22	39	28	24	20	22	17	5	0	0
290	Residence	Non-Participating	551132.67	4754986.85	19	39	28	23	18	20	14	0	0	0
291	Residence	Non-Participating	551094.82	4754984.85	23	40	29	25	21	23	19	7	0	0
292	Residence	Non-Participating	551081.34	4754943.71	25	40	29	26	22	25	21	11	0	0
293	Residence	Non-Participating	551119.58	4755064.45	24	39	29	25	21	24	20	8	0	0
294	Residence	Non-Participating	551106.74	4755029.86	23	39	29	25	21	23	18	6	0	0
295	Residence	Non-Participating	551102.53	4755012.82	23	39	29	25	20	23	18	6	0	0
297	Residence	Non-Participating	551096.47	4755269.48	23	39	28	24	20	23	18	6	0	0
298	Residence	Non-Participating	551074.12	4755266.33	21	38	28	24	19	21	16	3	0	0
299	Residence	Non-Participating	551054.17	4755262.67	21	38	28	23	19	21	16	2	0	0
300	Residence	Non-Participating	551106.58	4755151.63	24	39	29	25	21	24	20	8	0	0
301	Residence	Non-Participating	551075.32	4755019.57	23	39	29	25	20	23	18	6	0	0
302	Residence	Non-Participating	551050.07	4755000.14	22	39	29	25	20	22	17	5	0	0
303	Residence	Non-Participating	551089.41	4755015.56	23	39	29	25	20	23	18	6	0	0
304	Residence	Non-Participating	551016.47	4755000.54	20	39	28	24	19	20	14	1	0	0
305	Residence	Non-Participating	550926.18	4755025.15	26	40	30	26	23	26	22	12	0	0
306	Residence	Non-Participating	550902.21	4755030.21	26	40	30	26	23	26	23	12	0	0
307	Residence	Non-Participating	550864.74	4755035.76	26	40	30	26	23	26	23	13	0	0
308	Residence	Non-Participating	550832.57	4755040.95	27	41	30	26	23	26	23	13	0	0
309	Residence	Non-Participating	550813.43	4755049.25	27	41	30	26	23	26	23	13	0	0
310	Residence	Non-Participating	550787.29	4755051.69	27	41	30	26	23	26	23	13	0	0
311	Residence	Non-Participating	550765.69	4755055.14	27	41	30	26	23	26	23	13	0	0

Table 7-4.2a: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
312	Residence	Non-Participating	550738.53	4755060.68	27	41	30	27	23	26	23	13	0	0	
313	Residence	Non-Participating	550733.66	4755026.08	27	41	30	27	23	27	23	13	0	0	
314	Residence	Non-Participating	550761.51	4755020.67	27	41	30	27	23	26	23	13	0	0	
315	Residence	Non-Participating	550784.14	4755016.18	27	41	30	27	23	26	23	13	0	0	
316	Residence	Non-Participating	550805.10	4755013.79	27	41	30	27	23	26	23	13	0	0	
317	Residence	Non-Participating	550830.46	4755008.57	27	41	30	26	23	26	23	13	0	0	
318	Residence	Non-Participating	550854.11	4755004.76	27	41	30	26	23	26	23	13	0	0	
319	Residence	Non-Participating	550875.87	4755000.63	27	41	30	26	23	26	23	13	0	0	
320	Residence	Non-Participating	550898.55	4754995.13	27	40	30	26	23	26	23	13	0	0	
321	Residence	Non-Participating	550924.17	4754990.22	26	40	30	26	23	26	23	13	0	0	
322	Residence	Non-Participating	550947.14	4754982.12	26	40	30	26	23	26	23	13	0	0	
323	Residence	Non-Participating	551003.16	4754892.98	26	40	30	26	23	26	22	12	0	0	
324	Residence	Non-Participating	550953.63	4754942.08	27	41	30	26	23	26	23	13	0	0	
325	Residence	Non-Participating	550951.68	4754893.97	26	41	30	26	23	26	22	12	0	0	
326	Residence	Non-Participating	550932.16	4754901.06	27	41	30	27	23	26	23	14	0	0	
327	Residence	Non-Participating	550924.86	4754904.74	27	41	30	26	23	26	23	13	0	0	
328	Residence	Non-Participating	550907.30	4754906.21	27	41	30	27	23	26	23	13	0	0	
329	Residence	Non-Participating	550902.26	4754944.25	27	41	30	26	23	26	23	13	0	0	
330	Residence	Non-Participating	550882.99	4754908.86	27	41	30	27	23	26	23	13	0	0	
331	Residence	Non-Participating	550877.88	4754951.63	27	41	30	27	23	26	23	13	0	0	
332	Residence	Non-Participating	550859.79	4754914.95	27	41	30	27	23	27	23	13	0	0	
333	Residence	Non-Participating	550853.17	4754953.37	27	41	30	27	23	26	23	13	0	0	
334	Residence	Non-Participating	550836.80	4754918.41	27	41	30	27	23	26	23	13	0	0	
335	Residence	Non-Participating	550835.17	4754956.90	27	41	30	27	23	26	23	13	0	0	
336	Residence	Non-Participating	550811.53	4754921.81	27	41	30	27	23	26	23	13	0	0	
337	Residence	Non-Participating	550811.03	4754959.46	27	41	30	27	23	26	23	13	0	0	
338	Residence	Non-Participating	550788.34	4754927.78	27	41	30	27	23	26	23	13	0	0	
339	Residence	Non-Participating	550782.70	4754966.07	27	41	30	27	23	26	23	13	0	0	
340	Residence	Non-Participating	550759.41	4754973.37	27	41	30	27	23	26	23	13	0	0	
341	Residence	Non-Participating	550536.56	4754834.20	27	42	31	27	23	27	23	14	0	0	
342	Residence	Non-Participating	550559.36	4754845.37	27	42	31	27	23	26	23	14	0	0	
343	Residence	Non-Participating	550537.49	4754880.60	28	42	32	28	24	27	24	15	0	0	
344	Residence	Non-Participating	550563.03	4754888.12	28	42	31	28	24	27	24	15	0	0	
345	Residence	Non-Participating	550581.18	4754849.29	27	42	31	27	23	26	23	14	0	0	
346	Residence	Non-Participating	550606.18	4754858.64	26	42	31	27	23	26	23	13	0	0	
347	Residence	Non-Participating	550581.06	4754892.30	27	42	31	27	24	27	23	14	0	0	
348	Residence	Non-Participating	550627.87	4754866.16	26	42	31	27	23	26	22	13	0	0	
349	Residence	Non-Participating	550606.38	4754901.75	27	42	31	27	23	27	23	14	0	0	
350	Residence	Non-Participating	550646.19	4754871.73	26	42	31	27	23	26	22	13	0	0	
351	Residence	Non-Participating	550629.92	4754910.37	27	42	31	27	23	26	23	14	0	0	
352	Residence	Non-Participating	550651.92	4754918.85	27	41	31	27	23	26	23	13	0	0	
353	Residence	Non-Participating	550676.03	4754882.55	26	41	31	27	23	26	22	13	0	0	
354	Residence	Non-Participating	550697.98	4754891.67	26	41	31	27	23	26	22	13	0	0	
355	Residence	Non-Participating	550718.13	4754897.82	26	41	31	27	23	26	22	12	0	0	
356	Residence	Non-Participating	550674.19	4754922.88	27	41	31	27	23	26	23	13	0	0	
357	Residence	Non-Participating	550696.75	4754931.72	27	41	31	27	23	26	23	13	0	0	
358	Residence	Non-Participating	550721.27	4754938.63	27	41	31	27	23	26	23	13	0	0	
359	Residence	Non-Participating	550569.94	4754927.90	28	42	31	28	24	27	24	15	0	0	
360	Residence	Non-Participating	550593.65	4754938.80	28	42	31	27	24	27	24	14	0	0	
361	Residence	Non-Participating	550614.53	4754943.30	27	42	31	27	24	27	23	14	0	0	
362	Residence	Non-Participating	550635.87	4754950.52	27	41	31	27	24	27	23	14	0	0	
363	Residence	Non-Participating	550661.03	4754960.54	27	41	31	27	23	27	23	13	0	0	
364	Residence	Non-Participating	550566.67	4754968.96	28	42	31	27	24	27	24	15	0	0	
365	Residence	Non-Participating	550588.92	4754977.80	28	41	31	27	24	27	24	15	0	0	
367	Residence	Non-Participating	550163.82	4755713.22	27	45	34	25	21	26	24	13	0	0	
370	Residence	Non-Participating	549894.89	4755626.38	28	45	35	26	22	27	26	15	0	0	
371	Residence	Non-Participating	549908.67	4755667.97	29	47	36	26	22	28	26	16	0	0	
372	Residence	Non-Participating	549865.81	4755607.45	29	45	35	26	22	27	26	15	0	0	
373	Residence	Non-Participating	549852.45	4755533.47	28	44	33	26	22	27	24	14	0	0	
374	Residence	Non-Participating	549774.54	4755556.47	27	43	33	26	22	26	24	14	0	0	
376	Residence	Non-Participating	549526.20	4755402.39	28	44	34	26	23	27	25	16	0	0	
377	Residence	Non-Participating	549490.82	4755370.60	29	44	34	26	23	28	26	16	0	0	
378	Residence	Non-Participating	549348.85	4755236.33	28	43	32	27	23	27	25	15	0	0	
379	Residence	Non-Participating	548981.38	4754313.49	32	44	34	30	27	31	29	22	7	0	
380	Residence	Non-Participating	549233.49	4754417.60	30	45	34	30	26	29	26	20	4	0	
381	Residence	Non-Participating	548351.04	4754688.66	29	45	35	26	23	28	27	18	0	0	
382	Residence	Non-Participating	548524.96	4754025.22	24	42	31	27	22	24	20	11	0	0	
383	Residence	Non-Participating	548435.67	4753966.26	25	42	31	26	22	25	20	12	0	0	
384	Residence	Non-Participating	548388.96	4753886.51	25	42	31	26	22	25	21	12	0	0	
385	Residence	Non-Participating	547889.56	4754422.75	29	46	35	26	22	28	27	18	0	0	
386	Residence	Non-Participating	547594.46	4754197.17	28	45	35	25	21	27	26	16	0	0	
387	Residence	Non-Participating	547653.89	4754252.46	28	45	34	25	21	27	26	16	0	0	
388	Residence	Non-Participating	547726.87	4754321.39	29	45	35	25	21	27	26	17	0	0	
389	Residence	Non-Participating	549033.25	4751956.98	26	43	33	26	23	26	23	11	0	0	
390	Residence	Non-Participating	549022.33	4751492.26	26	44	33	26	22	26	23	12	0	0	
391	Residence	Non-Participating	549249.43	4751270.26	28	45	34	26	22	27	25	16	0	0	
393	Residence	Non-Participating	551158.81	4749264.64	31	44	33	28	24	30	28	20	0	0	
394	Residence	Non-Participating	553410.52	4748301.00	26	44	33	26	21	25	22	9	0	0	
395	Residence	Non-Participating	553233.41	4748367.33	27	45	34	26	22	26	24	11	0	0	
396	Residence	Non-Participating	553375.92	4748408.61	27	45	35	26	22	27	24	13	0	0	
397	Residence	Non-Participating	553293.94	4748530.05	28	46	35	27	23	27	25	13	0	0	
398	Residence	Non-Participating	553288.85	4748783.36	31	48	37	29	25	30	28	19	0	0	
399	Residence	Non-Participating	556001.32	4750730.56	35	47	36	31	28	33	31	25	9	0	
400	Residence	Non-Participating	553185.76	4750210.79	40	54	43	36	33	38	37	30	14	0	
401	Residence	Non-Participating	552349.44	4754129.23	22	40	30	26	21	23	17	0	0	0	
403	Residence	Non-Participating	552185.69	4752390.38	34	51	41	32	28	33	32	22	0	0	
406	Residence	Non-Participating	550429.90	4752241.65	34	50	39	31	28	33	31	23	6	0	
407	Residence	Non-Participating	551434.85	4748588.34	25	43	33	26	21	25	21	7	0	0	
408	Residence	Non-Participating	551509.51	4748562.13	25	43	33	26	21	25	21	7	0	0	

Table 7-4.2a: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
409	Residence	Non-Participating	552894.34	4749050.10	31	44	34	29	27	30	28	20	0	0	
410	Residence	Non-Participating	552986.65	4749028.41	31	44	33	28	26	30	27	19	0	0	
411	Residence	Non-Participating	553028.58	4749044.41	31	44	33	28	26	30	27	19	0	0	
412	Residence	Non-Participating	553104.89	4749100.81	32	45	35	29	27	31	29	21	0	0	
413	Residence	Non-Participating	553366.60	4749180.10	30	44	33	29	25	30	27	18	0	0	
414	Residence	Non-Participating	553423.99	4749256.20	33	48	38	30	26	32	30	22	0	0	
415	Residence	Non-Participating	553448.37	4749428.97	31	47	36	30	27	30	28	19	0	0	
416	Residence	Non-Participating	553410.82	4749414.98	31	47	36	30	27	30	28	19	0	0	
417	Residence	Non-Participating	553406.67	4749443.81	31	45	35	30	27	30	27	18	0	0	
418	Residence	Non-Participating	553431.75	4749567.75	34	49	39	32	28	33	31	22	2	0	
419	Residence	Non-Participating	553626.20	4749451.77	32	48	38	30	27	31	29	20	0	0	
420	Residence	Non-Participating	553634.19	4749471.79	32	48	38	30	27	31	29	21	0	0	
421	Residence	Non-Participating	553643.57	4749489.52	32	49	38	30	27	31	29	21	0	0	
422	Residence	Non-Participating	553407.05	4749773.65	36	52	41	34	30	35	33	26	8	0	
423	Residence	Non-Participating	553983.54	4749933.68	38	52	41	34	30	35	34	30	16	0	
424	Residence	Non-Participating	555173.49	4750134.49	37	50	39	32	30	35	34	28	10	0	
425	Residence	Non-Participating	555207.56	4750221.59	38	50	40	33	31	36	35	29	13	0	
426	Residence	Non-Participating	555338.78	4750321.81	38	51	40	34	31	36	35	30	14	0	
427	Residence	Non-Participating	555349.53	4750479.06	39	51	40	35	33	38	36	30	17	0	
428	Residence	Non-Participating	555438.17	4750536.27	40	52	41	36	34	39	36	31	20	0	
429	Residence	Non-Participating	555846.23	4750675.55	38	49	38	33	31	36	34	29	17	0	
430	Residence	Non-Participating	554878.22	4751320.86	40	53	43	36	32	38	37	31	16	0	
431	Residence	Non-Participating	554716.98	4751199.68	39	52	41	36	33	37	35	29	16	0	
432	Residence	Non-Participating	554651.09	4751173.01	40	53	42	37	33	38	37	31	18	0	
433	Residence	Non-Participating	554439.15	4751098.15	40	53	42	37	33	38	37	31	18	0	
435	Residence	Non-Participating	554221.22	4750614.26	40	53	42	36	33	38	36	30	14	0	
436	Residence	Non-Participating	554071.16	4750539.40	40	53	42	36	34	39	37	31	17	0	
437	Residence	Non-Participating	553198.23	4750221.86	40	54	43	36	33	38	37	30	14	0	
438	Residence	Non-Participating	552630.81	4749781.96	34	49	38	33	30	33	31	23	7	0	
439	Residence	Non-Participating	552139.68	4749540.13	36	50	39	32	29	35	34	26	3	0	
440	Residence	Non-Participating	551342.64	4749649.80	30	46	35	29	25	30	27	18	2	0	
441	Residence	Non-Participating	551641.64	4749636.40	32	48	37	30	26	31	28	19	0	0	
442	Residence	Non-Participating	551984.34	4749770.31	35	49	39	32	28	33	31	23	0	0	
443	Residence	Non-Participating	551945.18	4749889.18	35	51	40	33	30	34	32	25	8	0	
444	Residence	Non-Participating	551920.47	4749921.68	35	50	39	33	29	34	31	24	5	0	
445	Residence	Non-Participating	551849.72	4749991.56	38	52	41	35	31	36	35	28	16	0	
446	Residence	Non-Participating	551698.69	4750089.38	38	52	41	36	33	37	34	28	17	0	
447	Residence	Non-Participating	551676.72	4750130.29	38	51	41	36	33	37	35	29	17	0	
448	Residence	Non-Participating	551657.14	4750165.55	38	51	41	36	33	37	35	29	18	0	
451	Residence	Non-Participating	551533.62	4750503.47	38	53	42	36	33	37	35	29	14	0	
452	Residence	Non-Participating	551597.12	4750545.03	40	54	43	37	33	38	36	30	16	0	
455	Residence	Non-Participating	552736.48	4751255.66	40	54	43	36	33	38	37	30	16	0	
456	Residence	Non-Participating	552769.86	4751277.02	40	54	43	36	33	38	37	30	15	0	
457	Residence	Non-Participating	552830.19	4751320.02	40	54	44	36	33	38	37	30	12	0	
458	Residence	Non-Participating	553436.51	4751759.80	39	53	43	34	31	37	36	29	5	0	
459	Residence	Non-Participating	553506.02	4751738.27	39	53	43	34	31	37	37	29	7	0	
460	Residence	Non-Participating	553483.84	4751851.04	38	53	43	34	31	36	36	28	5	0	
461	Residence	Non-Participating	553735.55	4751741.11	40	53	42	35	32	38	37	31	15	0	
462	Residence	Non-Participating	553602.95	4751849.63	39	53	42	35	32	37	36	29	8	0	
463	Residence	Non-Participating	553679.93	4751877.58	39	53	44	36	32	38	36	29	10	0	
464	Residence	Non-Participating	553955.49	4751998.63	40	53	44	38	34	38	36	30	15	0	
465	Residence	Non-Participating	554013.92	4752018.30	40	54	45	39	35	39	37	30	18	0	
466	Residence	Non-Participating	554330.16	4752045.99	39	52	43	38	34	37	35	29	15	0	
467	Residence	Non-Participating	554385.45	4752105.59	39	52	43	38	34	38	36	29	16	0	
468	Residence	Non-Participating	554996.21	4752983.11	38	50	40	34	32	36	34	30	21	0	
469	Residence	Non-Participating	552463.19	4751826.01	40	54	44	35	32	38	37	30	15	0	
470	Residence	Non-Participating	552415.86	4751905.24	39	54	43	35	31	37	36	29	13	0	
471	Residence	Non-Participating	552384.43	4751953.62	39	54	43	34	31	37	36	30	13	0	
472	Residence	Non-Participating	550864.41	4750895.54	35	52	42	32	29	34	33	24	0	0	
473	Residence	Non-Participating	550437.71	4750644.56	32	48	38	30	27	31	28	18	0	0	
474	Residence	Non-Participating	550416.04	4750554.30	30	48	37	29	25	29	27	16	0	0	
475	Residence	Non-Participating	550486.99	4750502.42	31	48	37	29	26	30	27	17	0	0	
476	Residence	Non-Participating	550994.06	4751341.10	38	54	43	35	31	36	35	28	11	0	
477	Residence	Non-Participating	550857.25	4751368.13	37	52	41	34	31	35	34	28	13	0	
478	Residence	Non-Participating	550757.63	4751376.95	37	50	39	34	31	36	34	29	18	0	
479	Residence	Non-Participating	550696.17	4751558.34	34	48	37	32	29	33	31	25	11	0	
480	Residence	Non-Participating	550539.97	4751547.18	39	52	41	34	30	36	36	32	20	0	
481	Residence	Non-Participating	550327.91	4751516.47	39	52	42	35	30	37	36	32	20	0	
482	Residence	Non-Participating	550699.44	4751654.52	36	51	40	33	29	34	33	27	11	0	
483	Residence	Non-Participating	550669.44	4752004.85	36	51	41	32	29	34	33	25	6	0	
484	Residence	Non-Participating	550340.44	4752119.24	37	52	41	33	29	34	34	27	12	0	
485	Residence	Non-Participating	550406.61	4752193.43	34	50	39	31	28	32	30	22	5	0	
487	Residence	Non-Participating	550360.85	4752323.22	39	53	42	34	30	36	36	31	19	0	
488	Residence	Non-Participating	548909.80	4752806.39	27	41	31	27	23	26	23	13	0	0	
489	Residence	Non-Participating	548923.84	4752923.85	28	42	31	28	24	28	24	16	0	0	
490	Residence	Non-Participating	549715.75	4753011.53	36	50	39	32	29	34	33	27	10	0	
491	Residence	Non-Participating	549604.03	4752964.13	36	50	39	31	28	34	33	27	11	0	
497	Residence	Non-Participating	548989.32	4753277.25	34	48	37	31	27	32	31	25	9	0	
498	Residence	Non-Participating	549058.44	4753446.84	35	48	38	32	28	33	32	26	10	0	
502	Residence	Non-Participating	548729.84	4754058.42	39	51	41	34	29	35	36	31	20	0	
504	Residence	Non-Participating	550230.99	4755026.90	28	42	31	27	24	27	24	16	0	0	
506	Residence	Non-Participating	554124.52	4753973.59	23	42	31	27	22	23	17	1	0	0	
507	Residence	Non-Participating	553340.55	4754775.59	18	37	27	24	18	19	11	0	0	0	
508	Residence	Non-Participating	553428.98	4754722.48	18	37	27	24	18	19	11	0	0	0	
509	Residence	Non-Participating	553925.35	4749375.44	30	48	37	29	25	29	27	17	0	0	
510	Residence	Non-Participating	553979.22	4749434.62	32	48	38	30	26	31	29	20	0	0	
511	Residence	Non-Participating	554959.74	4749921.85	34	47	37	31	28	32	31	24	4	0	
512	Residence	Non-Participating	555076.34	4749863.02	33	46	36	30	27	31	30	22	1	0	
514	Residence	Non-Participating	549153.02	4751377.72	27	44	34	26	22	26	24	14	0	0	

Table 7-4.2a: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
515	Residence	Non-Participating	548917.85	4751629.91	26	43	33	26	22	25	22	10	0	0
516	Residence	Non-Participating	549152.91	4751526.35	27	44	34	26	22	27	24	14	0	0
517	Residence	Non-Participating	549314.70	4755280.09	28	43	33	26	23	27	25	15	0	0
518	Residence	Non-Participating	549706.22	4755534.47	27	44	33	26	22	27	24	14	0	0
519	Residence	Non-Participating	549942.05	4755557.33	27	43	33	26	22	26	24	14	0	0
Summary of Maximum and Minimum Sound Levels														
436	Residence	Non-Participating	554071.16	4750539.40	40	53	42	36	34	39	37	31	17	0
214	Residence	Non-Participating	553878.98	4754211.48	18	37	27	24	18	19	12	0	0	0

Table 7-4.2b: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
436	Residence	Non-Participating	554071.16	4750539.40	40	53	42	36	34	39	37	31	17	0	
456	Residence	Non-Participating	552769.86	4751277.02	40	54	43	36	33	38	37	30	15	0	
461	Residence	Non-Participating	553735.55	4751741.11	40	53	42	35	32	38	37	31	15	0	
465	Residence	Non-Participating	554013.92	4752018.30	40	54	45	39	35	39	37	30	18	0	
428	Residence	Non-Participating	555438.17	4750536.27	40	52	41	36	34	39	36	31	20	0	
432	Residence	Non-Participating	554651.09	4751173.01	40	53	42	37	33	38	37	31	18	0	
455	Residence	Non-Participating	552736.48	4751255.66	40	54	43	36	33	38	37	30	16	0	
137	Residence	Non-Participating	551242.05	4752107.85	40	53	43	34	30	37	37	31	16	0	
433	Residence	Non-Participating	554439.15	4751098.15	40	53	42	37	33	38	37	31	18	0	
400	Residence	Non-Participating	553185.76	4750210.79	40	54	43	36	33	38	37	30	14	0	
102	Residence	Non-Participating	552906.80	4751355.90	40	54	44	35	32	38	37	30	10	0	
457	Residence	Non-Participating	552830.19	4751320.02	40	54	44	36	33	38	37	30	12	0	
437	Residence	Non-Participating	553198.23	4750221.86	40	54	43	36	33	38	37	30	14	0	
430	Residence	Non-Participating	554878.22	4751320.86	40	53	43	36	32	38	37	31	16	0	
452	Residence	Non-Participating	551597.12	4750545.03	40	54	43	37	33	38	36	30	16	0	
469	Residence	Non-Participating	552463.19	4751826.01	40	54	44	35	32	38	37	30	15	0	
464	Residence	Non-Participating	553955.49	4751998.63	40	53	44	38	34	38	36	30	15	0	
135	Residence	Non-Participating	554218.74	4750619.62	40	53	42	36	33	38	36	30	14	0	
435	Residence	Non-Participating	554221.22	4750614.26	40	53	42	36	33	38	36	30	14	0	
143	Residence	Non-Participating	549935.88	4752984.91	39	53	43	34	31	36	37	31	18	0	
463	Residence	Non-Participating	553679.93	4751877.58	39	53	44	36	32	38	36	29	10	0	
481	Residence	Non-Participating	550327.91	4751516.47	39	52	42	35	30	37	36	32	20	0	
459	Residence	Non-Participating	553506.02	4751738.27	39	53	43	34	31	37	37	29	7	0	
140	Residence	Non-Participating	550126.31	4753026.88	39	53	43	34	31	37	36	31	17	0	
467	Residence	Non-Participating	554385.45	4752105.59	39	52	43	38	34	38	36	29	16	0	
462	Residence	Non-Participating	553602.95	4751849.63	39	53	42	35	32	37	36	29	8	0	
471	Residence	Non-Participating	552384.43	4751953.62	39	54	43	34	31	37	36	30	13	0	
427	Residence	Non-Participating	555349.53	4750479.06	39	51	40	35	33	38	36	30	17	0	
470	Residence	Non-Participating	552415.86	4751905.24	39	54	43	35	31	37	36	29	13	0	
458	Residence	Non-Participating	553436.51	4751759.80	39	53	43	34	31	37	36	29	5	0	
480	Residence	Non-Participating	550539.97	4751547.18	39	52	41	34	30	36	36	32	20	0	
431	Residence	Non-Participating	554716.98	4751199.68	39	52	41	36	33	37	35	29	16	0	
487	Residence	Non-Participating	550360.85	4752323.22	39	53	42	34	30	36	36	31	19	0	
466	Residence	Non-Participating	554330.16	4752045.99	39	52	43	38	34	37	35	29	15	0	
502	Residence	Non-Participating	548729.84	4754058.42	39	51	41	34	29	35	36	31	20	0	
287	Residence	Non-Participating	550612.74	4753448.90	39	53	43	34	29	36	36	30	12	0	
451	Residence	Non-Participating	551533.62	4750503.47	38	53	42	36	33	37	35	29	14	0	
92	Residence	Non-Participating	551525.79	4750504.83	38	52	42	36	33	37	35	29	14	0	
426	Residence	Non-Participating	555338.78	4750321.81	38	51	40	34	31	36	35	30	14	0	
476	Residence	Non-Participating	550994.06	4751341.10	38	54	43	35	31	36	35	28	11	0	
448	Residence	Non-Participating	551657.14	4750165.55	38	51	41	36	33	37	35	29	18	0	
460	Residence	Non-Participating	553483.84	4751851.04	38	53	43	34	31	36	36	28	5	0	
49	Residence	Non-Participating	552215.88	4749784.96	38	51	40	33	30	36	36	29	10	0	
447	Residence	Non-Participating	551676.72	4750130.29	38	51	41	36	33	37	35	29	17	0	
468	Residence	Non-Participating	554996.21	4752983.11	38	50	40	34	32	36	34	30	21	0	
65	Residence	Non-Participating	555326.36	4750299.14	38	51	40	33	31	36	35	29	14	0	
425	Residence	Non-Participating	555207.56	4750221.59	38	50	40	33	31	36	35	29	13	0	
446	Residence	Non-Participating	551698.69	4750089.38	38	52	41	36	33	37	34	28	17	0	
423	Residence	Non-Participating	553983.54	4749933.68	38	52	41	34	30	35	34	30	16	0	
133	Residence	Non-Participating	555139.23	4751628.39	38	51	42	34	30	36	35	28	11	0	
138	Residence	Non-Participating	551321.25	4752157.29	38	53	43	33	29	35	35	28	10	0	
445	Residence	Non-Participating	551849.72	4749991.56	38	52	41	35	31	36	35	28	16	0	
429	Residence	Non-Participating	555846.23	4750675.55	38	49	38	33	31	36	34	29	17	0	
132	Residence	Non-Participating	555052.74	4751624.77	38	51	42	34	30	36	35	28	10	0	
478	Residence	Non-Participating	550757.63	4751376.95	37	50	39	34	31	36	34	29	18	0	
424	Residence	Non-Participating	555173.49	4750134.49	37	50	39	32	30	35	34	28	10	0	
161	Residence	Non-Participating	549887.58	4751157.10	37	50	40	31	28	34	34	29	13	0	
477	Residence	Non-Participating	550857.25	4751368.13	37	52	41	34	31	35	34	28	13	0	
144	Residence	Non-Participating	549937.57	4753015.22	37	52	41	33	30	35	34	28	12	0	
131	Residence	Non-Participating	555071.83	4751700.54	37	51	41	34	30	35	34	27	7	0	
145	Residence	Non-Participating	549792.45	4752980.70	37	51	40	33	30	35	33	28	13	0	
125	Residence	Non-Participating	555278.06	4752246.63	37	50	40	33	29	35	34	27	10	0	
484	Residence	Non-Participating	550340.44	4752119.24	37	52	41	33	29	34	34	27	12	0	
141	Residence	Non-Participating	550260.97	4753028.28	36	52	42	33	29	35	34	26	7	0	
491	Residence	Non-Participating	549604.03	4752964.13	36	50	39	31	28	34	33	27	11	0	
439	Residence	Non-Participating	552139.68	4749540.13	36	50	39	32	29	35	34	26	3	0	
68	Residence	Non-Participating	555137.11	4750029.20	36	49	38	32	29	34	33	26	7	0	
171	Residence	Non-Participating	548083.96	4753456.92	36	49	39	31	26	33	33	29	16	0	
482	Residence	Non-Participating	550699.44	4751654.52	36	51	40	33	29	34	33	27	11	0	
422	Residence	Non-Participating	553407.05	4749773.65	36	52	41	34	30	35	33	26	8	0	
128	Residence	Non-Participating	555111.42	4752030.41	36	49	40	33	30	34	33	26	5	0	
490	Residence	Non-Participating	549715.75	4753011.53	36	50	39	32	29	34	33	27	10	0	
129	Residence	Non-Participating	555109.17	4751999.69	36	49	40	33	30	34	33	25	4	0	
50	Residence	Non-Participating	552030.15	4749782.86	36	50	39	32	29	34	33	25	3	0	
483	Residence	Non-Participating	550669.44	4752004.85	36	51	41	32	29	34	33	25	6	0	
51	Residence	Non-Participating	552019.77	4749712.13	36	50	39	32	29	34	33	25	2	0	
124	Residence	Non-Participating	555303.73	4752278.93	36	50	40	33	28	34	33	26	9	0	
200	Residence	Non-Participating	555951.70	4751023.36	36	47	37	31	28	34	33	27	8	0	
127	Residence	Non-Participating	555150.42	4752043.77	36	49	40	33	30	34	32	25	4	0	
472	Residence	Non-Participating	550864.41	4750895.54	35	52	42	32	29	34	33	24	0	0	
443	Residence	Non-Participating	551945.18	4749889.18	35	51	40	33	30	34	32	25	8	0	
199	Residence	Non-Participating	555988.86	4750901.93	35	45	35	31	28	34	32	26	8	0	
48	Residence	Non-Participating	552422.18	4749780.50	35	46	36	32	30	34	32	26	9	0	
498	Residence	Non-Participating	549058.44	4753446.84	35	48	38	32	28	33	32	26	10	0	
62	Residence	Non-Participating	555117.84	4749958.10	35	48	38	31	28	33	32	25	5	0	
130	Residence	Non-Participating	555181.62	4751872.74	35	50	40	33	29	34	32	24	1	0	
285	Residence	Non-Participating	551076.05	4754225.02	35	51	40	31	27	33	32	25	1	0	
444	Residence	Non-Participating	551920.47	4749921.68	35	50	39	33	29	34	31	24	5	0	
399	Residence	Non-Participating	556001.32	4750730.56	35	47	36	31	28	33	31	25	9	0	

Table 7-4.2b: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
442	Residence	Non-Participating	551984.34	4749770.31	35	49	39	32	28	33	31	23	0	0	
403	Residence	Non-Participating	552185.69	4752390.38	34	51	41	32	28	33	32	22	0	0	
47	Residence	Non-Participating	552629.05	4749782.74	34	49	38	33	30	33	31	23	7	0	
438	Residence	Non-Participating	552630.81	4749781.96	34	49	38	33	30	33	31	23	7	0	
479	Residence	Non-Participating	550696.17	4751558.34	34	48	37	32	29	33	31	25	11	0	
497	Residence	Non-Participating	548989.32	4753277.25	34	48	37	31	27	32	31	25	9	0	
284	Residence	Non-Participating	551130.26	4754363.27	34	51	40	30	26	32	32	24	0	0	
511	Residence	Non-Participating	554959.74	4749921.85	34	47	37	31	28	32	31	24	4	0	
418	Residence	Non-Participating	553431.75	4749567.75	34	49	39	32	28	33	31	22	2	0	
406	Residence	Non-Participating	550429.90	4752241.65	34	50	39	31	28	33	31	23	6	0	
126	Residence	Non-Participating	555310.17	4752191.86	34	48	39	32	28	33	30	22	2	0	
485	Residence	Non-Participating	550406.61	4752193.43	34	50	39	31	28	32	30	22	5	0	
123	Residence	Non-Participating	555314.75	4752326.25	34	48	39	32	28	32	30	22	4	0	
52	Residence	Non-Participating	551922.97	4749679.16	34	49	39	32	28	32	30	22	0	0	
139	Residence	Non-Participating	551778.30	4752503.24	33	51	40	31	27	32	31	21	0	0	
283	Residence	Non-Participating	551159.96	4754397.83	33	50	39	29	25	32	31	23	0	0	
120	Residence	Non-Participating	555411.38	4752429.78	33	47	38	31	28	32	30	22	4	0	
414	Residence	Non-Participating	553423.99	4749256.20	33	48	38	30	26	32	30	22	0	0	
121	Residence	Non-Participating	553444.52	4752334.26	33	47	38	31	28	32	29	21	1	0	
122	Residence	Non-Participating	555389.22	4752260.79	33	47	38	31	28	32	29	21	0	0	
512	Residence	Non-Participating	555076.34	4749863.02	33	46	36	30	27	31	30	22	1	0	
166	Residence	Non-Participating	550334.30	4750631.75	33	47	36	30	27	31	29	22	6	0	
203	Residence	Non-Participating	556113.31	4751586.41	33	49	39	29	25	31	30	21	0	0	
10	Residence	Non-Participating	553620.51	4749511.82	32	49	38	31	27	31	29	21	0	0	
421	Residence	Non-Participating	553643.57	4749489.52	32	49	38	30	27	31	29	21	0	0	
202	Residence	Non-Participating	556123.54	4751443.61	32	47	38	29	26	31	29	21	0	0	
510	Residence	Non-Participating	553979.22	4749434.62	32	48	38	30	26	31	29	20	0	0	
379	Residence	Non-Participating	548981.38	4754313.49	32	44	34	30	27	31	29	22	7	0	
420	Residence	Non-Participating	553634.19	4749471.79	32	48	38	30	27	31	29	21	0	0	
419	Residence	Non-Participating	553626.20	4749451.77	32	48	38	30	27	31	29	20	0	0	
119	Residence	Non-Participating	555506.35	4752425.23	32	47	38	31	27	31	29	20	0	0	
60	Residence	Non-Participating	555054.50	4749780.10	32	46	35	30	26	31	29	21	0	0	
412	Residence	Non-Participating	553104.89	4749100.81	32	45	35	29	27	31	29	21	0	0	
18	Residence	Non-Participating	553475.99	4749272.63	32	47	37	30	26	31	29	20	0	0	
473	Residence	Non-Participating	550437.71	4750644.56	32	48	38	30	27	31	28	18	0	0	
204	Residence	Non-Participating	556134.21	4751708.14	32	48	38	29	25	30	29	19	0	0	
16	Residence	Non-Participating	553442.39	4749486.27	32	47	36	31	27	31	28	20	0	0	
42	Residence	Non-Participating	554111.63	4749466.61	32	48	38	29	26	30	28	20	0	0	
55	Residence	Non-Participating	551325.67	4749478.65	32	46	35	29	26	30	28	21	3	0	
59	Residence	Non-Participating	555115.67	4749759.00	32	45	35	29	26	30	28	20	0	0	
441	Residence	Non-Participating	551641.64	4749636.40	32	48	37	30	26	31	28	19	0	0	
12	Residence	Non-Participating	553577.66	4749441.54	32	48	37	30	26	31	28	19	0	0	
11	Residence	Non-Participating	553607.06	4749417.70	31	48	37	30	26	31	28	19	0	0	
14	Residence	Non-Participating	553571.47	4749430.18	31	48	37	30	26	30	28	19	0	0	
15	Residence	Non-Participating	553564.27	4749411.72	31	48	37	30	26	30	28	19	0	0	
416	Residence	Non-Participating	553410.82	4749414.98	31	47	36	30	27	30	28	19	0	0	
13	Residence	Non-Participating	553598.26	4749409.09	31	48	37	30	26	30	28	19	0	0	
54	Residence	Non-Participating	551570.52	4749612.37	31	47	37	30	27	31	28	19	0	0	
46	Residence	Non-Participating	554332.74	4749485.43	31	48	37	29	26	30	28	19	0	0	
24	Residence	Non-Participating	553574.39	4749309.19	31	47	37	30	26	30	28	18	0	0	
415	Residence	Non-Participating	553448.37	4749428.97	31	47	36	30	27	30	28	19	0	0	
118	Residence	Non-Participating	555768.28	4753061.32	31	45	36	28	24	29	28	21	0	0	
398	Residence	Non-Participating	553288.85	4748783.36	31	48	37	29	25	30	28	19	0	0	
104	Residence	Non-Participating	555583.14	4753304.80	31	45	35	28	24	28	29	22	0	0	
409	Residence	Non-Participating	552894.34	4749050.10	31	44	34	29	27	30	28	20	0	0	
29	Residence	Non-Participating	553708.92	4749353.07	31	48	37	30	26	30	28	18	0	0	
23	Residence	Non-Participating	553561.73	4749272.69	31	47	37	30	26	30	28	18	0	0	
37	Residence	Non-Participating	553931.34	4749411.71	31	48	37	29	26	30	28	18	0	0	
44	Residence	Non-Participating	554179.52	4749443.30	31	48	38	29	26	30	28	18	0	0	
117	Residence	Non-Participating	555773.78	4753104.10	31	44	36	28	24	29	28	21	0	0	
36	Residence	Non-Participating	553848.75	4749390.38	31	48	37	30	26	30	28	18	0	0	
39	Residence	Non-Participating	553977.57	4749391.48	31	48	37	29	25	30	28	18	0	0	
34	Residence	Non-Participating	553815.53	4749386.41	31	48	37	30	26	30	28	18	0	0	
28	Residence	Non-Participating	553710.71	4749317.74	31	48	37	29	26	30	28	17	0	0	
205	Residence	Non-Participating	556213.27	4751774.05	31	48	38	29	25	30	28	18	0	0	
116	Residence	Non-Participating	555779.75	4753123.68	31	44	35	28	24	29	28	21	0	0	
393	Residence	Non-Participating	551158.81	4749264.64	31	44	33	28	24	30	28	20	0	0	
410	Residence	Non-Participating	552986.65	4749028.41	31	44	33	28	26	30	27	19	0	0	
411	Residence	Non-Participating	553028.58	4749044.41	31	44	33	28	26	30	27	19	0	0	
27	Residence	Non-Participating	553684.46	4749312.08	31	47	37	29	26	30	27	17	0	0	
115	Residence	Non-Participating	555778.80	4753155.10	31	44	35	28	24	29	28	20	0	0	
276	Residence	Non-Participating	551187.73	4754744.47	31	47	37	28	24	29	28	19	0	0	
475	Residence	Non-Participating	550486.99	4750502.42	31	48	37	29	26	30	27	17	0	0	
32	Residence	Non-Participating	553786.39	4749339.35	31	48	37	29	25	30	27	17	0	0	
25	Residence	Non-Participating	553620.54	4749291.76	31	47	36	29	26	30	27	18	0	0	
33	Residence	Non-Participating	553810.04	4749348.12	31	48	37	29	25	30	27	17	0	0	
40	Residence	Non-Participating	554030.09	4749404.59	31	48	37	29	25	30	27	18	0	0	
41	Residence	Non-Participating	554080.42	4749417.44	31	48	37	29	25	30	27	18	0	0	
275	Residence	Non-Participating	551203.01	4754740.23	31	47	37	28	24	29	28	19	0	0	
417	Residence	Non-Participating	553406.67	4749443.81	31	45	35	30	27	30	27	18	0	0	
38	Residence	Non-Participating	553960.01	4749383.92	31	48	37	29	25	30	27	18	0	0	
114	Residence	Non-Participating	555789.17	4753164.20	31	44	35	28	24	29	28	20	0	0	
110	Residence	Non-Participating	555817.29	4753094.52	31	44	35	28	24	29	28	20	0	0	
35	Residence	Non-Participating	553842.45	4749353.44	30	48	37	29	25	30	27	17	0	0	
105	Residence	Non-Participating	555670.69	4753147.71	30	45	36	29	24	29	27	20	0	0	
109	Residence	Non-Participating	555811.87	4753134.94	30	44	35	28	24	29	28	20	0	0	
206	Residence	Non-Participating	556224.65	4751815.69	30	48	37	28	24	29	28	17	0	0	
440	Residence	Non-Participating	551342.64	4749649.80	30	46	35	29	25	30	27	18	2	0	
56	Residence	Non-Participating	554794.56	4749621.54	30	46	35	29	26	30	27	18	0	0	

Table 7-4.2b: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
30	Residence	Non-Participating	553730.45	4749320.50	30	48	37	29	25	29	27	17	0	0
380	Residence	Non-Participating	549233.49	4754417.60	30	45	34	30	26	29	26	20	4	0
201	Residence	Non-Participating	556299.02	4751489.59	30	47	37	29	24	29	27	18	0	0
413	Residence	Non-Participating	553366.60	4749180.10	30	44	33	29	25	30	27	18	0	0
509	Residence	Non-Participating	553925.35	4749375.44	30	48	37	29	25	29	27	17	0	0
43	Residence	Non-Participating	554143.66	4749432.07	30	47	36	29	25	29	27	18	0	0
66	Residence	Non-Participating	553499.88	4749228.65	30	46	35	29	25	29	27	17	0	0
107	Residence	Non-Participating	555822.18	4753188.69	30	44	35	28	24	28	27	19	0	0
474	Residence	Non-Participating	550416.04	4750554.30	30	48	37	29	25	29	27	16	0	0
57	Residence	Non-Participating	554895.30	4749569.97	30	44	34	28	25	29	27	17	0	0
194	Residence	Non-Participating	555802.43	4749877.62	30	45	35	28	25	29	27	18	0	0
58	Residence	Non-Participating	555200.32	4749639.45	30	45	35	29	25	29	26	17	0	0
111	Residence	Non-Participating	555867.13	4753181.53	30	44	35	28	24	28	27	19	0	0
190	Residence	Non-Participating	555384.61	4749593.85	30	45	35	28	24	29	26	17	0	0
381	Residence	Non-Participating	548351.04	4754688.66	29	45	35	26	23	28	27	18	0	0
165	Residence	Non-Participating	550125.18	4750414.06	29	46	35	28	24	29	26	16	0	0
385	Residence	Non-Participating	547889.56	4754422.75	29	46	35	26	22	28	27	18	0	0
371	Residence	Non-Participating	549908.67	4755667.97	29	47	36	26	22	28	26	16	0	0
103	Residence	Non-Participating	555414.87	4753215.13	29	41	31	28	24	28	25	18	1	0
168	Residence	Non-Participating	552058.11	4752751.95	29	47	36	29	25	29	25	12	0	0
108	Residence	Non-Participating	555791.22	4753184.54	29	44	35	28	24	28	26	18	0	0
21	Residence	Non-Participating	553377.20	4749005.70	29	43	33	28	24	28	25	16	0	0
188	Amish Community	Non-Participating	552549.47	4748962.91	29	42	32	28	24	29	25	16	0	0
241	Residence	Non-Participating	551367.92	4754811.20	29	46	36	27	23	28	26	16	0	0
169	Residence	Non-Participating	552002.82	4752719.44	29	47	36	29	25	29	25	12	0	0
195	Residence	Non-Participating	556384.29	4750316.09	29	44	34	27	24	28	25	16	0	0
272	Residence	Non-Participating	551217.99	4754730.80	29	45	34	27	23	28	26	16	0	0
242	Residence	Non-Participating	551376.12	4754827.93	29	46	35	27	22	28	26	16	0	0
170	Residence	Non-Participating	551987.43	4752753.85	29	46	36	29	25	29	25	11	0	0
244	Residence	Non-Participating	551351.20	4754765.75	29	45	35	27	23	29	26	16	0	0
377	Residence	Non-Participating	549490.82	4755370.60	29	44	34	26	23	28	26	16	0	0
134	Residence	Non-Participating	551914.00	4752906.30	29	47	36	29	25	28	25	10	0	0
20	Residence	Non-Participating	553397.22	4749063.25	29	42	32	28	24	28	25	16	0	0
372	Residence	Non-Participating	549865.81	4755607.45	29	45	35	26	22	27	26	15	0	0
388	Residence	Non-Participating	547726.87	4754321.39	29	45	35	25	21	27	26	17	0	0
191	Residence	Non-Participating	555603.50	4749543.60	28	44	34	28	24	28	25	15	0	0
245	Residence	Non-Participating	551389.48	4754763.51	28	45	35	27	23	27	25	15	0	0
376	Residence	Non-Participating	549526.20	4755402.39	28	44	34	26	23	27	25	16	0	0
370	Residence	Non-Participating	549894.89	4755626.38	28	45	35	26	22	27	26	15	0	0
387	Residence	Non-Participating	547653.89	4754252.46	28	45	34	25	21	27	26	16	0	0
186	Residence	Non-Participating	552195.89	4748808.52	28	45	34	27	24	28	25	14	0	0
146	Residence	Non-Participating	548925.79	4752928.90	28	42	31	28	24	28	25	16	0	0
489	Residence	Non-Participating	548923.84	4752923.85	28	42	31	28	24	28	24	16	0	0
386	Residence	Non-Participating	547594.46	4754197.17	28	45	35	25	21	27	26	16	0	0
96	Residence	Non-Participating	552037.80	4752985.58	28	47	36	29	25	28	24	9	0	0
251	Residence	Non-Participating	551447.80	4754719.49	28	45	35	27	23	27	25	15	0	0
270	Residence	Non-Participating	551210.52	4754698.88	28	43	33	27	23	27	25	15	0	0
271	Residence	Non-Participating	551201.53	4754704.65	28	44	33	27	23	27	25	16	0	0
269	Residence	Non-Participating	551217.45	4754690.70	28	43	33	27	23	27	25	15	0	0
391	Residence	Non-Participating	549249.43	4751270.26	28	45	34	26	22	27	25	16	0	0
397	Residence	Non-Participating	553293.94	4748530.05	28	46	35	27	23	27	25	13	0	0
378	Residence	Non-Participating	549348.85	4755236.33	28	43	32	27	23	27	25	15	0	0
517	Residence	Non-Participating	549314.70	4755280.09	28	43	33	26	23	27	25	15	0	0
266	Residence	Non-Participating	551263.00	4754674.86	28	43	33	27	23	27	25	15	0	0
267	Residence	Non-Participating	551249.46	4754684.68	28	43	33	27	23	27	25	15	0	0
364	Residence	Non-Participating	550566.67	4754968.96	28	42	31	27	24	27	24	15	0	0
106	Residence	Non-Participating	555847.25	4753231.57	28	44	35	28	23	26	25	16	0	0
148	Residence	Non-Participating	548785.85	4752908.45	28	41	31	27	24	27	24	15	0	0
265	Residence	Non-Participating	551273.90	4754673.40	28	43	33	27	23	27	24	15	0	0
365	Residence	Non-Participating	550588.92	4754977.80	28	41	31	27	24	27	24	15	0	0
343	Residence	Non-Participating	550537.49	4754880.60	28	42	32	28	24	27	24	15	0	0
359	Residence	Non-Participating	550569.94	4754927.90	28	42	31	28	24	27	24	15	0	0
504	Residence	Non-Participating	550230.99	4755026.90	28	42	31	27	24	27	24	16	0	0
95	Residence	Non-Participating	551958.41	4753020.24	28	46	35	28	24	28	24	9	0	0
264	Residence	Non-Participating	551288.82	4754671.60	28	43	33	27	23	27	24	15	0	0
360	Residence	Non-Participating	550593.65	4754938.80	28	42	31	27	24	27	24	14	0	0
344	Residence	Non-Participating	550563.03	4754888.12	28	42	31	28	24	27	24	15	0	0
373	Residence	Non-Participating	549852.45	4755533.47	28	44	33	26	22	27	24	14	0	0
94	Residence	Non-Participating	551926.20	4753102.00	27	46	35	28	24	27	23	9	0	0
112	Residence	Non-Participating	555889.77	4753223.55	27	43	35	27	23	26	24	16	0	0
396	Residence	Non-Participating	553375.92	4748408.61	27	45	35	26	22	27	24	13	0	0
516	Residence	Non-Participating	549152.91	4751526.35	27	44	34	26	22	27	24	14	0	0
518	Residence	Non-Participating	549706.22	4755534.47	27	44	33	26	22	27	24	14	0	0
19	Residence	Non-Participating	553488.36	4749190.76	27	43	33	28	24	27	23	12	0	0
163	Residence	Non-Participating	550017.12	4750343.09	27	43	32	27	23	27	24	14	0	0
514	Residence	Non-Participating	549153.02	4751377.72	27	44	34	26	22	26	24	14	0	0
113	Residence	Non-Participating	555913.56	4753195.21	27	43	35	27	23	26	24	15	0	0
185	Residence	Non-Participating	551698.28	4748882.11	27	45	34	27	23	27	24	12	0	0
367	Residence	Non-Participating	550163.82	4755713.22	27	45	34	25	21	26	24	13	0	0
374	Residence	Non-Participating	549774.54	4755556.47	27	43	33	26	22	26	24	14	0	0
519	Residence	Non-Participating	549942.05	4755557.33	27	43	33	26	22	26	24	14	0	0
361	Residence	Non-Participating	550614.53	4754943.30	27	42	31	27	24	27	23	14	0	0
347	Residence	Non-Participating	550581.06	4754892.30	27	42	31	27	24	27	23	14	0	0
362	Residence	Non-Participating	550635.87	4754950.52	27	41	31	27	24	27	23	14	0	0
341	Residence	Non-Participating	550536.56	4754834.20	27	42	31	27	23	27	23	14	0	0
178	Residence	Non-Participating	549374.39	4750383.39	27	44	34	26	21	26	24	13	0	0
273	Residence	Non-Participating	551157.49	4754658.09	27	41	30	27	23	27	23	14	0	0
332	Residence	Non-Participating	550859.79	4754914.95	27	41	30	27	23	27	23	13	0	0
349	Residence	Non-Participating	550606.38	4754901.75	27	42	31	27	23	27	23	14	0	0

Table 7-4.2b: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
313	Residence	Non-Participating	550733.66	4755026.08	27	41	30	27	23	27	23	13	0	0	
363	Residence	Non-Participating	550661.03	4754960.54	27	41	31	27	23	27	23	13	0	0	
312	Residence	Non-Participating	550738.53	4755060.68	27	41	30	27	23	26	23	13	0	0	
164	Residence	Non-Participating	550048.38	4750362.15	27	41	31	27	23	27	23	14	0	0	
193	Residence	Non-Participating	556198.42	4749781.63	27	43	33	27	23	26	23	12	0	0	
395	Residence	Non-Participating	553233.41	4748367.33	27	45	34	26	22	26	24	11	0	0	
246	Residence	Non-Participating	551347.38	4754747.47	27	43	32	26	22	26	23	13	0	0	
314	Residence	Non-Participating	550761.51	4755020.67	27	41	30	27	23	26	23	13	0	0	
326	Residence	Non-Participating	550932.16	4754901.06	27	41	30	27	23	26	23	14	0	0	
334	Residence	Non-Participating	550836.80	4754918.41	27	41	30	27	23	26	23	13	0	0	
340	Residence	Non-Participating	550759.41	4754973.37	27	41	30	27	23	26	23	13	0	0	
351	Residence	Non-Participating	550629.92	4754910.37	27	42	31	27	23	26	23	14	0	0	
311	Residence	Non-Participating	550765.69	4755055.14	27	41	30	26	23	26	23	13	0	0	
315	Residence	Non-Participating	550784.14	4755016.18	27	41	30	27	23	26	23	13	0	0	
316	Residence	Non-Participating	550805.10	4755013.79	27	41	30	27	23	26	23	13	0	0	
330	Residence	Non-Participating	550882.99	4754908.86	27	41	30	27	23	26	23	13	0	0	
331	Residence	Non-Participating	550877.88	4754951.63	27	41	30	27	23	26	23	13	0	0	
333	Residence	Non-Participating	550853.17	4754953.37	27	41	30	27	23	26	23	13	0	0	
335	Residence	Non-Participating	550835.17	4754956.90	27	41	30	27	23	26	23	13	0	0	
336	Residence	Non-Participating	550811.53	4754921.81	27	41	30	27	23	26	23	13	0	0	
339	Residence	Non-Participating	550782.70	4754966.07	27	41	30	27	23	26	23	13	0	0	
342	Residence	Non-Participating	550559.36	4754845.37	27	42	31	27	23	26	23	14	0	0	
352	Residence	Non-Participating	550651.92	4754918.85	27	41	31	27	23	26	23	13	0	0	
328	Residence	Non-Participating	550907.30	4754906.21	27	41	30	27	23	26	23	13	0	0	
147	Residence	Non-Participating	548899.59	4752791.17	27	41	31	27	23	26	23	13	0	0	
488	Residence	Non-Participating	548909.80	4752806.39	27	41	31	27	23	26	23	13	0	0	
310	Residence	Non-Participating	550787.29	4755051.69	27	41	30	26	23	26	23	13	0	0	
317	Residence	Non-Participating	550830.46	4755008.57	27	41	30	26	23	26	23	13	0	0	
318	Residence	Non-Participating	550854.11	4755004.76	27	41	30	26	23	26	23	13	0	0	
324	Residence	Non-Participating	550953.63	4754942.08	27	41	30	26	23	26	23	13	0	0	
327	Residence	Non-Participating	550924.86	4754940.74	27	41	30	26	23	26	23	13	0	0	
329	Residence	Non-Participating	550902.26	4754944.25	27	41	30	26	23	26	23	13	0	0	
337	Residence	Non-Participating	550811.03	4754959.46	27	41	30	27	23	26	23	13	0	0	
356	Residence	Non-Participating	550674.19	4754922.88	27	41	31	27	23	26	23	13	0	0	
358	Residence	Non-Participating	550721.27	4754938.63	27	41	31	27	23	26	23	13	0	0	
277	Residence	Non-Participating	551173.11	4754718.66	27	41	30	27	23	26	23	13	0	0	
309	Residence	Non-Participating	550813.43	4755049.25	27	41	30	26	23	26	23	13	0	0	
70	Residence	Non-Participating	550683.80	4755149.29	27	40	30	26	23	26	23	13	0	0	
308	Residence	Non-Participating	550832.57	4755040.95	27	41	30	26	23	26	23	13	0	0	
319	Residence	Non-Participating	550875.87	4755000.63	27	41	30	26	23	26	23	13	0	0	
320	Residence	Non-Participating	550898.55	4754995.13	27	40	30	26	23	26	23	13	0	0	
338	Residence	Non-Participating	550788.34	4754927.78	27	41	30	27	23	26	23	13	0	0	
345	Residence	Non-Participating	550581.18	4754849.29	27	42	31	27	23	26	23	14	0	0	
357	Residence	Non-Participating	550696.75	4754931.72	27	41	31	27	23	26	23	13	0	0	
196	Residence	Non-Participating	556587.52	4750631.17	26	43	33	27	22	26	23	12	0	0	
268	Residence	Non-Participating	551221.67	4754666.81	26	41	30	27	23	26	23	13	0	0	
274	Residence	Non-Participating	551191.22	4754708.81	26	41	30	27	23	26	23	13	0	0	
307	Residence	Non-Participating	550864.74	4755035.76	26	40	30	26	23	26	23	13	0	0	
346	Residence	Non-Participating	550606.18	4754858.64	26	42	31	27	23	26	23	13	0	0	
390	Residence	Non-Participating	549022.33	4751492.26	26	44	33	26	22	26	23	12	0	0	
149	Residence	Non-Participating	548807.21	4752763.77	26	41	30	27	23	26	22	13	0	0	
288	Residence	Non-Participating	551265.67	4754590.90	26	41	30	26	23	26	23	12	0	0	
321	Residence	Non-Participating	550924.17	4754990.22	26	40	30	26	23	26	23	13	0	0	
322	Residence	Non-Participating	550947.14	4754982.12	26	40	30	26	23	26	23	13	0	0	
306	Residence	Non-Participating	550902.21	4755030.21	26	40	30	26	23	26	23	12	0	0	
325	Residence	Non-Participating	550951.68	4754893.97	26	41	30	26	23	26	22	12	0	0	
389	Residence	Non-Participating	549033.25	4751956.98	26	43	33	26	23	26	22	11	0	0	
323	Residence	Non-Participating	551003.16	4754892.98	26	40	30	26	23	26	22	12	0	0	
71	Residence	Non-Participating	550727.44	4755152.85	26	40	30	26	23	26	22	12	0	0	
305	Residence	Non-Participating	550926.18	4755025.15	26	40	30	26	23	26	22	12	0	0	
348	Residence	Non-Participating	550627.87	4754866.16	26	42	31	27	23	26	22	13	0	0	
354	Residence	Non-Participating	550697.98	4754891.67	26	41	31	27	23	26	22	13	0	0	
355	Residence	Non-Participating	550718.13	4754897.82	26	41	31	27	23	26	22	12	0	0	
174	Residence	Non-Participating	548891.36	4752672.09	26	41	30	27	23	26	22	12	0	0	
350	Residence	Non-Participating	550646.19	4754871.73	26	42	31	27	23	26	22	13	0	0	
353	Residence	Non-Participating	550676.03	4754882.55	26	41	31	27	23	26	22	13	0	0	
98	Residence	Non-Participating	551570.84	4753904.92	26	43	33	27	23	26	22	10	0	0	
99	Residence	Non-Participating	551588.21	4753855.54	26	43	33	27	23	26	22	9	0	0	
258	Residence	Non-Participating	551287.33	4754643.29	26	40	30	26	23	26	22	12	0	0	
278	Residence	Non-Participating	551208.06	4754769.99	26	40	30	26	23	26	22	12	0	0	
72	Residence	Non-Participating	550756.74	4755150.88	26	40	30	26	22	26	22	12	0	0	
160	Residence	Non-Participating	548931.22	4751579.56	26	43	33	26	22	25	23	11	0	0	
192	Residence	Non-Participating	556044.38	4749445.55	26	43	33	26	22	26	22	10	0	0	
197	Residence	Non-Participating	556568.00	4750776.16	26	43	33	27	22	25	22	11	0	0	
175	Residence	Non-Participating	548949.46	4752587.07	26	41	30	26	23	26	22	11	0	0	
100	Residence	Non-Participating	551449.45	4754199.65	26	41	30	27	23	26	22	11	0	0	
150	Residence	Non-Participating	548742.97	4752817.99	26	41	30	26	23	26	22	13	0	0	
282	Residence	Non-Participating	551196.03	4754804.57	26	40	30	26	22	26	22	12	0	0	
515	Residence	Non-Participating	548917.85	4751629.91	26	43	33	26	22	25	22	10	0	0	
255	Residence	Non-Participating	551273.29	4754710.31	26	40	30	26	22	26	22	12	0	0	
257	Residence	Non-Participating	551247.83	4754748.35	26	40	30	26	22	26	22	12	0	0	
281	Residence	Non-Participating	551208.89	4754805.01	26	40	30	26	22	26	22	12	0	0	
256	Residence	Non-Participating	551268.34	4754731.97	26	40	30	26	22	26	22	11	0	0	
198	Residence	Non-Participating	556617.91	4750861.79	26	42	33	26	22	25	22	11	0	0	
236	Residence	Non-Participating	551792.76	4754572.76	26	44	33	26	22	25	22	10	0	0	
280	Residence	Non-Participating	551219.56	4754805.10	26	40	30	26	22	25	22	12	0	0	
394	Residence	Non-Participating	553410.52	4748301.00	26	44	33	26	21	25	22	9	0	0	
235	Residence	Non-Participating	551830.65	4754673.54	26	44	33	26	21	25	22	9	0	0	
279	Residence	Non-Participating	551233.34	4754806.62	26	40	30	26	22	25	22	11	0	0	

Table 7-4.2b: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
249	Residence	Non-Participating	551314.25	4754709.08	26	40	30	26	22	25	22	11	0	0	
248	Residence	Non-Participating	551306.48	4754738.43	25	40	30	26	22	25	21	11	0	0	
152	Residence	Non-Participating	548540.09	4752729.82	25	40	30	26	22	25	21	12	0	0	
250	Residence	Non-Participating	551359.82	4754678.66	25	40	30	26	22	25	21	11	0	0	
247	Residence	Non-Participating	551360.09	4754701.39	25	40	30	26	22	25	21	10	0	0	
254	Residence	Non-Participating	551298.02	4754777.57	25	40	30	26	22	25	21	11	0	0	
292	Residence	Non-Participating	551081.34	4754943.71	25	40	29	26	22	25	21	11	0	0	
184	Residence	Non-Participating	551465.05	4748613.11	25	43	33	26	21	25	21	7	0	0	
253	Residence	Non-Participating	551283.06	4754818.35	25	40	29	26	22	25	21	10	0	0	
261	Residence	Non-Participating	551213.74	4754907.71	25	40	29	25	22	25	21	10	0	0	
158	Residence	Non-Participating	548779.30	4751673.55	25	43	32	25	21	25	21	9	0	0	
159	Residence	Non-Participating	548794.10	4751593.02	25	43	32	25	21	25	21	9	0	0	
408	Residence	Non-Participating	551509.51	4748562.13	25	43	33	26	21	25	21	7	0	0	
252	Residence	Non-Participating	551284.91	4754847.61	25	40	29	26	22	25	21	10	0	0	
262	Residence	Non-Participating	551211.61	4754929.37	25	40	29	25	22	25	21	10	0	0	
260	Residence	Non-Participating	551219.49	4754888.07	25	40	29	25	22	25	21	10	0	0	
263	Residence	Non-Participating	551204.30	4754955.64	25	40	29	25	22	25	21	10	0	0	
259	Residence	Non-Participating	551224.03	4754867.18	25	40	29	25	22	25	21	10	0	0	
157	Residence	Non-Participating	548766.50	4751614.71	25	43	32	25	21	25	21	8	0	0	
383	Residence	Non-Participating	548435.67	4753966.26	25	42	31	26	22	25	20	12	0	0	
407	Residence	Non-Participating	551434.85	4748588.34	25	43	33	26	21	25	21	7	0	0	
384	Residence	Non-Participating	548388.96	4753886.51	25	42	31	26	22	25	21	12	0	0	
213	Residence	Non-Participating	554241.34	4753798.98	25	44	33	28	23	25	19	4	0	0	
154	Residence	Non-Participating	548372.15	4752625.68	24	40	29	25	21	24	20	10	0	0	
243	Residence	Non-Participating	551350.26	4754867.76	24	39	29	25	21	24	20	9	0	0	
180	Residence	Non-Participating	549553.23	4750231.76	24	42	31	25	21	24	20	8	0	0	
240	Residence	Non-Participating	551391.00	4754852.89	24	39	29	25	21	24	20	9	0	0	
382	Residence	Non-Participating	548524.96	4754025.22	24	42	31	27	22	24	20	11	0	0	
179	Residence	Non-Participating	549497.53	4750426.70	24	41	30	25	21	24	20	8	0	0	
233	Residence	Non-Participating	552345.21	4754413.19	24	44	34	26	21	24	20	3	0	0	
232	Residence	Non-Participating	552239.88	4754506.04	24	44	33	26	21	24	20	4	0	0	
293	Residence	Non-Participating	551119.58	4755064.45	24	39	29	25	21	24	20	8	0	0	
300	Residence	Non-Participating	551106.58	4755151.63	24	39	29	25	21	24	20	8	0	0	
155	Residence	Non-Participating	548235.16	4752606.02	24	39	29	25	21	24	20	9	0	0	
239	Residence	Non-Participating	551438.07	4754841.79	24	39	29	25	21	24	20	8	0	0	
73	Residence	Non-Participating	550789.23	4755146.19	24	40	29	25	21	24	19	8	0	0	
87	Residence	Non-Participating	551079.93	4755089.22	24	39	29	25	21	24	19	7	0	0	
153	Residence	Non-Participating	548305.59	4752486.76	24	39	29	25	21	23	19	8	0	0	
181	Residence	Non-Participating	549590.49	4750003.25	23	41	30	25	20	23	19	6	0	0	
237	Residence	Non-Participating	551819.02	4754476.31	23	40	29	26	21	24	19	5	0	0	
291	Residence	Non-Participating	551094.82	4754984.85	23	40	29	25	21	23	19	7	0	0	
74	Residence	Non-Participating	550813.39	4755146.77	23	40	29	25	21	23	19	8	0	0	
176	Residence	Non-Participating	549473.90	4750142.19	23	41	30	25	20	23	19	6	0	0	
238	Residence	Non-Participating	551865.61	4754444.05	23	40	29	26	21	24	19	4	0	0	
86	Residence	Non-Participating	551046.03	4755096.23	23	39	29	25	21	23	19	6	0	0	
83	Residence	Non-Participating	550982.67	4755104.94	23	40	29	25	21	23	19	6	0	0	
82	Residence	Non-Participating	550961.02	4755113.39	23	40	29	25	21	23	19	6	0	0	
76	Residence	Non-Participating	550826.31	4755140.59	23	40	29	25	21	23	19	7	0	0	
210	Residence	Non-Participating	555002.82	4753597.61	23	39	29	26	22	23	18	7	0	0	
85	Residence	Non-Participating	551022.13	4755099.20	23	39	29	25	21	23	19	6	0	0	
75	Residence	Non-Participating	550845.50	4755140.98	23	40	29	25	20	23	19	7	0	0	
84	Residence	Non-Participating	551002.52	4755101.68	23	39	29	25	21	23	18	6	0	0	
81	Residence	Non-Participating	550945.56	4755117.32	23	40	29	25	21	23	18	6	0	0	
294	Residence	Non-Participating	551106.74	4755029.86	23	39	29	25	21	23	18	6	0	0	
177	Residence	Non-Participating	549364.11	4750218.78	23	40	30	25	20	23	18	5	0	0	
219	Residence	Non-Participating	553788.75	4754034.02	23	42	32	27	22	23	17	0	0	0	
506	Residence	Non-Participating	554124.52	4753973.59	23	42	31	27	22	23	17	1	0	0	
297	Residence	Non-Participating	551096.47	4755269.48	23	39	28	24	20	23	18	6	0	0	
295	Residence	Non-Participating	551102.53	4755012.82	23	39	29	25	20	23	18	6	0	0	
208	Residence	Non-Participating	555084.02	4753547.90	23	39	29	26	22	23	17	6	0	0	
220	Residence	Non-Participating	553118.80	4754272.46	23	43	32	26	21	23	17	0	0	0	
301	Residence	Non-Participating	551075.32	4755019.57	23	39	29	25	20	23	18	6	0	0	
77	Residence	Non-Participating	550867.79	4755131.24	23	39	29	25	20	23	18	6	0	0	
78	Residence	Non-Participating	550887.58	4755130.01	23	39	29	25	20	23	18	6	0	0	
303	Residence	Non-Participating	551089.41	4755015.56	23	39	29	25	20	23	18	6	0	0	
156	Residence	Non-Participating	548616.62	4751780.44	22	39	28	24	20	23	18	4	0	0	
401	Residence	Non-Participating	552349.44	4754129.23	22	40	30	26	21	23	17	0	0	0	
79	Residence	Non-Participating	550905.82	4755124.33	22	39	29	25	20	23	18	6	0	0	
80	Residence	Non-Participating	550930.35	4755119.74	22	39	29	25	20	23	18	5	0	0	
302	Residence	Non-Participating	551050.07	4755000.14	22	39	29	25	20	22	17	5	0	0	
207	Residence	Non-Participating	555126.11	4753527.91	22	38	28	26	21	22	17	5	0	0	
289	Residence	Non-Participating	551143.38	4755018.89	22	39	28	24	20	22	17	5	0	0	
173	Residence	Non-Participating	547630.79	4753038.28	22	37	27	23	19	22	18	8	0	0	
298	Residence	Non-Participating	551074.12	4755266.33	21	38	28	24	19	21	16	3	0	0	
234	Residence	Non-Participating	552110.64	4754593.78	21	38	28	24	19	21	16	1	0	0	
299	Residence	Non-Participating	551054.17	4755262.67	21	38	28	23	19	21	16	2	0	0	
172	Residence	Non-Participating	547820.51	4753402.32	20	39	28	23	19	21	16	5	0	0	
216	Residence	Non-Participating	553575.25	4754289.95	20	38	28	25	20	21	14	0	0	0	
215	Residence	Non-Participating	553723.92	4754259.61	20	38	28	25	20	21	14	0	0	0	
231	Residence	Non-Participating	552394.76	4754564.47	20	38	27	24	19	20	14	0	0	0	
222	Residence	Non-Participating	553202.75	4754319.09	20	38	28	25	20	20	13	0	0	0	
221	Residence	Non-Participating	553211.92	4754368.10	20	38	28	25	20	20	13	0	0	0	
304	Residence	Non-Participating	551016.47	4755000.54	20	39	28	24	19	20	14	1	0	0	
290	Residence	Non-Participating	551132.67	4754986.85	19	39	28	23	18	20	14	0	0	0	
229	Residence	Non-Participating	552622.43	4754532.87	19	37	27	23	18	20	13	0	0	0	
217	Residence	Non-Participating	553744.52	4754503.18	19	37	27	24	19	19	12	0	0	0	
230	Residence	Non-Participating	552500.75	4754573.42	19	37	27	23	18	19	13	0	0	0	
224	Residence	Non-Participating	552955.72	4754456.21	19	37	27	23	18	19	12	0	0	0	
225	Residence	Non-Participating	552827.55	4754411.53	19	37	27	23	18	19	13	0	0	0	

Table 7-4.2b: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
223	Residence	Non-Participating	553023.01	4754463.57	19	37	27	23	18	19	12	0	0	0
226	Residence	Non-Participating	552892.44	4754478.80	19	37	27	23	18	19	12	0	0	0
508	Residence	Non-Participating	553428.98	4754722.48	18	37	27	24	18	19	11	0	0	0
507	Residence	Non-Participating	553340.55	4754775.59	18	37	27	24	18	19	11	0	0	0
214	Residence	Non-Participating	553878.98	4754211.48	18	37	27	24	18	19	12	0	0	0
Summary of Maximum and Minimum Sound Levels														
436	Residence	Non-Participating	554071.16	4750539.40	40	53	42	36	34	39	37	31	17	0
214	Residence	Non-Participating	553878.98	4754211.48	18	37	27	24	18	19	12	0	0	0

Table 7-4.2c: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Amish Community/Residence and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
402	Residence	Participating	551816.43	4750688.41	45	57	46	39	36	42	42	37	24	0	
404	Residence	Participating	552272.81	4750939.93	43	53	43	38	36	41	39	34	20	0	
405	Residence	Participating	552306.65	4750924.69	44	55	45	39	36	42	41	36	23	0	
434	Residence	Participating	554212.78	4750775.20	38	52	41	36	33	37	35	28	15	0	
449	Residence	Participating	553079.40	4750666.11	43	55	44	37	34	40	40	34	20	0	
450	Residence	Participating	551476.72	4750389.70	37	50	39	34	31	35	33	27	12	0	
453	Residence	Participating	551744.00	4750692.59	44	57	46	39	36	42	41	36	24	0	
454	Residence	Participating	552354.86	4751031.09	45	56	46	39	36	42	42	38	26	0	
486	Residence	Participating	550484.39	4752255.30	37	52	41	32	28	34	34	27	12	0	
492	Residence	Participating	549504.02	4752997.19	34	49	38	30	27	32	31	23	4	0	
493	Residence	Participating	549303.28	4753118.73	30	43	33	29	26	30	27	18	0	0	
494	Residence	Participating	549241.92	4753172.52	31	43	33	29	26	30	27	19	0	0	
495	Residence	Participating	549193.02	4753249.76	33	47	36	30	27	31	30	23	2	0	
496	Residence	Participating	549134.52	4753310.51	34	47	37	30	27	32	31	24	5	0	
499	Residence	Participating	549175.28	4753516.36	35	48	37	32	29	33	32	25	8	0	
500	Residence	Participating	548993.19	4753649.69	38	50	40	34	31	36	35	30	19	0	
501	Residence	Participating	548858.08	4754014.00	43	54	44	37	32	39	39	36	28	0	
503	Residence	Participating	550086.61	4754906.49	34	47	37	30	27	32	31	25	6	0	
Summary of Maximum and Minimum Sound Levels															
454	Residence	Participating	552354.86	4751031.09	45	56	46	39	36	42	42	38	26	0	
493	Residence	Participating	549303.28	4753118.73	30	43	33	29	26	30	27	18	0	0	

Table 7-4.2d: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Amish Community/Residence and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
454	Residence	Participating	552354.86	4751031.09	45	56	46	39	36	42	42	38	26	0	
402	Residence	Participating	551816.43	4750688.41	45	57	46	39	36	42	42	37	24	0	
453	Residence	Participating	551744.00	4750692.59	44	57	46	39	36	42	41	36	24	0	
405	Residence	Participating	552306.65	4750924.69	44	55	45	39	36	42	41	36	23	0	
501	Residence	Participating	548858.08	4754014.00	43	54	44	37	32	39	39	36	28	0	
449	Residence	Participating	553079.40	4750666.11	43	55	44	37	34	40	40	34	20	0	
404	Residence	Participating	552272.81	4750939.93	43	53	43	38	36	41	39	34	20	0	
434	Residence	Participating	554212.78	4750775.20	38	52	41	36	33	37	35	28	15	0	
500	Residence	Participating	548993.19	4753649.69	38	50	40	34	31	36	35	30	19	0	
450	Residence	Participating	551476.72	4750389.70	37	50	39	34	31	35	33	27	12	0	
486	Residence	Participating	550484.39	4752255.30	37	52	41	32	28	34	34	27	12	0	
499	Residence	Participating	549175.28	4753516.36	35	48	37	32	29	33	32	25	8	0	
503	Residence	Participating	550086.61	4754906.49	34	47	37	30	27	32	31	25	6	0	
496	Residence	Participating	549134.52	4753310.51	34	47	37	30	27	32	31	24	5	0	
492	Residence	Participating	549504.02	4752997.19	34	49	38	30	27	32	31	23	4	0	
495	Residence	Participating	549193.02	4753249.76	33	47	36	30	27	31	30	23	2	0	
494	Residence	Participating	549241.92	4753172.52	31	43	33	29	26	30	27	19	0	0	
493	Residence	Participating	549303.28	4753118.73	30	43	33	29	26	30	27	18	0	0	
Summary of Maximum and Minimum Sound Levels															
454	Residence	Participating	552354.86	4751031.09	45	56	46	39	36	42	42	38	26	0	
493	Residence	Participating	549303.28	4753118.73	30	43	33	29	26	30	27	18	0	0	

Table 7-4.2e: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
1	Cemetery	Non-Participating	552496.97	4754230.50	24	44	34	26	21	24	20	2	0	0	
22	Cemetery	Non-Participating	553369.86	4748896.88	31	47	37	29	25	30	28	19	0	0	
45	Farm	Non-Participating	554456.12	4749508.64	29	46	35	28	24	29	26	17	0	0	
61	Farm	Non-Participating	555399.90	4749709.22	31	46	35	29	25	30	28	19	0	0	
63	Farm	Non-Participating	554954.65	4750006.39	35	48	37	32	29	33	32	25	8	0	
69	Barn	Non-Participating	550513.30	4755112.51	28	41	30	27	23	27	24	15	0	0	
89	Cemetery	Non-Participating	551050.86	4754825.13	27	41	30	26	23	26	23	13	0	0	
93	Farm	Non-Participating	551943.32	4753242.16	25	41	31	27	23	25	20	5	0	0	
136	Farm	Non-Participating	551693.65	4752961.04	27	45	34	28	24	27	23	9	0	0	
142	Farm	Non-Participating	550318.87	4753045.87	36	52	42	33	29	34	34	26	6	0	
162	Farm	Non-Participating	549653.65	4750273.39	24	41	30	25	21	24	20	8	0	0	
167	Public Trail	Non-Participating	551661.37	4754929.10	22	38	27	24	19	22	17	4	0	0	
182	Farm	Non-Participating	550310.92	4749581.23	27	44	34	27	23	26	24	12	0	0	
183	Farm	Non-Participating	550953.76	4749569.39	30	44	34	28	25	29	26	18	0	0	
189	Cemetery	Non-Participating	553034.77	4749102.48	32	45	35	29	27	31	29	21	1	0	
211	Farm	Non-Participating	554844.09	4753602.43	23	39	29	27	22	23	19	7	0	0	
218	Farm	Non-Participating	553643.07	4754502.85	18	37	27	24	18	19	11	0	0	0	
286	Farm	Non-Participating	551036.63	4754190.23	35	51	41	31	27	33	33	25	3	0	
375	Historic Site	Non-Participating	549540.03	4755454.87	28	44	33	26	22	27	25	15	0	0	
392	Farm	Non-Participating	549107.90	4751317.71	27	44	34	26	22	26	24	13	0	0	
520	Public Trail	Non-Participating	553793.34	4754317.37	19	37	27	24	19	20	13	0	0	0	
Summary of Maximum and Minimum Sound Levels															
142	Farm	Non-Participating	550318.87	4753045.87	36	52	42	33	29	34	34	26	6	0	
218	Farm	Non-Participating	553643.07	4754502.85	18	37	27	24	18	19	11	0	0	0	

Table 7-4.2f: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
142	Farm	Non-Participating	550318.87	4753045.87	36	52	42	33	29	34	34	26	6	0	
286	Farm	Non-Participating	551036.63	4754190.23	35	51	41	31	27	33	33	25	3	0	
63	Farm	Non-Participating	554954.65	4750006.39	35	48	37	32	29	33	32	25	8	0	
189	Cemetery	Non-Participating	553034.77	4749102.48	32	45	35	29	27	31	29	21	1	0	
22	Cemetery	Non-Participating	553369.86	4748896.88	31	47	37	29	25	30	28	19	0	0	
61	Farm	Non-Participating	555399.90	4749709.22	31	46	35	29	25	30	28	19	0	0	
183	Farm	Non-Participating	550953.76	4749569.39	30	44	34	28	25	29	26	18	0	0	
45	Farm	Non-Participating	554456.12	4749508.64	29	46	35	28	24	29	26	17	0	0	
375	Historic Site	Non-Participating	549540.03	4755454.87	28	44	33	26	22	27	25	15	0	0	
69	Barn	Non-Participating	550513.30	4755112.51	28	41	30	27	23	27	24	15	0	0	
136	Farm	Non-Participating	551693.65	4752961.04	27	45	34	28	24	27	23	9	0	0	
182	Farm	Non-Participating	550310.92	4749581.23	27	44	34	27	23	26	24	12	0	0	
392	Farm	Non-Participating	549107.90	4751317.71	27	44	34	26	22	26	24	13	0	0	
89	Cemetery	Non-Participating	551050.86	4754825.13	27	41	30	26	23	26	23	13	0	0	
93	Farm	Non-Participating	551943.32	4753242.16	25	41	31	27	23	25	20	5	0	0	
162	Farm	Non-Participating	549653.65	4750273.39	24	41	30	25	21	24	20	8	0	0	
1	Cemetery	Non-Participating	552496.97	4754230.50	24	44	34	26	21	24	20	2	0	0	
211	Farm	Non-Participating	554844.09	4753602.43	23	39	29	27	22	23	19	7	0	0	
167	Public Trail	Non-Participating	551661.37	4754929.10	22	38	27	24	19	22	17	4	0	0	
520	Public Trail	Non-Participating	553793.34	4754317.37	19	37	27	24	19	20	13	0	0	0	
218	Farm	Non-Participating	553643.07	4754502.85	18	37	27	24	18	19	11	0	0	0	
Summary of Maximum and Minimum Sound Levels															
142	Farm	Non-Participating	550318.87	4753045.87	36	52	42	33	29	34	34	26	6	0	
218	Farm	Non-Participating	553643.07	4754502.85	18	37	27	24	18	19	11	0	0	0	

Table 7-4.2g: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
64	Farm	Participating	555379.74	4750514.35	40	52	41	35	34	38	36	31	19	0	
91	Farm	Participating	552295.34	4751058.50	44	55	45	38	35	41	41	36	23	0	
101	Park	Participating	548640.78	4753686.91	44	55	45	39	33	40	41	38	31	6	
513	Farm	Participating	555300.86	4750510.05	39	51	40	35	33	38	36	30	18	0	
Summary of Maximum and Minimum Sound Levels															
101	Park	Participating	548640.78	4753686.91	44	55	45	39	33	40	41	38	31	6	
513	Farm	Participating	555300.86	4750510.05	39	51	40	35	33	38	36	30	18	0	

Table 7-4.2h: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Barn/Cemetery/Farm/Historic Site/Park/Public Trail and Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
101	Park	Participating	548640.78	4753686.91	44	55	45	39	33	40	41	38	31	6	
91	Farm	Participating	552295.34	4751058.50	44	55	45	38	35	41	41	36	23	0	
64	Farm	Participating	555379.74	4750514.35	40	52	41	35	34	38	36	31	19	0	
513	Farm	Participating	555300.86	4750510.05	39	51	40	35	33	38	36	30	18	0	
Summary of Maximum and Minimum Sound Levels															
101	Park	Participating	548640.78	4753686.91	44	55	45	39	33	40	41	38	31	6	
513	Farm	Participating	555300.86	4750510.05	39	51	40	35	33	38	36	30	18	0	

Table 7-4.2i: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
2	Government Building	Non-Participating	552766.10	4754149.15	23	43	33	26	21	24	18	0	0	0	
3	Business	Non-Participating	553514.16	4749391.79	31	47	36	30	26	30	28	19	0	0	
4	Business	Non-Participating	553050.09	4754176.65	23	44	34	26	21	24	18	0	0	0	
5	Business	Non-Participating	553263.69	4754103.52	24	44	34	27	22	24	18	0	0	0	
6	Business	Non-Participating	553550.77	4753756.03	24	43	33	28	23	25	19	2	0	0	
7	Government Building	Non-Participating	553871.27	4753789.52	25	44	33	28	23	25	19	4	0	0	
8	Business	Non-Participating	553774.59	4749663.57	30	46	36	30	26	30	27	17	0	0	
9	Fire Department	Non-Participating	553667.42	4749525.02	32	49	38	30	27	31	29	21	0	0	
17	Restaurant	Non-Participating	553522.96	4749251.21	31	47	36	29	26	30	27	18	0	0	
26	Public Building	Non-Participating	553655.51	4749339.34	31	47	37	30	26	30	28	18	0	0	
31	Church	Non-Participating	553747.94	4749370.05	31	48	37	30	26	30	28	18	0	0	
53	Business	Non-Participating	551396.02	4749658.96	31	46	36	29	25	30	27	19	4	0	
67	Business	Non-Participating	555301.38	4750106.85	35	49	38	32	29	34	32	26	7	0	
88	Business	Non-Participating	551120.38	4755080.65	24	39	29	25	21	24	20	8	0	0	
97	Business	Non-Participating	551939.15	4752867.89	28	46	36	29	25	28	24	10	0	0	
151	Business	Non-Participating	548718.98	4752735.02	26	41	30	26	23	26	22	12	0	0	
187	Business	Non-Participating	552537.70	4748887.86	28	42	31	28	24	28	24	14	0	0	
209	Business	Non-Participating	554962.37	4753596.45	23	39	29	27	22	23	18	7	0	0	
212	Police Station	Non-Participating	554495.79	4753677.62	27	46	36	29	24	27	23	11	0	0	
227	Business	Non-Participating	553204.51	4754847.32	18	37	27	23	18	19	11	0	0	0	
228	Business	Non-Participating	553142.39	4754859.45	18	37	27	23	18	19	12	0	0	0	
296	Business	Non-Participating	551038.17	4755298.62	24	39	28	25	21	24	20	8	0	0	
366	Government Building	Non-Participating	550796.72	4755728.65	25	43	33	25	20	25	22	9	0	0	
368	Business	Non-Participating	550121.24	4755655.30	27	43	33	25	21	26	24	13	0	0	
369	Business	Non-Participating	550068.27	4755623.44	27	44	34	26	22	26	24	13	0	0	
505	Business	Non-Participating	553201.09	4754131.71	23	43	33	26	21	23	18	0	0	0	
Summary of Maximum and Minimum Sound Levels															
67	Business	Non-Participating	555301.38	4750106.85	35	49	38	32	29	34	32	26	7	0	
228	Business	Non-Participating	553142.39	4754859.45	18	37	27	23	18	19	12	0	0	0	

Table 7-4.2j: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Non-Participating]

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results									
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000	
			X (m)	Y (m)											
67	Business	Non-Participating	555301.38	4750106.85	35	49	38	32	29	34	32	26	7	0	
9	Fire Department	Non-Participating	553667.42	4749525.02	32	49	38	30	27	31	29	21	0	0	
3	Business	Non-Participating	553514.16	4749391.79	31	47	36	30	26	30	28	19	0	0	
31	Church	Non-Participating	553747.94	4749370.05	31	48	37	30	26	30	28	18	0	0	
26	Public Building	Non-Participating	553655.51	4749339.34	31	47	37	30	26	30	28	18	0	0	
17	Restaurant	Non-Participating	553522.96	4749251.21	31	47	36	29	26	30	27	18	0	0	
53	Business	Non-Participating	551396.02	4749658.96	31	46	36	29	25	30	27	19	4	0	
8	Business	Non-Participating	553774.59	4749663.57	30	46	36	30	26	30	27	17	0	0	
97	Business	Non-Participating	551939.15	4752867.89	28	46	36	29	25	28	24	10	0	0	
187	Business	Non-Participating	552537.70	4748887.86	28	42	31	28	24	28	24	14	0	0	
369	Business	Non-Participating	550068.27	4755623.44	27	44	34	26	22	26	24	13	0	0	
212	Police Station	Non-Participating	554495.79	4753677.62	27	46	36	29	24	27	23	11	0	0	
368	Business	Non-Participating	550121.24	4755655.30	27	43	33	25	21	26	24	13	0	0	
151	Business	Non-Participating	548718.98	4752735.02	26	41	30	26	23	26	22	12	0	0	
366	Government Building	Non-Participating	550796.72	4755728.65	25	43	33	25	20	25	22	9	0	0	
7	Government Building	Non-Participating	553871.27	4753789.52	25	44	33	28	23	25	19	4	0	0	
6	Business	Non-Participating	553550.77	4753756.03	24	43	33	28	23	25	19	2	0	0	
88	Business	Non-Participating	551120.38	4755080.65	24	39	29	25	21	24	20	8	0	0	
296	Business	Non-Participating	551038.17	4755298.62	24	39	28	25	21	24	20	8	0	0	
5	Business	Non-Participating	553263.69	4754103.52	24	44	34	27	22	24	18	0	0	0	
4	Business	Non-Participating	553050.09	4754176.65	23	44	34	26	21	24	18	0	0	0	
2	Government Building	Non-Participating	552766.10	4754149.15	23	43	33	26	21	24	18	0	0	0	
505	Business	Non-Participating	553201.09	4754131.71	23	43	33	26	21	23	18	0	0	0	
209	Business	Non-Participating	554962.37	4753596.45	23	39	29	27	22	23	18	7	0	0	
227	Business	Non-Participating	553204.51	4754847.32	18	37	27	23	18	19	11	0	0	0	
228	Business	Non-Participating	553142.39	4754859.45	18	37	27	23	18	19	12	0	0	0	
Summary of Maximum and Minimum Sound Levels															
67	Business	Non-Participating	555301.38	4750106.85	35	49	38	32	29	34	32	26	7	0	
228	Business	Non-Participating	553142.39	4754859.45	18	37	27	23	18	19	12	0	0	0	

Table 7-4.2k: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Receptor ID [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Participating

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
90	Business	Participating	552504.85	4751087.77	44	56	46	39	36	41	41	36	26	0
Summary of Maximum and Minimum Sound Levels														
90	Business	Participating	552504.85	4751087.77	44	56	46	39	36	41	41	36	26	0
90	Business	Participating	552504.85	4751087.77	44	56	46	39	36	41	41	36	26	0

Table 7-4.2I: Mitigated Total Project Sound Level Modeling Results (Leq (8-Hour)) at Discrete Points - Sorted by Sound Level [Business/Church/Fire Department/Government Building/Police Station/Public Building/Restaurant and Participating

Modeling Receptor ID	Receptor Type	Participation Status	Coordinates		Project Only Maximum 8-hr Leq (dBA)	Leq (dB) per Octave Band Center Frequency (Hz) - Acoustic Modeling Results								
			UTM NAD83 Zone 18N (meters)			31.5	63	125	250	500	1000	2000	4000	8000
			X (m)	Y (m)										
90	Business	Participating	552504.85	4751087.77	44	56	46	39	36	41	41	36	26	0
Summary of Maximum and Minimum Sound Levels														
90	Business	Participating	552504.85	4751087.77	44	56	46	39	36	41	41	36	26	0
90	Business	Participating	552504.85	4751087.77	44	56	46	39	36	41	41	36	26	0