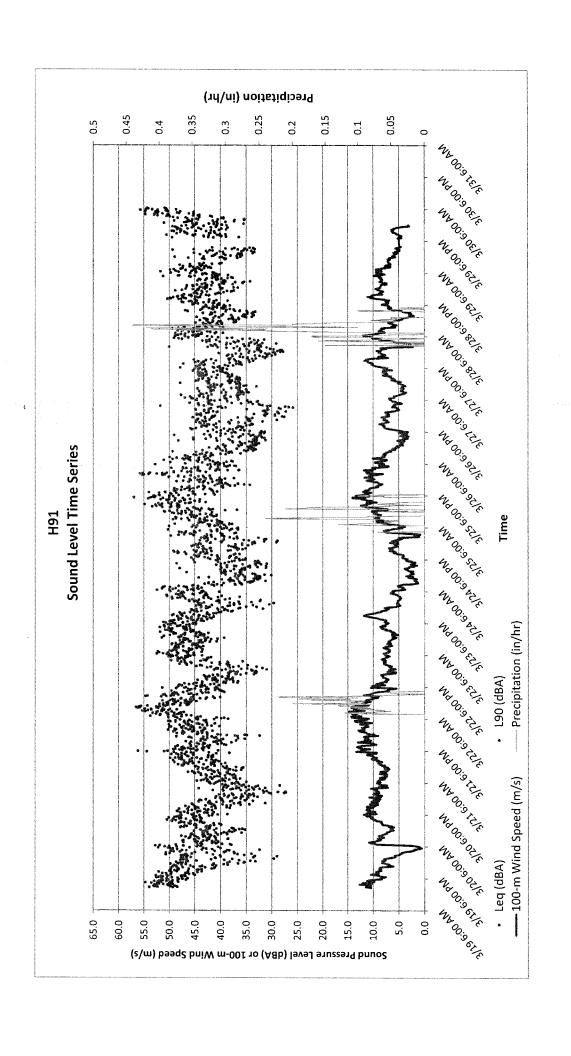
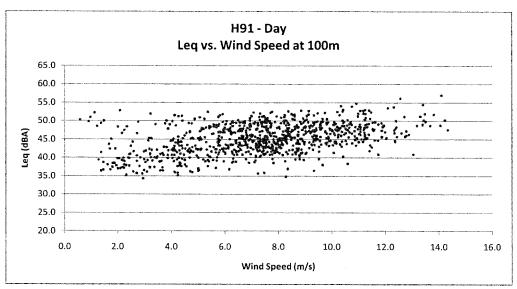
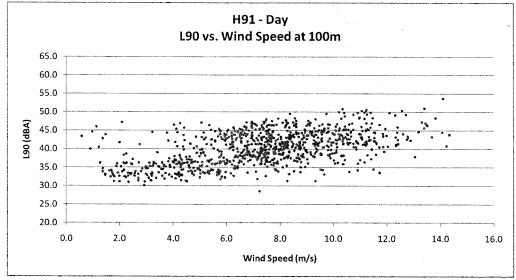
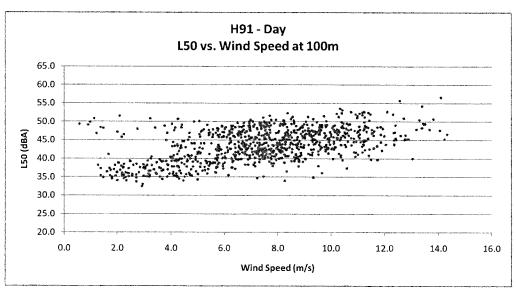
Appendix C Time Series and Sound Level vs. Wind Speed Plots

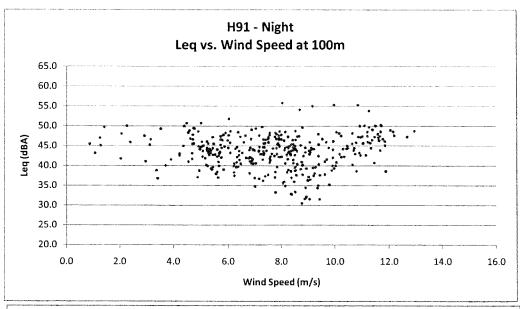


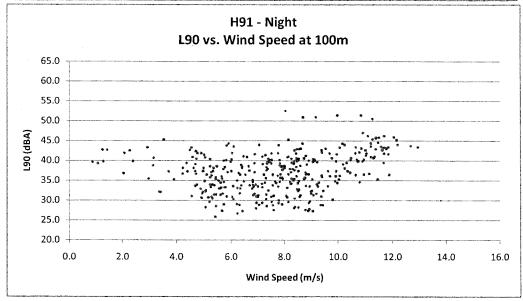


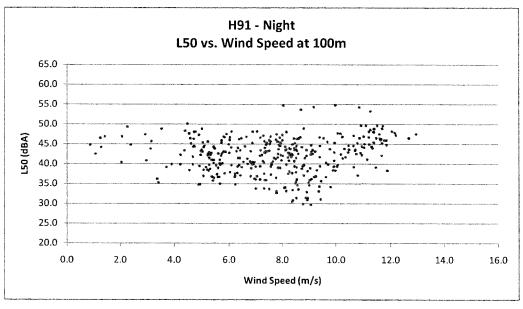


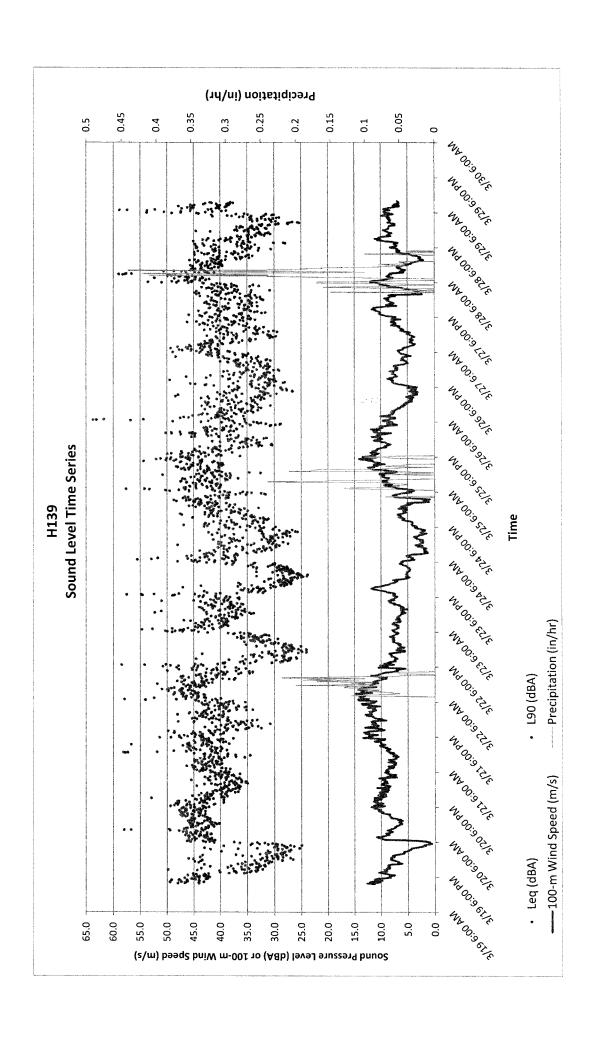
41/5

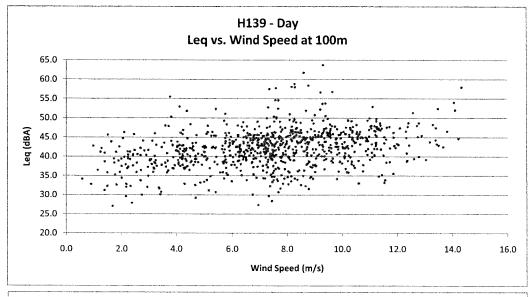


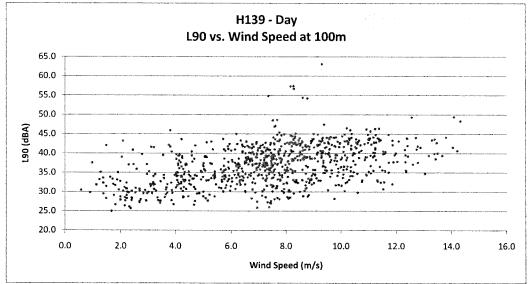


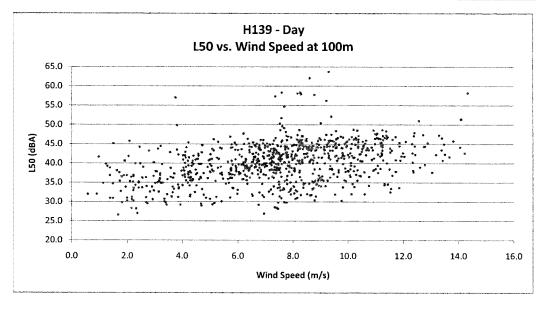


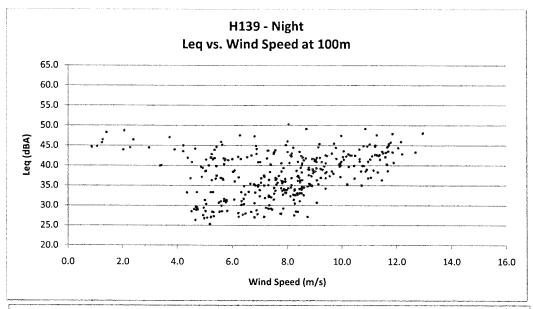


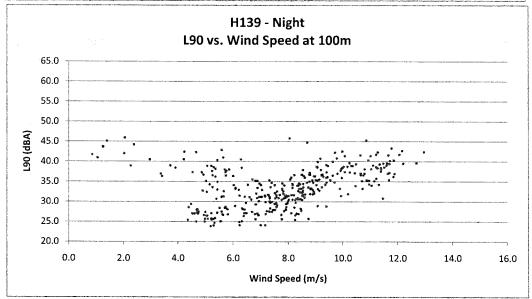


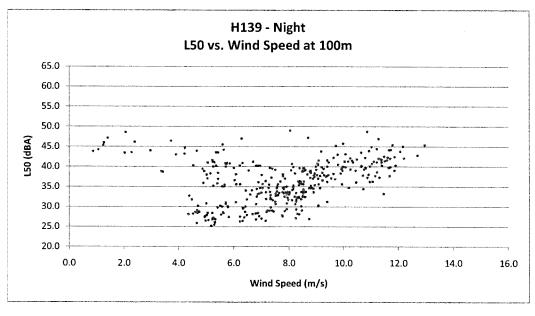


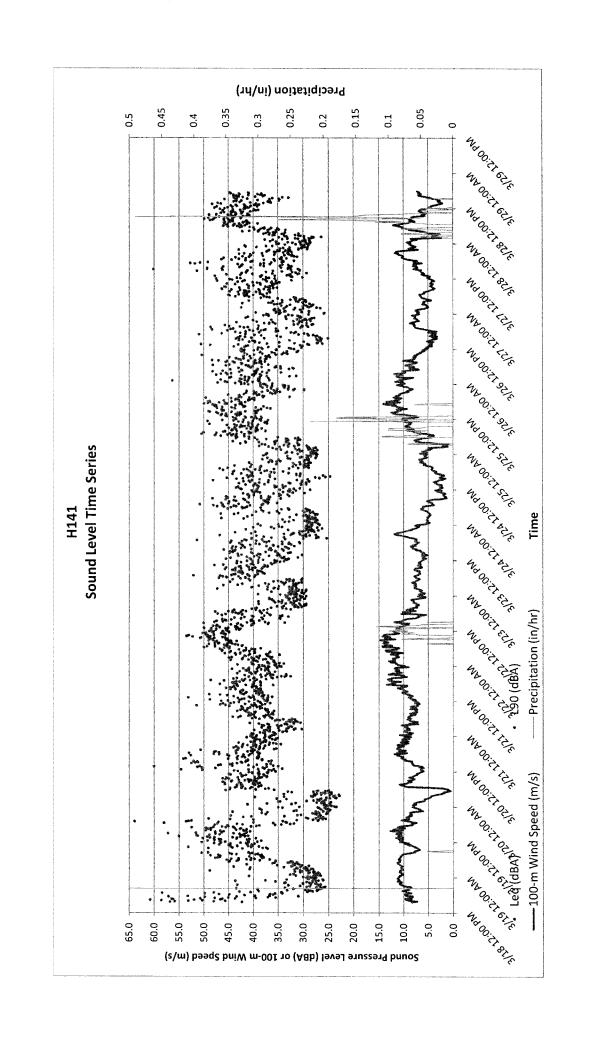


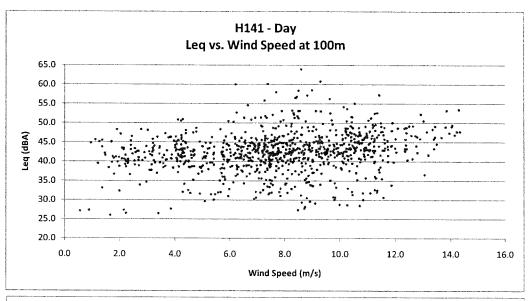


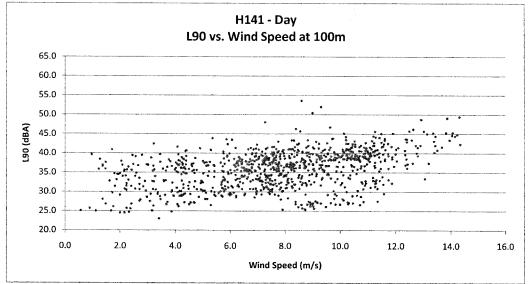


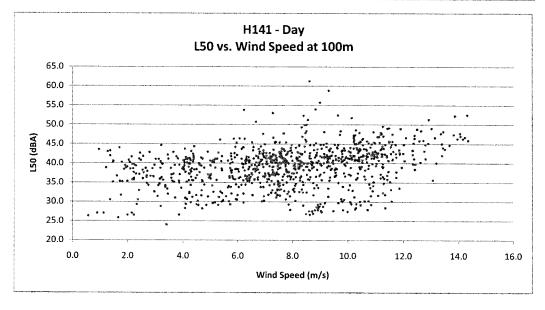


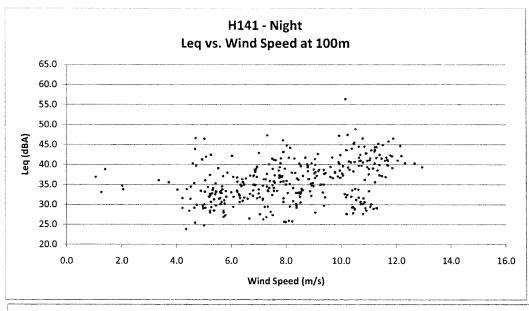


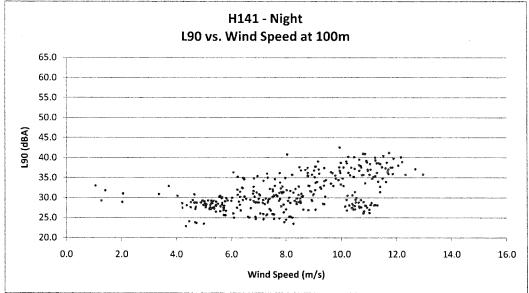


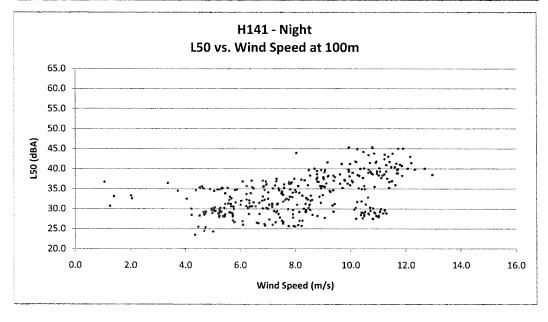


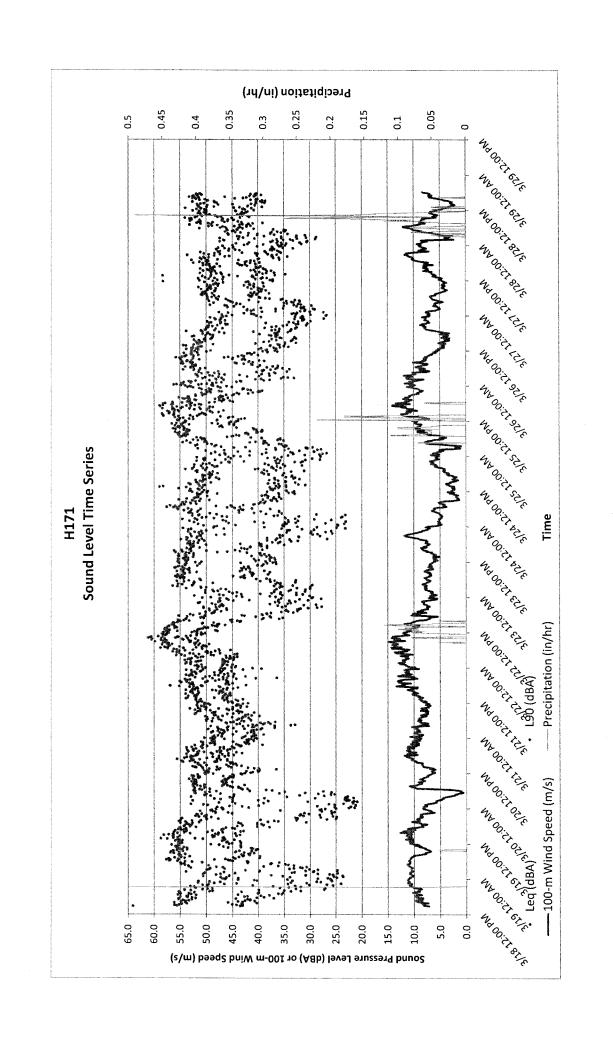


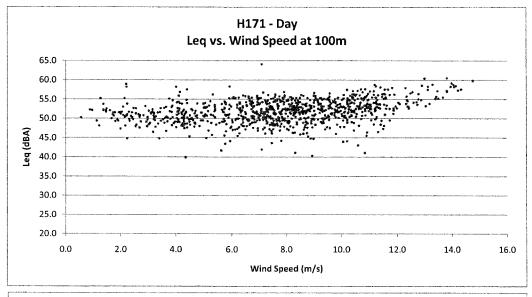


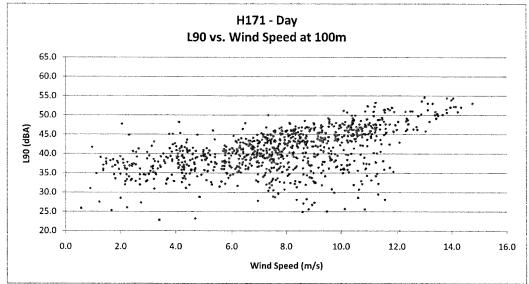


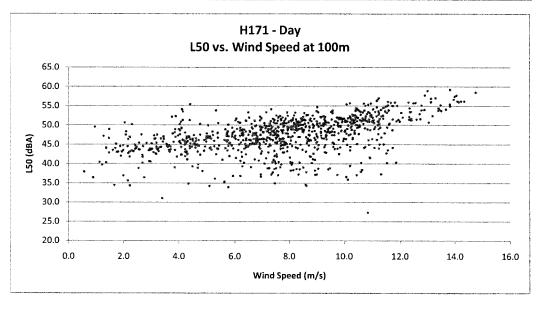


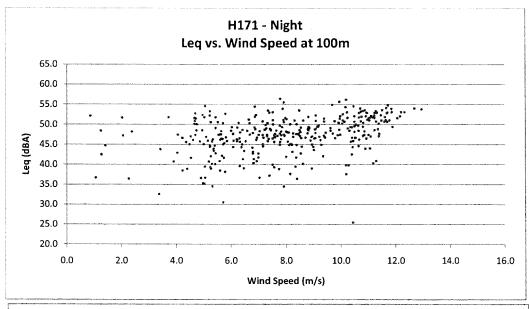


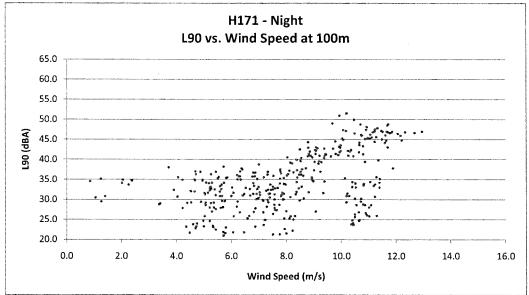


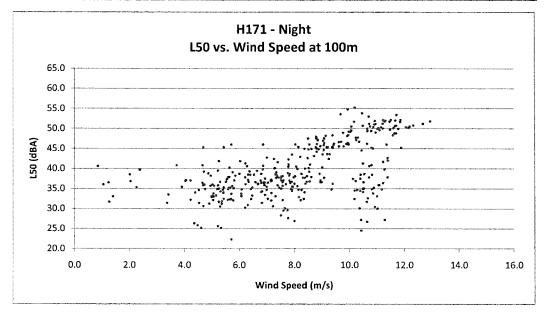


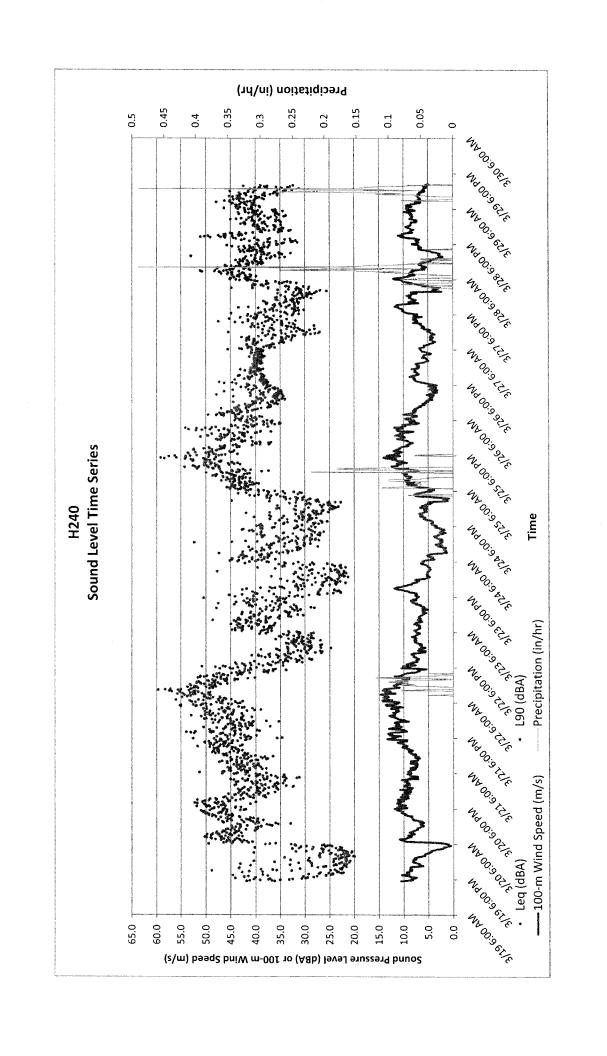


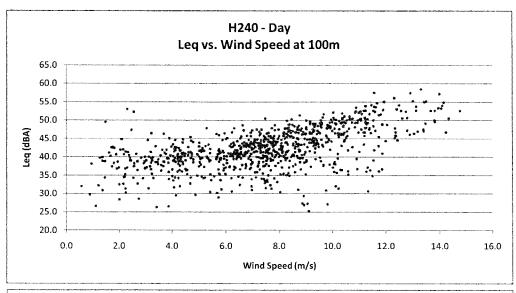


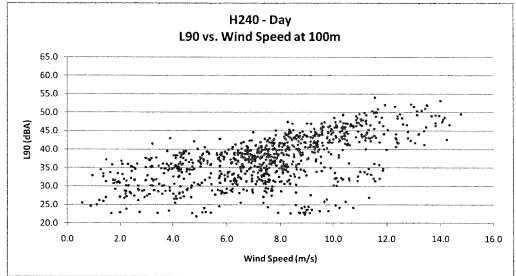


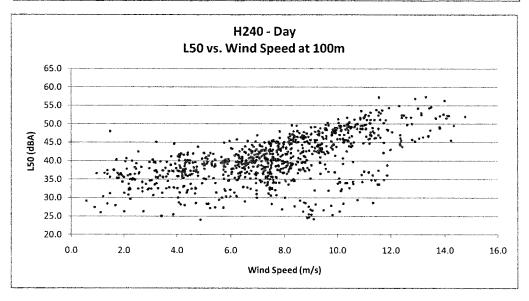


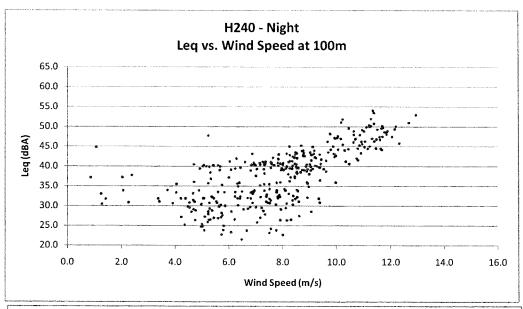


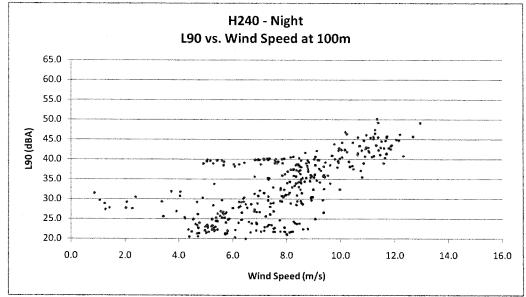


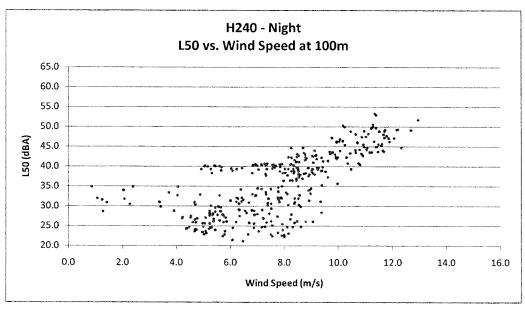


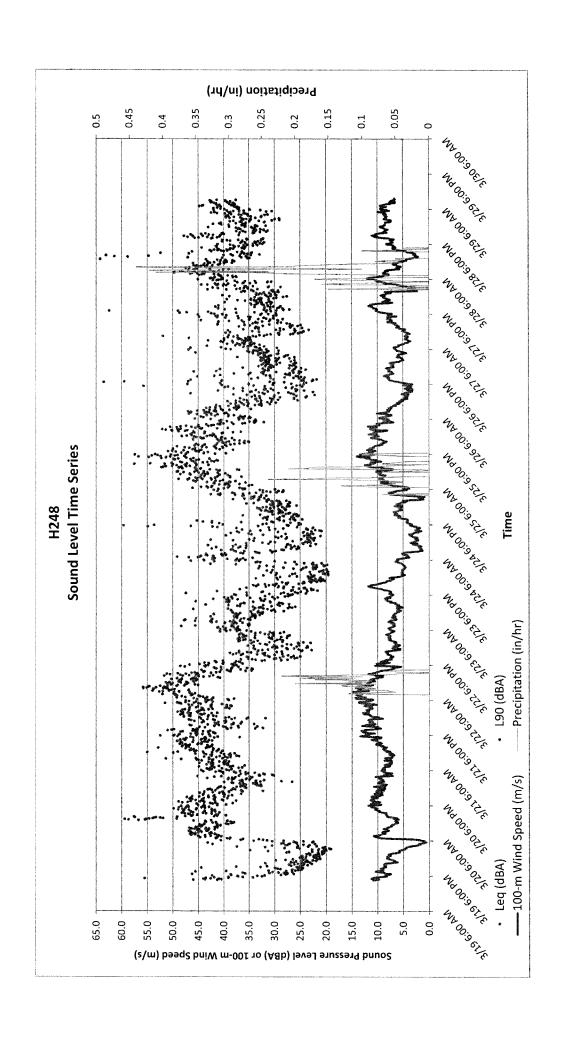


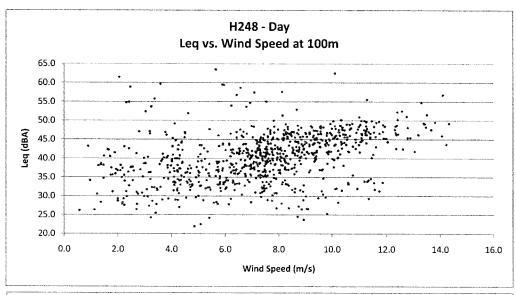


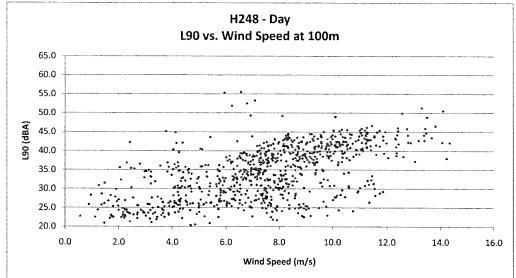


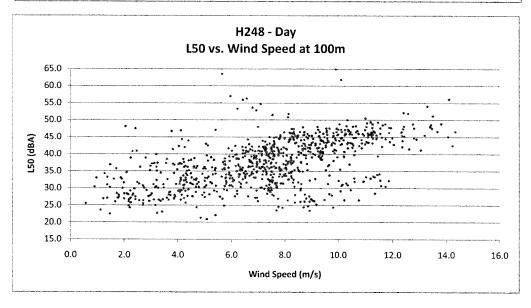


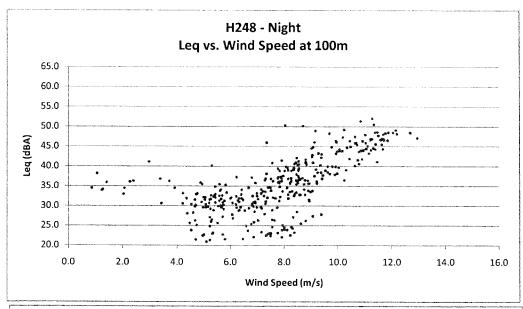


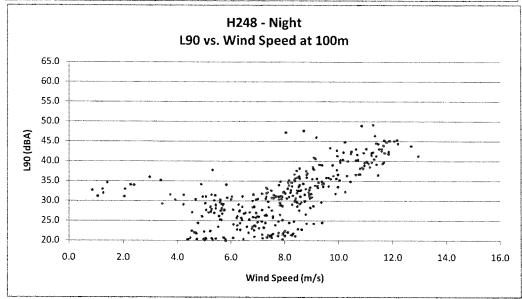


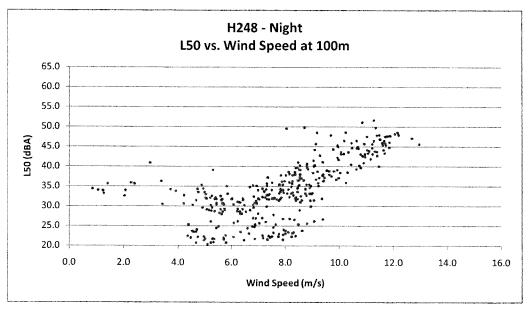


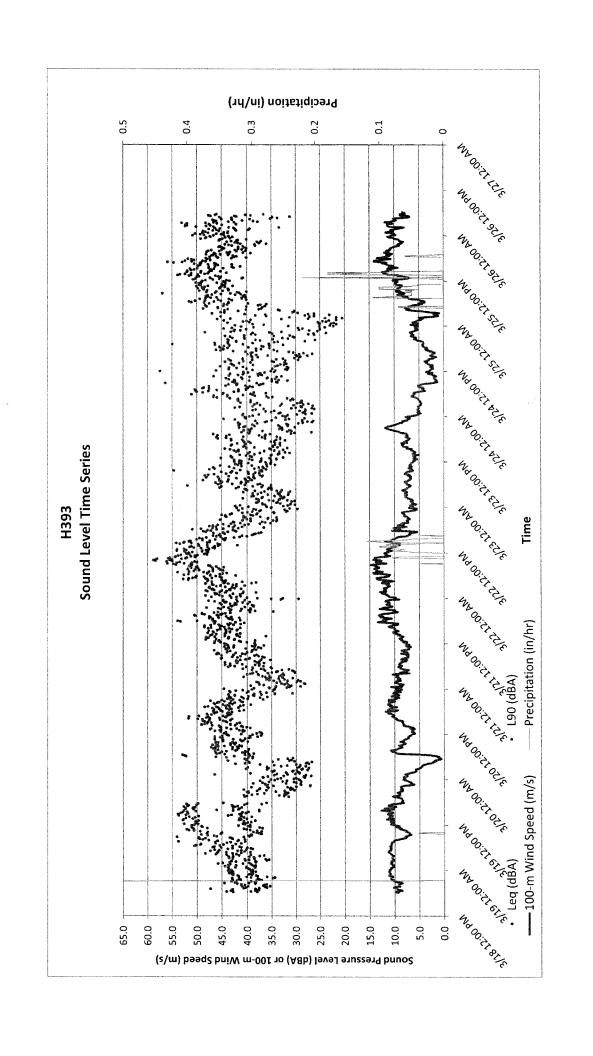


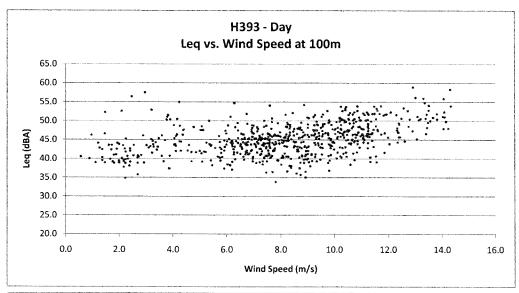


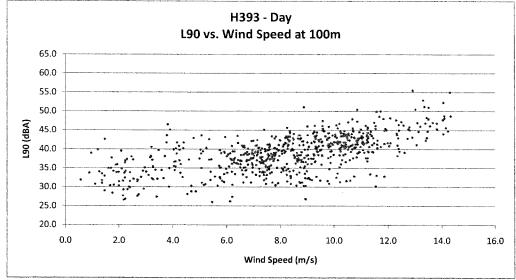


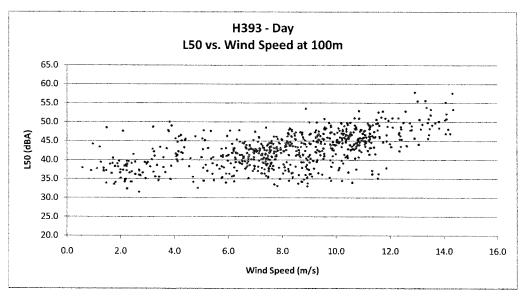


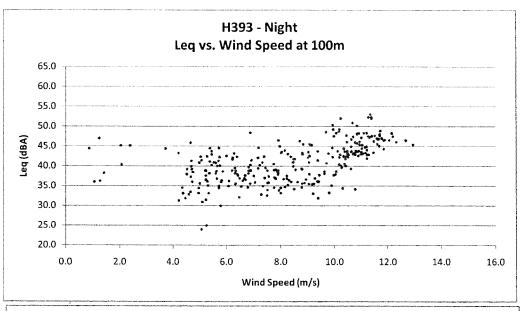


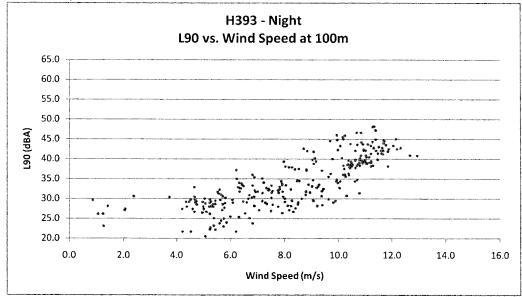


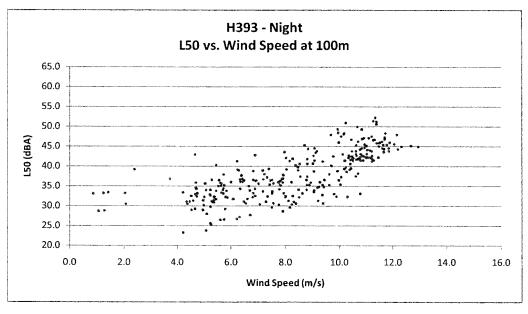


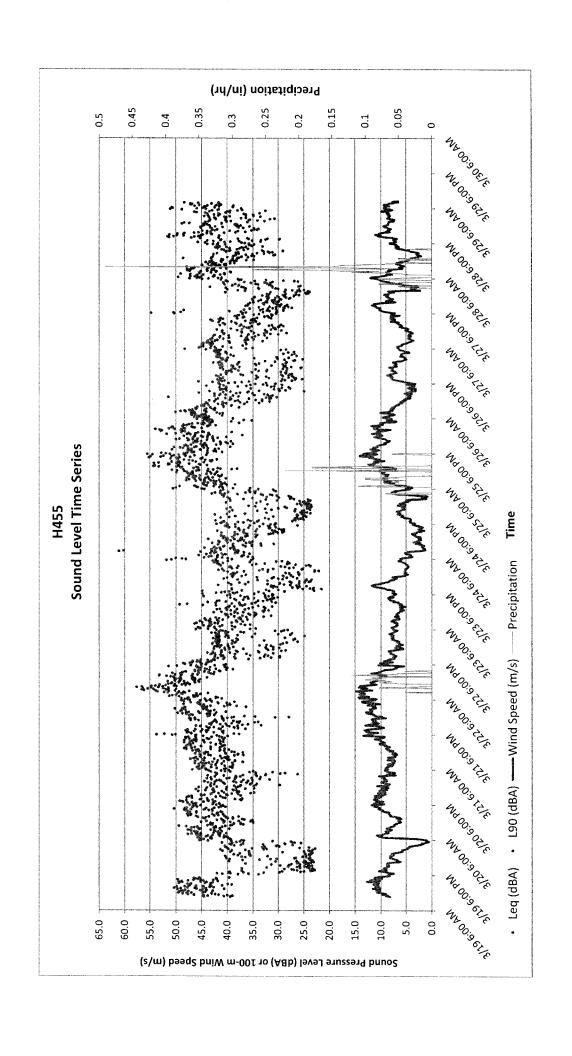


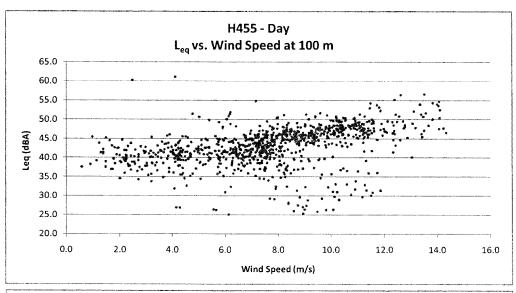


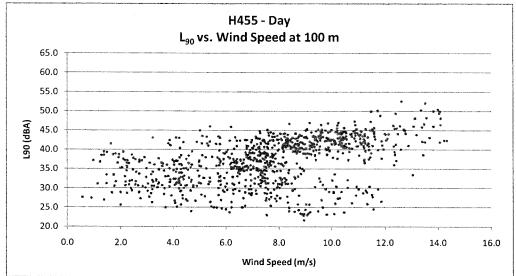


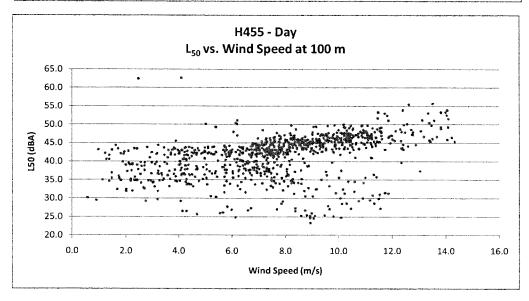


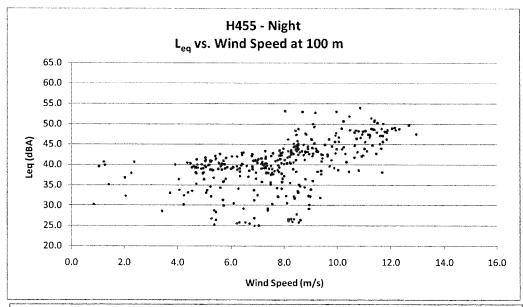


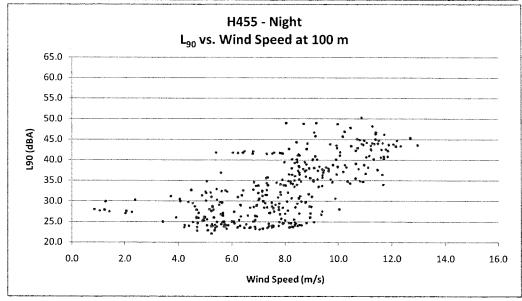


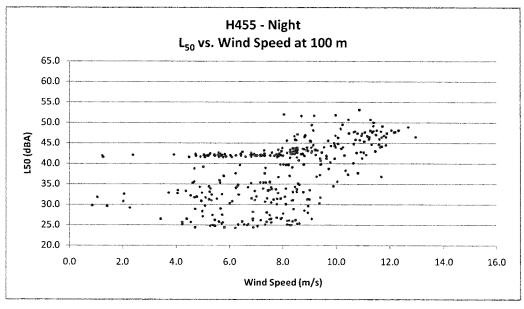


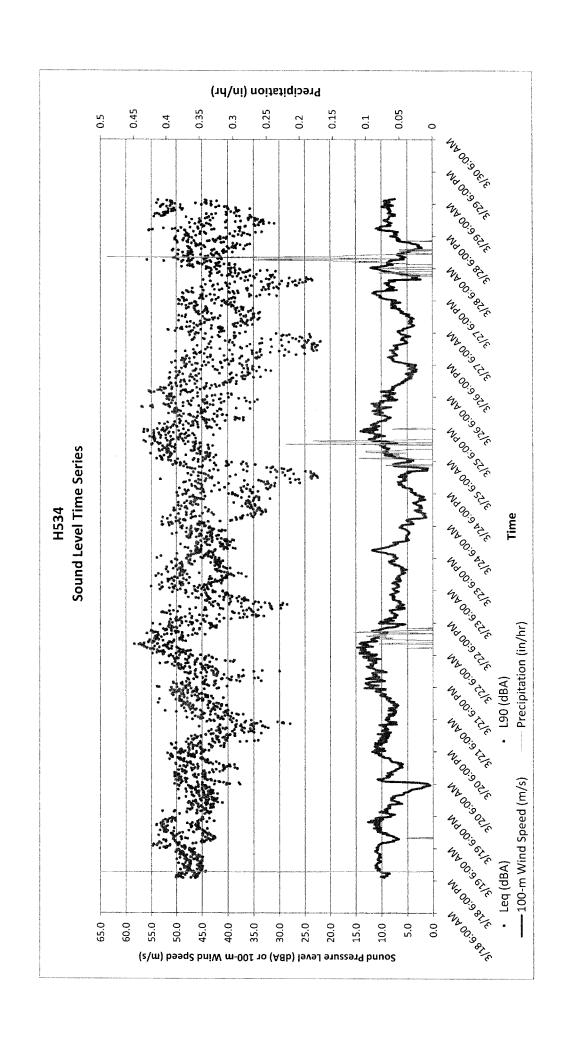


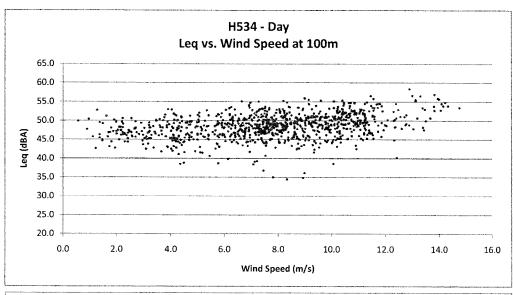


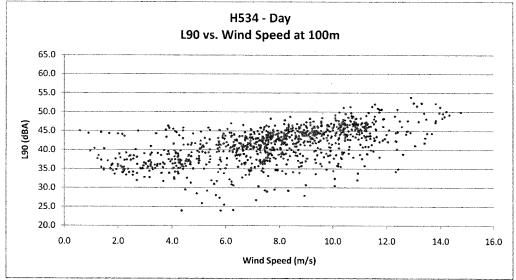


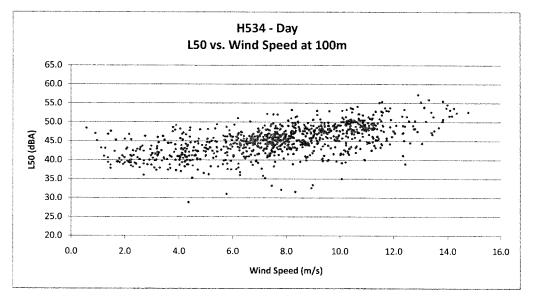


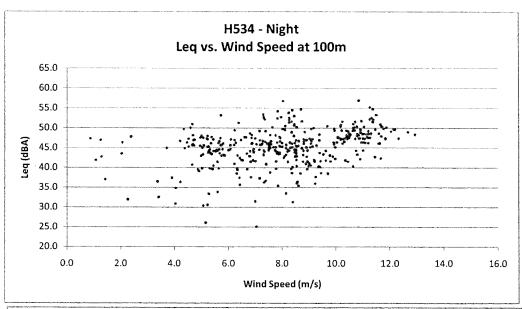


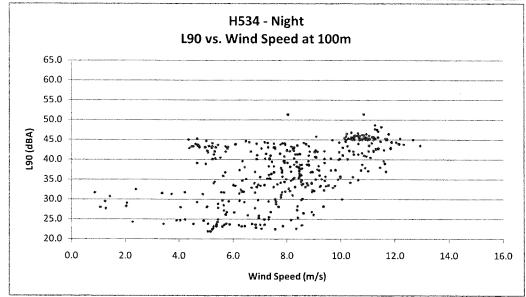


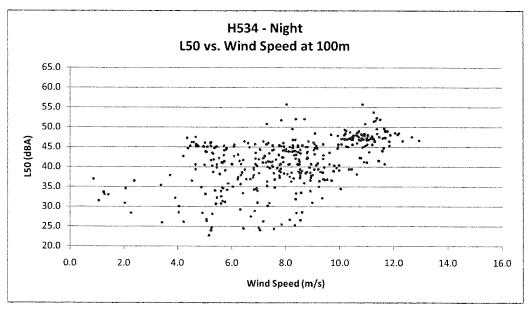


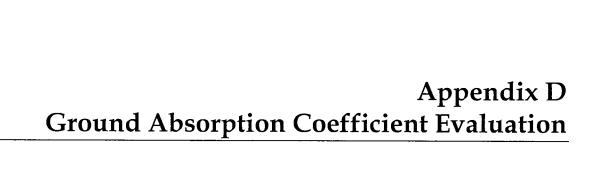












		Sound Pressure Level, Gro		Sound Pressure Level, Ground Absorption = 1	
a		Full Acoustic Sound Power Level	Cut-in Sound Power Level	Full Acoustic Sound Power Level	
	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
Type	ID	(dBA)		(dBA)	
HOME	445	50.3	36.7	44.5	31
HOME	449	50.3	36.8	44.5	31.1
HOME	471	50.2	36.6	44.4	30.9
HOME	1094	50.2	37.3	44.4	31.9
HOME	87	50.1	37	44.3	31.5
HOME	458	50.1	36.5	44.3	30.8
HOME	242	50	36.8	44.1	31.3
HOME	169	50	37.6	44.2	32.4
HOME	239	50	36.9	44.1	31.4
HOME	214	49.9	37.5	44.1	32.2
HOME	450	49.9	36.4	44	30.6
HOME	1169	49.9	36.7	44.2	31.3
HOME	291	49.9	36.5	44	30.9
HOME	104	50	41.9	44.4	37.4
HOME	451	49.9	36.3	44	30.6
HOME	1253	49.8	36.7	43.9	31
HOME	248	49.7	36.7	43.8	31.1
HOME	240	49.8	36.7	43.8	31.1
HOME	107	49.7	36.7	43.9	31.2
HOME	395	49.7	36.2	43.8	30.5
HOME	309	49.8	36.4	43.9	30.7
HOME	233	49.6	36.5	43.6	31
HOME	462	49.6	36.1	43.8	30.4
HOME	304	49.7	36.3	43.7	30.6
HOME	172	49.6	37.1	43.7	31.8
HOME	95	49.6	38.5	43.8	33.5
HOME	168	49.8	42	44.1	37.6
HOME	318	49.5	36	43.6	30.2
HOME	241	49.4	36.5	43.5	31
HOME	88	49.5	37.6	43.6	32.5
HOME	232	49.4	36.3	43.6	30.8
HOME	454	49.4	35.9	43.5	30
HOME	212	49.3	37	43.5	31.7
HOME	148	49.4	37.5	43.5	32.4
HOME	45	49.3	36.3	43.4	30.8
HOME	36	49.3	36.1	43.5	30.6
HOME	329	49.4	36	43.5	30.3
HOME	289	49.2	35.7	43.3	30
HOME	215	49.2	36.2	43.3	30.7
HOME	162	49.4	38.5	43.5	33.5
HOME	113	49.3	38.3	43.5	33.3
HOME	435	49.2	35.7	43.3	30
HOME	1262	49.2	35.7	43.3	30
HOME	224	49.2	36.4	43.2	31
HOME	154	49.6	42.7	43.9	38.3
HOME	33	49.1	35.9	43.3	30.3
HOME	383	49.1	35.6	43.2	29.9
HOME	1077	50.7	48.5	46. 1	44.7
HOME	1165	49.1	35.9	43.3	30.4
HOME	217	49	36.4	43	31
HOME	213	49.1	36.6	43.2	31.3
HOME	174	49.1	36.3	43.2	30.9
HOME	230	49	35.8	43.1	30.3
HOME	461	49	35.4	43.1	
HOME					29.7
	439	49	35.5	43.1	29.7
HOME	237	49	36.1	43.1	30.7
HOME	179	48.9	36.1	43.1	30.7
HOME	112	49	36.8	43	31.5
HOME	100	48.9	36.7	43.1	31.5
HOME	44	48.9	36	43	30.5
HOME	19	48.9	35.7	43.1	30.2
HOME	23	48.9	35.7	43.1	30.1
	2.3	+ 0.5	JJ.1	4J. I	au i

TABLE D-1Ground Absorption Coefficient Evaluation

Structure	-	Full Assumble Court December 1	ound Absorption = 0		round Absorption = 1
	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	Cut-in Sound Power Level (92.8 dBA Turbine Level)
Type	ID	(dBA)		(dBA)	
HOME	343	48.9	35.5	43	29.8
HOME	315	48.9	35.6	43	30
HOME	327	48.9	35.6	43	29.9
HOME	1015	48.9	37.4	43.2	32.4
HOME	246	48.9	35.8	43	30.3
HOME	277	48.8	35.7	42.9	30.1
HOME	110	48.9	36.2	42.9	30.7
HOME	152	48.9	37.4	43	32.3
HOME	124	49	38.9	43.2	34.1
HOME	72	48.9	37	42.9	31.8
HOME	336	48.9	35.5	42.9	29.7
HOME	200	48.8	36.9	42.9	31.7
HOME	192	48.7	36.2	42.8	30.8
HOME	183	48.8	35.6	42.9	30.1
HOME	41	48.8	35.7	42.9	30.2
HOME	387	48.8	35.3	42.8	29.6
HOME	1071	48.7	35.7	42.9	30.3
HOME	143	48.8	35.8	42.9	30.4
HOME	268	48.6	35.5	42.8	29.9
HOME	184	48.9	39.7	43	35
HOME	126	48.6	36	42.8	30.7
HOME	470	48.6	35.1	42.7	29.3
HOME	380	48.7	35.2	42.8	29.5 29.5
HOME	255	48.6	35.4		
HOME				42.7	29.9
	269	48.6	35.4	42.7	29.9
HOME	170	48.6	36.2	42.6	30.9
HOME	188	48.5	35.6	42.6	30.1
HOME	55	48.5	35.2	42.7	29.5
HOME	368	48.5	35.1	42.6	29.3
HOME	464	48.6	35.1	42.7	29.3
HOME	340	48.5	35.1	42.6	29.5
HOME	139	48.4	35.8	42.4	30.4
HOME	96	48.4	36	42.6	30.8
HOME	117	48.4	35.8	42.6	30.5
HOME	1074	48.4	35.9	42.5	30.6
HOME	98	48.4	36	42.5	30.8
HOME	111	48.4	35.7	42.5	30.5
HOME	114	48.5	38.8	42.8	34.1
HOME	463	48.3	34.8	42.4	29
HOME	438	48.4	34.9	42.5	29.2
HOME	344	48.4	35	42.5	29.3
HOME	1032	48.3	36.4	42.6	31.4
HOME	1258	48.4	36	42.4	30.7
HOME	472	48.4	34.9	42.4	29
HOME	116	48.4	38.7	42.7	34.1
HOME	392	48.3			
HOME	102	48.2	34.9	42.3	29.1
			34.9	42.3	29.2
HOME	1096	48.2	35	42.4	29.5
HOME	141	48.2	35.4	42.3	30
HOME	1240	48.2	34.8	42.4	29.2
HOME	293	48.2	34.8	42.4	29.2
HOME	220	48.2	35.3	42.2	29.8
HOME	165	48.3	37.4	42.3	32.4
HOME	155	48.2	35.8	42.2	30.5
HOME	9065	48.1	34.7	42.3	29
HOME	177	48.1	35.6	42.2	30.3
HOME	121	48	34.8	42	29.1
	283	48.1	35	42.1	29.3
HOME					
HOME HOME	134	48 1	3/ 1	4/4	૧૭ ૧
HOME	134 109	48.1 48	37.1 34.7	42.4 42.2	32.3
	134 109 326	48.1 48 48	37.1 34.7 34.7	42.4 42.2 42.1	32.3 29 29

	-	Sound Pressure Level, Gro		Sound Pressure Level, Ground Absorption = 1	
	Residence	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	Cut-in Sound Power Level (92.8 dBA Turbine Level)	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	Cut-in Sound Power Level (92.8 dBA Turbine Level)
Type	ID	(dBA)		(dBA)	
HOME	202	48	35.5	42	30.2
HOME	244	48	35.1	42	29.6
HOME	433	48	34.6	42	28.7
HOME	275	47.9	34.5	41.9	28.7
HOME	218	47.9	35.3	41.8	29.8
HOME	185	47.8	34.6	41.9	28.9
HOME	298	47.9	34.7	41.8	29
HOME	543	47.8	34.3	42.1	28.6
HOME	319	47.8	34.4	41.9	28.6
HOME	103	47.8	34.5	41.9	28.8
HOME	324	47.9	34.6	42	28.9
HOME	1110	47.8	35.3	41.8	29.9
HOME	1105	47.8	34.6	41.9	29.1
HOME	178	47.8	35.4	41.8	30.1
HOME	229	47.8	34.9	41.7	29.4
HOME	228	47.8	35	41.7	29.5
HOME	115	47.8	34.6	41.7	28.8
HOME	35	47.7	34.7	41.8	29.2
HOME	57	47.7	34.4	41.8	28.7
HOME	452	47.7	34.3	41.8	28.5
HOME	473	47.8	34.3		
				41.9	28.5
HOME	1127	47.7	35	41.7	29.6
HOME	1090	47.8	34.6	41.9	29.1
HOME	52	47.7	34.8	41.6	29.1
HOME	297	47.7	34.5	41.6	28.8
HOME	434	47.7	34.3	41.6	28.4
HOME	333	47.7	34.4	41.6	28.6
HOME	384	47.7	34.3	41.5	28.4
HOME	342	47.6	34.1	41.7	28.4
HOME	321	47.7	34.3	41.6	28.4
HOME	1010	47.7	36.3	41.9	31.4
HOME	225	47.6	34.8	41.5	29.3
HOME	186	47.5	34.4	41.5	28.7
HOME	99	47.6			
			35.5	41.6	30.3
HOME	50	47.6	34.6	41.5	28.9
HOME	53	47.6	34.3	41.6	28.6
HOME	460	47.6	34.1	41.6	28.3
HOME	398	47.6	34.2	41.6	28.4
HOME	314	47.5	34	41.6	28.3
HOME	243	47.5	34.6	41.5	
					29.1
HOME	234	47.5	34.8	41.4	29.2
HOME	108	47.4	34.3	41.4	28.5
HOME	77	47.5	35.1	41.6	29.9
HOME	382	47.4	34.1	41.3	28.2
HOME	1167	47.5	35.9	41.6	31
HOME	1241	47.4	34.1	41.5	28.4
HOME	282	47.4	34.3		
				41.3	28.6
HOME	175	47.5	35.2	41.4	30
HOME	235	47.4	34.7	41.3	29.2
HOME	106	47.4	35.5	41.4	30.3
HOME	32	47.3	34.3	41.3	28.8
HOME	118	47.4	34	41.4	28.3
HOME	1008	47.3	34.7	41.6	29.6
HOME	1033	47.4	35.5	41.5	30.5
HOME	1124	47.4	34.8	41.3	29.4
HOME	1242	47.4	34.1	41.5	28.4
HOME	1243	47.3	34	41.4	28.4
HOME	685	47.4	34.1	41.5	28.4
HOME	273	47.3	34.2	41.2	28.6
HOME	227				
		47.3	34.9	41.3	29.7
HOME	236	47.4	34.7	41.2	29.2
HOME	370	47.3	33.9	41.1	28.1

		Sound Pressure Level, Gro		Sound Pressure Level, Ground Absorption = 1		
Ctront	Dog!da	Full Acoustic Sound Power Level				
	Residence ID	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	
Type HOME	386	(dBA) 47.3	33.9	(dBA)	20.4	
				41.2	28.1	
HOME	1214	47.2	34.1	41.3	28.5	
HOME	270	47.1	34	41.1	28.3	
HOME	254	47.2	34.1	41.1	28.4	
HOME	305	47.2	34	41.1	28.3	
HOME	193	47.3	35.9	41.2	30.8	
CHURCH	105	47.3	38.8	41.6	34.3	
HOME	71	47.2	34.9	41.3	29.7	
HOME	101	47.3	38.8	41.6	34.3	
HOME	262	47.1	33.7	41.3	28.1	
HOME	1254	47.3	35.2	41.2	29.9	
HOME	135	47.2	34.6	41.1	29.3	
HOME	176	47.1	34.6	41	29.3	
HOME	61	47.1	33.9	41	28.1	
HOME	89	47.1	33.9	41	28.1	
HOME	207	47.1	34.8	41.1	29.6	
HOME	1007	47	33.9	41.3	28.6	
HOME	1035	47.2	36.8	41.3	32.1	
HOME	272	47	33.9	41.3	28.2	
	249	47				
HOME			33.9	40.9	28.2	
HOME	93	47	33.7	40.9	28	
HOME	129	47	35.2	40.9	30.1	
HOME	475	47	33.5	40.9	27.6	
HOME	123	47	33.7	41	27.9	
HOME	9001	48	44.3	42.8	40.2	
HOME	1259	47	33.8	41	28.2	
HOME	140	47	35	40.9	29.9	
HOME	256	46.9	33.8	40.9	28	
HOME	91	46.9	33.7	40.7	27.9	
HOME	367	46.9	33.6	40.7	27.7	
HOME	385	46.9	33.5	40.7	27.7	
HOME	127	46.8	33.5	40.8	27.7	
HOME	330	46.9	33.7	40.7	27.9	
HOME	328	46.9	33.5	40.9	27.7	
HOME	1081	47	37.3	41	32.6	
HOME	1224	46.9	33.7	40.9	28.1	
HOME	167	47	37.6	41	32.9	
HOME	180	46.9	35	40.8		
HOME	302	46.8	33.7		29.8	
HOME	9000	47.7		40.7	28	
			43.9	42.5	39.8	
HOME	1079	46.9	37.3	40.9	32.6	
HOME	1080	46.9	37.3	41	32.6	
HOME	1108	46.8	33.7	40.8	28.1	
HOME	137	46.8	35	40.6	29.9	
HOME	132	46.8	35.1	40.7	29.9	
HOME	59	46.7	34.5	40.7	29.3	
HOME	373	46.8	33.4	40.6	27.6	
HOME	1255	46.7	33.6	40.6	27.9	
HOME	138	46.7	34.4	40.5	29.1	
HOME	306	46.6	33.5	40.5	27.8	
HOME	198	46.6	33.5	40.4	27.7	
HOME	145	46.7	36.6	40.9	31.9	
HOME	469	46.6	33.1	40.5	27.2	
HOME	1039	46.6	35	40.6	29.9	
HOME	1040	46.7	36.8	40.8	32.1	
HOME	1040	46.7	36.7	40.7	32.1	
HOME	1041	46.6	35.2	40.7 40.7		
					30.3	
HOME	247	46.6	33.8	40.4	28.3	
HOME	341	46.5	33.3	40.3	27.4	
HOME	457	46.5	33.1	40.4	27.2	
	274	46.5	33.3	40.3	27.6	
HOME HOME	245	46.4	33.7	40.2	28.1	

		Sound Pressure Level, Gro		Sound Pressure Level, Ground Absorption = 1	
04	D:-	Full Acoustic Sound Power Level			
	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
Type	ID 20	(dBA)	00.0	(dBA)	
HOME	29	46.4	33.6	40.3	28.1
HOME	332	46.3	33	40.3	27.2
HOME	403	46.5	33.1	40.3	27.3
HOME	97	46.3	32.9	40.5	27.3
HOME	352	46.4	33	40.4	27.1
HOME	1045	46.4	33.9	40.3	28.5
HOME	280	46.3	33.2	40.1	27.4
HOME	292	46.3	33.3	40.2	27.6
HOME	163	46.5	38.1	40.6	33.5
HOME	251	46.3	33.2	40.1	27.4
HOME	31	46.3	33.5	40.2	28
HOME	226	46.4	33.8	40.3	28.5
HOME	416	46.3	33		
HOME	422			40.1	27.1
		46.3	33	40.1	27.1
HOME	424	46.3	33	40.1	27.1
HOME	430	46.4	33	40.2	27.1
HOME	459	46.3	32.9	40.2	27
HOME	120	46.2	32.9	40.2	27.1
HOME	30	46.2	33.4	40.1	27.9
HOME	375	46.2	33	40	27.1
CHURCH	231	46.2	33.7	40.1	28.3
HOME	417	46.2	32.9	40	27
HOME	425	46.2	32.9	40	27
HOME	1000	46.2	35.4	40.4	30.6
HOME	1256	46.2	32.9	40	27
HOME	153	46.3	35.8	40.3	
HOME	281	46.2			31
			33.2	40	27.6
HOME	151	46.4	38.5	40.6	34
HOME	379	46.1	32.9	39.9	27
HOME	264	46.2	33.5	40	28.1
HOME	271	46.2	33.3	40.1	27.8
HOME	149	46.2	36.6	40.3	32
HOME	400	46.1	32.8	39.9	26.9
HOME	421	46.1	32.8	39.9	26.9
HOME	426	46.2	32.9	39.9	27
HOME	409	46.2	32.9	39.9	27
HOME	448	46	32.6	40.2	26.8
HOME	119	46.1	32.7	40	
HOME	391	46.2	32.9		27
				40	27
HOME	404	46.1	32.6	40	26.7
HOME	266	46	32.8	39.9	26.9
HOME	160	46.3	38.2	40.4	33.7
HOME	377	46	32.8	39.7	26.9
HOME	371	46.1	32.8	39.8	26.9
HOME	389	46.1	32.8	39.8	26.9
HOME	411	46.1	32.8	39.8	26.9
HOME	412	46.1	32.8	39.8	26.9
HOME	415	46	32.7	39.8	26.8
HOME	419	46.1	32.8	39.8	26.9
HOME	394	46	32.7	39.7	26.8
HOME	420	46.1	32.8		
HOME	423			39.8	26.9
		46.1	32.8	39.8	26.9
HOME	456	46.1	32.6	39.9	26.7
HOME	455	46	32.6	39.8	26.7
HOME	453	46.1	32.7	39.8	26.7
HOME	362	45.9	32.5	40	26.8
HOME	278	46	32.6	40	26.9
HOME	1024	46.1	34.1	40	29
HOME	1044	46	34.2	39.9	29.1
HOME	1115	45.9	32.9	39.9	27.4
HOME	287	46	33	39.8	27.4 27.3
		46.1	36.7	39.6 40.1	
HOME	142				32.1

		Sound Pressure Level, Gro		Sound Pressure Level, Gro	
	Residence ID	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
Type HOME	378	(dBA) 45.9	32.7	(dBA) 39.7	26.8
HOME	357	45.9	32.7	39.6	26.8
HOME	354	45.9	32.7	39.6	26.8
HOME	399	46	32.7	39.7	26.8
HOME	401	45.9	32.6	39.6	26.8
HOME	410	45.9	32.7	39.7	
HOME	393	45.9	32.7	39.6	26.8
HOME	418	46	32.7	39.7	26.7
HOME	474	45.9	32. <i>1</i> 32.4		26.8
				39.9	26.6
HOME	1046	46.1 46	37.2	40.1	32.6
HOME	1146		35.7	40	30.9
HOME	307	45.8	32.8	39.7	27.1
HOME	150	46.1	38.3	40.2	33.9
HOME	358	45.9	32.6	39.6	26.7
HOME	374	45.9	32.6	39.6	26.7
HOME	376	45.8	32.6	39.5	26.7
HOME	347	45.9	32.7	39.6	26.8
HOME	156	46	36.4	40	31.8
HOME	405	45.9	32.6	39.6	26.7
HOME	414	45.9	32.6	39.6	26.7
HOME	397	45.8	32.6	39.5	26.7
HOME	161	46	38	40.1	33.5
HOME	349	45.7	32.5	39.4	26.6
HOME	350	45.7	32.5	39.4	26.7
HOME	360	45.8	32.5	39.4	26.6
HOME	351	45.8	32.6	39.5	26.7
HOME	366	45.8	32.5	39.5	26.6
HOME	346	45.8	32.6	39.5	26.7
HOME	348	45.8	32.6	39.5	26.7
HOME	265	45.7	33	39.6	27.6
HOME	407	45.8	32.5	39.5	26.6
HOME	476	45.7	32.2	39.6	26.2
HOME	388	45.8	32.5	39.5	26.7
HOME	402	45.8	32.5	39.4	26.6
HOME	408	45.8	32.5	39.5	26.6
HOME	361	45.7	32.3	39.6	26.4
HOME	157	45.8	36.4	39.8	31.8
HOME	159	45.9	38	40	33.5
HOME	363	45.7	32.5	39.4	26.6
HOME	365	45.7	32.5	39.4	26.6
HOME	355	45.7	32.5	39.4	26.6
HOME	279	45.7	32.9	39.5	
HOME	171	45.8			27.4
HOME	390	45.7	36.1	39.8	31.5
HOME			32.4	39.4	26.5
	250	45.6 45.0	32.5	39.3	26.6
HOME	147	45.8	38.1	39.9	33.7
HOME	182	45.7	35.2	39.6	30.5
HOME	436	45.5	32.1	39.4	26.2
HOME	478	45.5	32	39.3	26
HOME	194	45.5	32.1	39.5	26.3
HOME	1182	45.7	35.2	39.6	30.5
HOME	158	45.8	37.9	39.8	33.4
HOME	136	45.7	38.2	39.8	33.7
HOME	310	45.5	32.4	39.3	26.8
HOME	396	45.5	32.2	39.3	26.3
HOME	1058	45.4	32.6	39.3	27.2
HOME	208	45.4	33.8	39.3	28.7
HOME	257	45.3	31.9	39.3	26.1
HOME	1073	45.3	32.4	39.2	27
HOME	223	45.3	32.2	39	26.5
I I O I VILL					
HOME	28	45.2	32.6	39.1	27.3

		Sound Pressure Level, Gr Full Acoustic Sound Power Level		Sound Pressure Level, Gro	
Structure	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	Cut-in Sound Power Level (92.8 dBA Turbine Level)
Type	ID	(dBA)	(92.6 dbA Turbine Lever)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
HOME	9040	45.1	31.6	39.2	25.8
HOME	1164	45.2	32.3	39.1	26.7
HOME	146	45.5	37.4	39.5	32.9
HOME	294	45.2	32.3	38.9	26.7
HOME	191	45.2	34.8	39.1	30
CHURCH	413	45.1	31.6	39.1	25.7
HOME	364	45.1	31.8	39	
HOME	122	45.1	31.8		26
HOME	260	45.1		39	26
HOME	252	45.1	31.9	38.8	26.1
HOME			31.9	38.8	26.1
HOME	56	45.1	33.2	39	28.1
	15	45 45 2	32.4	38.9	27.1
HOME	276	45.2	32.4	38.9	26.9
HOME	477	45	31.5	38.8	25.5
HOME	381	45.1	31.8	38.8	25.9
HOME	1085	45	32.2	38.9	26.7
HOME	443	44.9	31.4	39	25.7
HOME	261	44.8	31.7	38.5	25.8
HOME	253	44.8	31.7	38.6	25.9
HOME	299	44.9	32	38.6	26.3
HOME	205	44.9	33.6	38.7	28.7
HOME	196	45	34.5	38.8	29.7
HOME	512	44.8	31.3	38.8	25.5
HOME	263	44.8	31.6	38.5	25.7
HOME	94	45.1	36.8	39.1	32.3
HOME	300	44.8	31.9	38.5	26.3
HOME	479	44.7	31.3	38.5	25.2
HOME	125	44.7	31.5	38.6	25.7
HOME	323	44.7	31.4	38.7	25.7
HOME	90	45.1	38.7	39.3	34.3
HOME	51	44.7	32.7	38.5	27.6
HOME	345	44.7	31.6	38.4	25.7
HOME	301	44.7	31.8	38.4	26.2
HOME	206	44.8	34.2	38.6	29.4
HOME	199	44.8	34.8	38.6	30.1
HOME	335	44.6	31.5	38.3	25.7
HOME	210	44.7	33.8	38.5	28.9
HOME	465	44.5	31	38.5	25.1
HOME	480	44.5	31.1	38.3	25.1
HOME	303	44.5	31.3	38.6	25.7
HOME	70	44.6	34	38.5	29.2
HOME	338	44.5	31.4	38.2	25.6
HOME	211	44.5	33.4	38.3	28.5
HOME	429	44.4	30.9	38.2	24.9
HOME	523	44.5	31	38.3	25
HOME	313	44.5	31.4	38.2	25.5
HOME	985	44.4	32.4	38.4	23.3 27.4
HOME	481	44.4	31	38.2	
HOME	290	44.4	31.5		25
HOME	203	44.5		38.1	25.9
			33.7	38.3	28.9
HOME	65 360	44.9	39	39.2	34.7
HOME	369 431	44.3	31	38.2	25.2
HOME	431	44.4	31	38.1	25.1
HOME	92	44.6	36.4	38.6	31.9
HOME	509	44.2	30.7	38.1	24.9
HOME	311	44.3	31.4	38	25.7
HOME	84	44.2	32.7	38.1	27.8
HOME	428	44.1	30.8	37.8	24.9
HOME	1173	44.1	31.3	37.9	25.8
HOME	83	44.2	34.7	38.2	30.2
HOME HOME	82 64	44.2 44.6	34.6 38.7	38.2 38.9	30 34.4

		Sound Pressure Level, G		Sound Pressure Level, Ground Absorption = 1	
.					
	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
Type	ID .	(dBA)		(dBA)	
HOME	484	44	30.6	37.8	24.6
HOME	1022	44	31.3	38	25.9
HOME	406	44	30.8	37.7	25
HOME	485	43.9	30.5	37.7	24.5
HOME	486	43.9	30.5	37.7	24.5
HOME	372	44	30.8	37.7	24.9
HOME	316	44	30.6	37.8	24.6
HOME	1066	43.9	31.3	37.7	25.8
HOME	1213	43.9	31	37.7	25.5
HOME	427	43.9	30.6	37.6	24.6
HOME	1068	43.9	31.2	37.7	25.8
HOME	80	44	34.9	38	30.3
HOME	58	44.4	38.9	38.7	34.6
HOME	312	43.8	31	37.5	25.4
HOME	1232	43.7	30.5	37.7	24.9
HOME	85	43.8	32.3	37.6	27.4
HOME	491	43.6	30.2	37.4	24.2
HOME	487	43.7	30.3	37.4	24.3
HOME	490	43.7	30.3	37.4	24.2
HOME	489	43.6	30.2	37.4	24.2
HOME	488	43.7	30.3	37.4	24.2
HOME	60	43.7	32.1	37.4	27.2
HOME	1023	43.5	30.8	37.4	25.5
HOME	308	43.5	30.7	37.2	25
HOME	86	43.6	32.1	37.4	27.2
HOME	62	43.6	32.3	37.4	27.4
HOME	11	43.4	30.8	37.3	25.4
HOME	47	43.6	31.8	37.4	26.7
HOME	54	44	38.4	38.3	34.1
HOME	494	43.4	29.9	37.1	23.9
HOME	497	43.4	29.9	37.1	23.9
HOME	498	43.4	30	37.1	23.9
HOME	499	43.3	29.9	37.1	23.9
	500				
HOME		43.4	29.9	37.1	23.9
HOME	1088	43.4	30.7	37.2	25.3
HOME	1247	43.4	30.2	37.3	24.5
HOME	69	43.6	35.1	37.6	30.7
HOME	495	43.3	29.9	37	23.9
HOME	496	43.3	29.9	37	23.9
HOME	524	43.3	29.9	37.1	23.9
HOME	79	43.7	37.2	37.9	32.9
HOME	74	43.7	36.9	37.8	32.6
HOME	76	43.6	37.4	37.9	33.1
HOME	81	43.7	37.5	37.9	33.2
HOME	75	43.7	37.3	37.9	33
HOME	78	43.7	37.3	37.9	33
HOME	73	43.6	37.4	37.9	33
HOME	482	43.1	29.6	37	23.6
HOME	68	43.5	35.9	37.5	31.5
HOME	67	43.4	35.7	37.5	31.3
HOME	432	43.1	29.8	36.8	23.8
HOME	507	43.1	29.7		
				36.8	23.7
HOME	506	43.1	29.7	36.8	23.7
HOME	508	43.1	29.7	36.8	23.7
HOME	503	43.1	29.7	36.8	23.7
HOME	504	43.1	29.7	36.8	23.7
HOME	339	43.2	30.2	36.9	24.5
HOME	63	43.3	35.4	37.3	31
HOME	513	43	29.5	36.7	23.3
HOME	510	43	29.6	36.7	23.6
CHURCH	441	42.9	29.5	36.8	23.8
		42.9	29.7	36.7	23.8

	-	Sound Pressure Level, Gro		Sound Pressure Level, G	
Ctructure.	Danielana	Full Acoustic Sound Power Level	Cut-in Sound Power Level	Full Acoustic Sound Power Leve	
	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
Type	1D 66	(dBA) 43.4	37	(dBA)	20.7
HOME				37.6	32.7
HOME	320	42.9	29.5	36.6	23.5
HOME	1252	43.4	37.1	37.6	32.8
HOME	46	43.3	37.3	37.5	33
HOME	505	42.8	29.3	36.5	23.1
HOME	516	42.9	29.3	36.5	23.1
HOME	521	42.7	29.2	36.4	23
HOME	518	42.8	29.2	36.4	23.1
HOME	519	42.7	29.2	36.4	23
HOME	520	42.7	29.2	36.4	23
SCHOOL	517	42.7	29.2	36.4	23
HOME	1163	42.7	30.1	36.5	24.7
HOME	39	42.7	31	36.5	26
HOME	529	42.6	29.1	36.2	22.9
HOME	531	42.7	29.3	36.3	23.3
		42.5			
HOME	526		29	36.2	22.8
HOME	527	42.5	29	36.2	22.8
HOME	525	42.5	29	36.2	22.8
HOME	528	42.5	29	36.2	22.8
HOME	530	42.5	29	36.1	22.8
HOME	483	42.4	29	36.2	23.1
HOME	334	42.5	29.3	36.2	23.6
HOME	533	42.5	29	36.1	22.7
HOME	532	42.5	29	36.1	22.7
HOME	536	42.4	28.9	36.1	22.7
HOME	535	42.4	28.9	36.1	22.7
HOME	534	42.4	28.9	36.1	22.7
HOME	522	42.4	28.9	36.1	22.7
		42.4			
HOME	1191		29.8	36.1	24.4
HOME	43	42.8	36.5	37	32.2
HOME	537	42.4	28.9	36	22.8
HOME	538	42.3	28.9	36	22.8
HOME	502	42.3	28.9	36	23
HOME	197	42.3	29.1	36.1	23.2
HOME	221	42.3	29	36.1	23.2
HOME	588	42.3	28.9	36	22.8
HOME	539	42.2	28.7	35.8	22.5
HOME	540	42.2	28.7	35.9	22.5
HOME	541	42.2	28.7	35.9	22.5
HOME	542	42.2	28.7	35.8	22.5
HOME	545	42.2	28.7	35.8	22.5
HOME	549	42	28.5	35.7	22.3
HOME	550	42	28.5	35.7	22.3
HOME	547	42	28.5	35.7	22.4
HOME	34	42	30.3	35.8	25.4
HOME	1250	42	28.9	35.8	23.2
HOME	553	41.9	28.4	35.6	22.2
HOME	551	42	28.5	35.6	22.3
HOME	554	41.9	28.4	35.6	22.2
HOME	1251	41.9	28.8	35.7	23.1
HOME	38	42.3	35.7	36.5	31.4
HOME	204	41.8	28.6	35.6	
					22.7
HOME	569	41.8	28.3	35.4	22.1
HOME	563	41.8	28.3	35.4	22.1
HOME	564	41.8	28.3	35.4	22.1
HOME	566	41.7	28.3	35.4	22.1
HOME	567	41.7	28.3	35.4	22.1
HOME	1257	41.8	30.1	35.6	25.2
HOME	1017	41.6	29.2	35.5	24
	130	41.6	28.4	35.3	22.6
HOME			=:::	****	
HOME HOME	26	41.6	30	35.4	25.2

	_	Sound Pressure Level, Gro		Sound Pressure Level, G	
	Residence	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	Cut-in Sound Power Level (92.8 dBA Turbine Level)	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	Cut-in Sound Power Level (92.8 dBA Turbine Level)
Type	ID 570	(dBA)		(dBA)	
HOME	572	41.6	28.1	35.2	21.9
HOME	571	41.6	28.1	35.2	21.9
HOME	573	41.5	28.1	35.2	21.9
HOME	570	41.6	28.1	35.2	21.9
HOME	501	41.4	27.9	35.1	21.8
HOME	1212	41.5	28.9	35.2	23.6
HOME	576	41.4	27.9	35	21.7
HOME	578	41.3	27.9	35	21.7
	579				
HOME		41.3	27.9	35	21.7
HOME	580	41.4	27.9	35	21.7
HOME	556	41.4	27.9	35.1	21.8
HOME	978	41.4	30.8	35.3	26.2
HOME	1101	41.3	28.9	35	23.6
HOME	1103	41.3	28.9	35.1	23.7
HOME	981	41.3	31.4	35.2	26.9
HOME					
	980	41.3	31.2	35.2	26.7
HOME	1106	41.3	28.8	35	23.6
HOME	1207	41.3	28.7	35	23.4
HOME	581	41.2	27.7	34.8	21.5
HOME	515	41.1	27.6	34.8	21.4
HOME	977	41.2	30.3	35	25.6
HOME	979	41.2	31.3	35.1	26.8
HOME	584	41.1	27.7	34.8	
					21.5
HOME	583	41.1	27.7	34.8	21.5
HOME	582	41.1	27.7	34.8	21.5
HOME	48	41.2	30.7	35.1	26.2
HOME	514	41	27.5	34.7	21.4
HOME	238	41.1	27.9	34.8	22
HOME	144	41	27.9	34.7	22
HOME	1034	41			
			28.7	34.8	23.6
HOME	972	40.9	30.3	34.8	25.7
HOME	1114	40.9	28.5	34.7	23.3
HOME	49	41.2	32.9	35.2	28.6
HOME	14	41	29.5	34.8	24.7
HOME	585	40.8	27.4	34.5	21.2
HOME	9020	40.8	27.5	34.5	21.7
HOME	1217	40.9	28.3		
				34.6	23
HOME	18	41.1	34.2	35.3	29.9
HOME	267	40.8	27.6	34.4	21.7
HOME	442	40.7	27.3	34.3	21.3
HOME	164	40.6	27.5	34.3	21.7
HOME	971	40.7	29.9	34.5	25.2
HOME	1216	40.7	28.2	34.4	22.9
HOME	544	40.5	27.1	34.3	21
HOME					
	440	40.6	27.2	34.2	21.2
HOME	25	40.6	29.4	34.4	24.8
HOME	444	40.5	27.1	34.2	21.1
HOME	173	40.5	27.4	34.1	21.6
HOME	9	40.4	28.2	34.2	23.2
HOME	548	40.4	26.9	34.1	20.9
HOME	181	40.3	27.2	34	
					21.4
HOME	1062	40.4	28.2	34.1	23.1
HOME	587	40.4	27	34	20.8
HOME	1078	40.4	28.2	34.1	23.1
HOME	558	40.2	26.8	34	20.7
HOME	546	40.2	26.8	34	20.8
HOME	1031	40.3		34	
			28.1		23.1
HOME	1147	40.3	28	34	22.8
HOME	190	40.2	27.1	33.9	21.3
HOME	9021	40.1	26.9	33.8	21.1
		40.4	20.0		
HOME	562	40.1	26.6	33.8	20.6

TABLE D-1 Ground Absorption Coefficient Evaluation

		Sound Pressure Level, Gr		Sound Pressure Level, Ground Absorption = 1		
C4 '	n	Full Acoustic Sound Power Level		Full Acoustic Sound Power Leve		
	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	
Туре	1D	(dBA)	27.0	(dBA)	00.7	
HOME	1161	40.1	27.8	33.8	22.7	
HOME	1130	40.1	27.8	33.8	22.7	
HOME	1111	40	27.8	33.8	22.7	
HOME	1076	40	27.9	33.7	22.8	
HOME	12	40.1	28.7	33.9	24	
HOME	1149	40	27.7	33.7	22.6	
HOME	1205	40	27.6	33.7	22.5	
HOME	2	40	27.8	33.8	22.7	
HOME	568	39.9	26.5	33.6	20.4	
HOME	189	39.9	26.8	33.5	21	
HOME	1036	39.9	27.8	33.7	22.8	
HOME	1113	39.9	27.7	33.6	22.6	
HOME	1	39.9	27.7	33.7	22.7	
HOME	40	40	29.8	33.9	25.4	
		39.8				
HOME	565		26.3	33.5	20.3	
HOME	1064	39.8	27.7	33.5	22.7	
HOME	1006	39.7	27.7	33.6	22.8	
HOME	17	39.9	29.1	33.7	24.6	
HOME	42	39.9	31.8	34	27.6	
HOME	9062	39.8	29	33.6	24.5	
HOME	37	39.7	29.5	33.6	25.2	
HOME	20	39.6	29	33.5	24.6	
HOME	22	39.6	29	33.4	24.6	
HOME	27	39.5	29	33.4	24.6	
HOME	195	39.3	26.3	33	20.5	
HOME	590	39.4	25.9	33	19.8	
HOME	21	39.4	29	33.3	24.7	
HOME	24	39.5	29	33.3	24.6	
HOME	8	39.2	27.3	33	22.5	
HOME	322	39.2	26.1	32.9	20.2	
HOME	9064	39.3	26.2	32.9	20.5	
HOME	961	39.4	29.9	33.3	25.7	
HOME	974	39.2	27.7	33	23	
HOME	1104	39.2	27.1	33	22.2	
HOME	975	39.1	27.6	32.9	22.9	
HOME	1129	39.1	27	32.8	22	
HOME	353	39	25.7	32.7	19.9	
HOME	552	39	25.6	32.7	19.6	
HOME	1075	39	27	32.7	22.1	
HOME	356	38.9	25.7	32.6		
					19.8	
HOME	511	38.9	25.3	32.6	19	
HOME	16	39.1	29.1	33	24.8	
HOME	1159	38.8	26.7	32.5	21.8	
HOME	957	38.7	29.1	32.7	24.9	
HOME	1231	38.7	26.1	32.4	20.9	
HOME	592	38.5	25.1	32.2	19.1	
HOME	10	38.6	27.5	32.4	23	
HOME	258	38.5	25.5	32.2	19.8	
HOME	493	38.3	24.7	31.9	18.3	
HOME	201	38.4	25.4	32	19.7	
HOME	1150	38.4	26.4	32.1	21.5	
HOME	1223	38.4	26.1	32.1	21.3	
		38				
HOME	9022		24.4	31.6	18	
HOME	492	37.8	24.2	31.5	17.9	
HOME	1230	37.8	25.4	31.5	20.3	
HOME	951	37.7	28.4	31.7	24.3	
HOME	608	37.5	23.9	31.2	17.6	
SCHOOL	1166	37.5	25.6	31.3	20.9	
HOME	962	37.3	26.3	31.2	21.8	
HOME	606	37.4	23.8	31.1	17.5	
HOME	615	37.5	23.9	31.1	17 <i>.</i> 5	

		Sound Pressure Level, Ground Absorption = 0		Sound Pressure Level, Ground Absorption = 1		
	•	Full Acoustic Sound Power Level			Cut-in Sound Power Level	
Structure	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	
Туре	ID	(dBA)		(dBA)		
HOME	593	37.4	23.8	31	17.4	
HOME	1084	37.3	25.6	31	20.9	
HOME	1158	37.2	25.4	31	20.7	
HOME						
	1144	37.3	25.4	31	20.7	
HOME	1151	37.2	25.4	31	20.7	
HOME	7	37.3	26.4	31.2	22.1	
HOME	467	37.1	23.9	30.9	18.1	
HOME	437	37.1	24	30.9	18.2	
HOME	1067	37.1	25.5	30.9	20.8	
HOME	3	37.2	26.4	31.1	22.1	
HOME	604	37.1				
			23.5	30.8	17.2	
HOME	1187	37.1	25.3	30.9	20.5	
HOME	1239	37.1	24.8	30.9	19.8	
HOME	6	37.1	26.4	31	22.1	
HOME	4	37.1	26.4	31	22.1	
HOME	317	36.9	23.9	30.6	18.3	
HOME	613	37	23.4	30.7	17.1	
HOME	5	37				
			26.4	30.9	22.1	
HOME	609	36.9	23.3	30.6	17	
HOME	602	36.8	23.2	30.4	16.8	
HOME	594	36.8	23.2	30.4	16.8	
HOME	1199	36.8	24.9	30.6	20.2	
HOME	605	36.7	23.1	30.3	16.7	
HOME	1235	36.7	24.4	30.5	19.5	
HOME	612	36.7	23.1	30.3		
					16.7	
HOME	600	36.6	23	30.3	16.7	
HOME	1209	36.7	24.7	30.5	20	
HOME	1225	36.6	24.4	30.4	19.6	
HOME	1211	36.5	24.6	30.3	19.9	
HOME	466	36.3	23.2	30.1	17.5	
HOME	559	36.4	23.1	30.1	17.3	
HOME	610	36.4	22.8	30.2	16.6	
HOME	611	36.3	22.7	30.1	16.5	
HOME	618	36.4	22.8	30.2	16.6	
HOME	626	36.4	22.8	30.1	16.5	
HOME	1192	36.5	24.7	30.3	20	
HOME	1248	36.4	24	30.2	19	
HOME	1218	36.5	24.5	30.3	19.7	
HOME	1222	36.4	24.4	30.2	19.6	
HOME	955	36.3	25.6	30.1	21.2	
HOME	616	36.3	22.7	30	16.4	
HOME	625	36.4	22.8	30	16.4	
HOME	1193	36.3	24.6	30.1	19.9	
HOME	1238	36.4	24.1	30.2	19.3	
HOME	1226	36.4	24.3	30.2		
HOME					19.5	
	1229	36.4	24.2	30.2	19.3	
HOME	9023	36.2	22.6	29.9	16.3	
HOME	1160	36.2	24.6	30	20	
HOME	1246	36.3	23.9	30	19	
HOME	1210	36.3	24.4	30.1	19.7	
HOME	1100	36.1	24.6	29.9	20	
HOME	216	35.9	23.1	29.7	17.7	
HOME	586					
		35.8	22.2	29.5	15.9	
HOME	1195	35.9	24.2	29.8	19.6	
HOME	219	35.8	23	29.5	17.6	
HOME	614	35.8	22.2	29.5	15.9	
HOME	1157	35.9	24.3	29.7	19.7	
HOME	555	35.7	22.5	29.4	16.7	
HOME	222	35.7				
			22.9	29.4	17.5	
HOME	596	35.7	22.1	29.4	15.8	
HOME	938	35.6	25.2	29.5	21	
HOME	629	35.6	22	29.3	15.7	

		Sound Pressure Level, Gr		Sound Pressure Level, Ground Absorption = 1		
Structura	Residence	Full Acoustic Sound Power Level		Full Acoustic Sound Power Leve		
Type	ID	(106.4 dBA Turbine Level) (dBA)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	
HOME	620	35.4	21.8	(dBA) 29.2	1E C	
HOME	1162	35.5			15.6	
			23.9	29.3	19.4	
HOME	1196	35.5	23.8	29.3	19.2	
HOME	561	35.4	22.2	29.1	16.5	
HOME	621	35.3	21.7	29.1	15.5	
HOME	9024	35.3	21.7	29	15.4	
HOME	1065	35.2	23.9	29.1	19.5	
HOME	631	35.3	21.7	29.1	15.5	
HOME	916	35.3	25.7	29.3	21.6	
HOME	286	35.2	22.3	28.9	16.9	
HOME	982	35.1	24.1	28.9	19.8	
HOME	607	35.2	21.6	28.9	15.3	
HOME	623	35.2	21.6	28.9	15.3	
HOME	589	35.2	22			
				28.9	16.3	
HOME	913	35.1	25.5	29.1	21.5	
HOME	285	35	22.1	28.7	16.8	
HOME	1152	35	23.5	28.8	19.1	
HOME	1237	35	23	28.9	18.3	
HOME	1220	35.1	23.2	29	18.7	
HOME	634	34.9	21.3	28.7	15.1	
HOME	619	34.8	21.2	28.6	15	
HOME	636	34.8	21.2	28.6	15	
HOME	918	34.7	24.5	28.7	20.5	
HOME	1203	34.7	23.1	28.6	18.6	
HOME	337	34.6	21.7	28.4	16.3	
HOME	638	34.7	21.1			
				28.5	14.9	
HOME	603	34.5	20.9	28.3	14.7	
HOME	909	34.6	25.1	28.6	21.2	
HOME	1233	34.7	22.7	28.6	18.1	
HOME	1197	34.7	23	28.5	18.6	
HOME	557	34.5	21.4	28.3	15.8	
HOME	331	34.5	21.6	28.3	16.3	
HOME	617	34.5	20.9	28.3	14.7	
HOME	1234	34.6	22.6	28.5	18.1	
HOME	1200	34.6	22.9	28.4	18.5	
HOME	1030	34.4	23.3	28.3	19.1	
HOME	1156	34.5	23.1			
				28.3	18.7	
HOME	640	34.4	20.8	28.2	14.6	
HOME	359	34.2	21.3	28.1	16	
HOME	637	34.3	20.7	28.1	14.5	
HOME	601	34.1	20.5	27.9	14.3	
HOME	577	34.1	21	28	15.5	
HOME	970	34.1	23.4	28	19.3	
HOME	627	34.1	20.5	27.9	14.3	
HOME	642	34.2	20.6	28	14.4	
HOME	632	34.2	20.6	28	14.4	
HOME	599	34	20.4	27.8	14.2	
HOME	914	34	24	28	20.1	
HOME		33.9				
	1038		22.9	27.8	18.7	
HOME	597	33.9	20.3	27.7	14.1	
HOME	628	33.9	20.3	27.7	14.1	
HOME	1148	34	22.7	27.9	18.4	
HOME	911	33.8	23.9	27.8	20	
HOME	575	33.7	20.6	27.6	15.2	
HOME	649	33.7	20.1	27.6	14	
HOME	1236	33.8	21.9	27.7	17.5	
HOME	624	33.6	19.9	27.4	13.8	
HOME	598	33.5	19.9	27.3		
					13.7	
HOME	1072	33.6	22.6	27.5	18.4	
HOME	1003	33.5	22.7	27.4	18.6	
HOME	650	33.5	19.9	27.4	13.8	
HOME	653	33.5	19.9	27.4	13.8	

		Sound Pressure Level, G		Sound Pressure Level, Ground Absorption = 1	
CAmuratura	D:d	Full Acoustic Sound Power Leve		Full Acoustic Sound Power Level	
	Residence ID	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
Type HOME	9057	(dBA) 33.6	20	(dBA) 27.4	10.0
HOME					13.8
	651	33.5	19.9	27.4	13.8
HOME	574	33.4	20.3	27.2	14.9
HOME	652	33.4	19.8	27.3	13.7
HOME	641	33.4	19.8	27.2	13.6
HOME	9053	33.5	19.9	27.3	13.7
HOME	9056	33.4	19.8	27.2	13.6
HOME	655	33.3	19.7	27.2	13.6
HOME	9025	33.2			
			19.6	27	13.4
HOME	1194	33.2	21.9	27.2	17.7
HOME	622	33.1	19.5	26.9	13.3
HOME	646	33.2	19.6	27.1	13.5
HOME	1204	33.2	21.8	27.2	17.6
HOME	630	33.1	19.5	26.9	13.3
HOME	1221	33.2	21.6	27.2	17.3
HOME	1215	33.2			
			21.7	27.2	17.4
HOME	1198	33.1	21.8	27.1	17.6
HOME	1227	33.1	21.5	27.1	17.2
HOME	1219	33	21.5	27.1	17.3
HOME	894	33	23.8	27.1	20.1
HOME	1228	33	21.4	27	17.1
HOME	1002	32.7	22.1	26.7	18.1
HOME	656	32.8	19.2	26.8	
					13.2
HOME	648	32.9	19.3	26.7	13.1
HOME	647	32.8	19.2	26.7	13.1
HOME	901	32.8	23.2	26.8	19.4
HOME	635	32.7	19.1	26.5	12.9
HOME	9026	32.5	18.9	26.4	12.8
HOME	899	32.6	23.1	26.7	19.3
	921				
HOME		32.4	22.3	26.4	18.4
HOME	897	32.5	22.9	26.6	19.1
HOME	1026	32.4	21.7	26.3	17.7
HOME	1070	32.4	21.6	26.4	17.6
HOME	9052	32.4	18.8	26.4	12.8
HOME	1135	32.4	21.3	26.4	17.3
HOME	1206	32.2	21	26.4	16.9
HOME		32			
	662		18.4	26	12.4
HOME	917	31.9	22	26	18.2
HOME	1009	31.9	21.4	25.9	17.5
HOME	1082	31.9	21.1	25.9	17.2
HOME	1099	31.9	21.1	26	17.1
HOME	644	31.8	18.2	25.7	12.1
HOME	996	31.7	21.3	25.7	17.4
HOME					
	1116	31.7	20.8	25.9	16.9
HOME	1112	31.8	20.9	25.9	17
HOME	912	31.8	21.9	25.9	18.1
HOME	1029	31.6	21.1	25.6	17.2
HOME	643	31.5	17.9	25.4	11.8
HOME	883	31.6	22.3	25.7	18.6
HOME	1109	31.5	20.7	25.6	16.8
HOME	1069	31.4	20.8	25.5	16.9
HOME	877	31.4	22.1	25.6	18.5
HOME	1202	31.4	19.8	25.6	15.6
HOME	1027	31.2	20.8	25.3	17
HOME	1208	31.3	19.7	25.5	15.5
HOME	949	31.2	21.1	25.3	
					17.4
HOME	645	31.1	17.5	25	11.4
HOME	947	31.1	21.1	25.2	17.4
HOME	658	31	17.4	25	11.4
HOME	1019	31	20.6	25.1	16.8
HOME	1028	31	20.6	25.1	16.8
HOME	946	31	20.9	25.1	17.3

		Sound Pressure Level, Ground Absorption = 0			Sound Pressure Level, Ground Absorption ≈ 1		
C44	Desidence	Full Acoustic Sound Power Level	Cut-in Sound Power Level	Full Acoustic Sound Power Level			
	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)		
Type	ID	(dBA)		(dBA)			
HOME	663	31	17.4	25.1	11.5		
HOME	944	30.8	20.8	24.9	17.1		
HOME	945	30.8	20.8	25	17.2		
HOME	660	30.8	17.2	24.8	11.2		
HOME	665	30.8	17.2	24.9	11.3		
HOME	9027	30.7	17.1	24.6	11		
HOME	9041	30.8	17.2	24.9	11.3		
HOME	867	30.8	21.7	25			
HOME	668	30.7	17.1		18.2		
				24.8	11.2		
HOME	900	30.7	21.1	24.9	17.5		
HOME	633	30.5	16.9	24.5	10.9		
HOME	1139	30.5	19.3	24.7	15.3		
HOME	669	30.4	16.8	24.6	11		
HOME	670	30.4	16.8	24.5	10.9		
HOME	940	30.3	20.4	24.5	16.8		
HOME	661	30.2	16.6	24.3	10.7		
HOME	671	30.3	16.7	24.5	10.9		
HOME	861	30.3	21.4				
				24.7	17.9		
HOME	942	30.2	20.3	24.4	16.7		
HOME	674	30.1	16.5	24.4	10.8		
HOME	667	30.1	16.5	24.2	10.6		
HOME	673	30.1	16.5	24.4	10.8		
HOME	860	30.2	21.3	24.5	17.8		
HOME	887	30	20.7	24.3	17.2		
HOME	1025	30	19.2	24.2	15.3		
HOME	1176	29.9	18.8	24.2	14.8		
HOME	1133	29.9	18.8				
				24.2	14.9		
HOME	9033	29.9	16.3	23.9	10.3		
HOME	9051	29.9	16.3	24.1	10.5		
HOME	859	30	21.1	24.3	17.7		
HOME	943	29.9	20	24.1	16.5		
HOME	1185	29.8	18.6	24.1	14.7		
HOME	1102	29.8	18.8	24.1	14.9		
HOME	9050	29.8	16.2	24	10.4		
HOME	1001	29.7	19	23.9	15.2		
HOME	886	29.8	20.5	24.1			
HOME					17.1		
	882	29.7	20.5	24	17		
HOME	846	29.8	21.1	24.2	17,7		
HOME	845	29.7	21	24.1	17.6		
HOME	9032	29.6	16	23.7	10.1		
HOME	848	29.7	20.9	24.1	17.6		
HOME	849	29.6	20.9	24	17.5		
HOME	9042	29.5	15.9	23.7	10.1		
HOME	847	29.6	20.8	24	17.5		
HOME	935	29.4	19.1	23.6			
HOME					15.4		
	869	29.4	20.2	23.8	16.8		
HOME	999	29.4	18.8	23.6	15		
HOME	939	29.3	19	23.5	15.3		
HOME	1153	29.3	18.3	23.7	14.5		
HOME	934	29.3	19	23.6	15.3		
HOME	896	29.4	20	23.7	16.6		
HOME	639	29.2	15.6	23.3	9.7		
HOME	672	29.2	15.6	23.5			
HOME	9044	29.2			9.9		
			15.6	23.4	9.8		
HOME	9043	29.2	15.6	23.4	9.8		
HOME	9046	29.2	15.6	23.4	9.8		
HOME	893	29.2	19.9	23.6	16.5		
HOME	666	29.1	15.5	23.3	9.7		
HOME	1097	29.1	18.3	23.4	14.5		
HOME	9045	29.1	15.5	23.3	9.7		
HOME	9049	29.1	15.5				
HOME	9049	29.1	15.5 15.5	23.3 23.3	9.7 9.7		
		74 T	155	92.2			

		Sound Pressure Level, Gro		Sound Pressure Level, G	
C44	Danida	Full Acoustic Sound Power Level	Cut-in Sound Power Level	Full Acoustic Sound Power Leve	
	Residence	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
Type	ID 054	(dBA)	00.4	(dBA)	47.4
HOME	854	29.2	20.4	23.6	17.1
HOME	868	29.1	20	23.5	16.7
HOME	9048	29	15.4	23.2	9.6
HOME	837	29.1	20.4	23.6	17.1
HOME	851	29.1	20.4	23.6	17
HOME	1021	29.1	18.4	23.4	14.7
HOME	676	28.9	15.3	23.1	9.5
HOME	890	29	19.7	23.4	16.3
HOME	952	28.9	18.6	23.2	15
HOME	932	28.9	18.6	23.2	15
HOME	850	28.9	20	23.3	16.8
HOME	840	28.9	20.2	23.4	16.9
HOME		28.9	20.2		
	841			23.3	16.8
HOME	950	28.7	18.5	23.1	14.9
HOME	1145	28.7	17.8	23.2	14.1
HOME	675	28.7	15.1	23	9.4
HOME	884	28.8	19.6	23.2	16.3
HOME	1004	28.7	18.2	23.1	14.6
HOME	1190	28.6	17.6	23.1	13.9
HOME	1083	28.6	17.9	23	14.3
HOME	9031	28.6	15	22.8	9.2
HOME	9030	28.6	15	22.8	9.2
HOME	835	28.7	20	23.2	16.7
HOME	1098	28.5	17.8	22.9	14.1
HOME	1043	28.5			
			17.9	22.9	14.3
HOME	830	28.6	19.9	23.1	16.7
HOME	1087	28.4	17.7	22.9	14.1
HOME	1053	28.5	17.8	22.9	14.2
HOME	9029	28.4	14.8	22.7	9.1
HOME	842	28.5	19.7	23	16.5
HOME	831	28.5	19.8	23	16.6
CHURCH	843	28.5	19.7	23	16.5
HOME	1018	28.3	17.8	22.8	14.2
HOME	683	28.3	14.7	22.6	9
HOME	1184	28.2	17.3	22.7	13.7
HOME	1016	28.2	17.7	22.7	
					14.2
HOME	654	28.1	14.5	22.3	8.7
HOME	836	28.3	19.5	22.8	16.3
HOME	838	28.3	19.6	22.8	16.4
HOME	1138	28.1	17.4	22.7	13.8
HOME	1126	28.1	17.4	22.7	13.8
HOME	657	28	14.4	22.1	8.5
HOME	828	28.1	19.4	22.7	16.2
HOME	907	27.8	17.9	22.3	14.5
HOME	807	27.9	19.4	22.6	16.3
HOME	9028	27.6	14	21.9	8.3
HOME	823	27.7	18.3	22.2	15
HOME	948	27.5	17.5		
				22	14.1
HOME	832	27.6	18.2	22.1	14.9
HOME	1142	27.4	13.8	21.7	8.1
HOME	1061	27.4	17	22	13.5
HOME	659	27.4	13.8	21.6	8
HOME	1201	27.4	13.8	21.8	8.2
HOME	765	27.5	19.1	22.2	16
HOME	677	27.3	13.7	21.6	8
HOME	816	27.4	18.1	22	14.8
HOME	834	27.3	18	21.9	14.7
HOME	998	27.2	17	21.8	13.7
HOME	815	27.3			
			18	21.9	14.8
HOME	678	27	13.4	21.4	7.8
HOME	983	27.1	16.9	21.7	13.6
HOME	681	27	13.4	21.3	7.7

		Sound Pressure Level, G		Sound Pressure Level, G	
	Residence	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	! Cut-in Sound Power Level (92.8 dBA Turbine Level)
Туре	ID	(dBA)		(dBA)	
HOME	738	27.1	18.1	21.7	14.9
HOME	664	26.8	13.2	21.2	7.6
HOME	905	26.9	17.2	21.5	13.9
HOME	984	26.7	16.6	21.4	13.3
HOME	1143	26.6	13	21	7.4
HOME	997	26.7	16.6	21.4	13.3
HOME	1132	26.5	12.9	20.9	7.3
HOME	1137	26.5	12.9	21	7.4
HOME	963	26.4	16.6	21.1	13.3
HOME	1189	26.3	12.7	20.8	7.2
HOME	1181	26.2		20.7	
	1136		12.6		7.1
HOME		26.3	12.7	20.8	7.2
HOME	1121	26.2	12.6	20.7	7.1
HOME	872	26.4	17	21.1	13.8
HOME	1180	26.2	12.6	20.7	7.1
HOME	1178	26.2	12.6	20.7	7.1
HOME	1168	26.2	12.6	20.7	7.1
HOME	1154	26.2	12.6	20.7	7.1
HOME	1134	26.2	12.6	20.7	7.1
HOME	1141	26.2	12.6	20.7	7.1
HOME	1125	26.2	12.6	20.7	7.1
HOME	960	26.2	16.4	21	13.2
HOME	937	26.2			
			16.5	20.9	13.3
HOME	793	26.3	17.2	21	14.1
HOME	794	26.3	17.2	21	14
HOME	1179	26.1	12.5	20.6	7
HOME	1123	26.1	12.5	20.6	7
HOME	1091	26	12.4	20.5	6.9
HOME	1122	26	12.4	20.5	6.9
HOME	822	26	16.9	20.8	13.8
HOME	1063	25.8	12.2	20.3	6.7
HOME	1093	25.8	12.2	20.3	6.7
HOME	1092	25.8	12.2	20.3	6.7
CHURCH	936	25.9	16.3		
HOME				20.6	13.1
	679	25.7	12.1	20.2	6.6
HOME	684	25.6	12	20.1	6.5
HOME	680	25.7	12.1	20.2	6.6
HOME	682	25.7	12.1	20.2	6.6
HOME	855	25.7	16.6	20.5	13.5
HOME	989	25.5	11.9	20	6.4
HOME	833	25.7	16.6	20.5	13.5
HOME	820	25.6	16.6	20.4	13.5
HOME	1037	25.3	11.7	19.9	6.3
HOME	1020	25.4	11.8	19.9	6.3
HOME	915	25.5	16	20.3	13
HOME	991	25.3			
			11.7	19.8	6.2
HOME	821	25.2	16.3	20	13.3
HOME	788	25	16.2	19.9	13.2
HOME	1119	24.8	11.2	19.5	5.9
HOME	784	25	16.2	19.9	13.2
HOME	785	25	16.2	19.9	13.2
HOME	786	25	16.2	19.9	13.2
HOME	787	25	16.2	19.9	13.2
HOME	790	25	16.2	19.9	13.2
HOME	791	25	16.2	19.9	13.2
HOME	797	25 25	16.2		
				19.9	13.2
HOME	802	25	16.2	19.9	13.2
HOME	805	25	16.2	19.9	13.2
HOME	990	24.7	11.1	19.3	5.6
HOME	775	24.9	16.2	19.7	13.2
HOME	777	24.9	16.2	19.8	13.2
HOME	778	24.9	16.2	19.8	13.2

		Sound Pressure Level, Gro	ound Absorption = 0	Sound Pressure Level, Gro	ound Absorption = 1
Ct	De etc	Full Acoustic Sound Power Level Cut-in Sound Power Level			
Structure Type	Residence ID	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)	(106.4 dBA Turbine Level)	(92.8 dBA Turbine Level)
HOME	779	(dBA) 24.9	16.2	(dBA)	42.0
HOME				19.8	13.2
	781	24.9	16.2	19.8	13.2
HOME	782	24.9	16.2	19.8	13.2
HOME	800	24.8	16.1	19.7	13.1
HOME	801	24.8	16.1	19.7	13.2
HOME	771	24.8	16.1	19.7	13.2
HOME	796	24.8	16.1	19.7	13.1
HOME	798	24.8	16.1	19.7	13.1
HOME	799	24.8	16	19.7	13.1
HOME	803	24.8	16.1	19.7	13.1
HOME	804	24.8	16.1	19.7	13.1
HOME	763	24.7	16.1	19.7	
HOME	767	24.8			13.1
			16.1	19.7	13.2
HOME	768	24.8	16.1	19.7	13.2
HOME	709	24.8	16.3	19.7	13.3
HOME	891	24.5	10.9	19	5.4
HOME	776	24.6	15.9	19.6	13
HOME	780	24.6	16	19.6	13
HOME	783	24.7	16	19.6	13
HOME	789	24.7	16	19.6	13
HOME	792	24.7	16	19.6	13
HOME	795	24.7	16	19.6	
HOME	754				13.1
		24.7	16	19.6	13.1
HOME	755	24.6	16	19.6	13.1
HOME	756	24.7	16	19.6	13.1
HOME	757	24.7	16.1	19.6	13.1
HOME	1188	24.5	10.9	19.2	5.6
HOME	773	24.6	15.9	19.5	13
HOME	774	24.6	15.9	19.6	13
HOME	769	24.6	15.9	19.5	13
HOME	770	24.6	15.9	19.5	13
HOME	766	24.5			
			15.9	19.5	13
HOME	1054	24.4	10.8	19	5.4
HOME	818	24.5	15.8	19.5	12.8
HOME	728	24.4	15.8	19.4	12.9
HOME	731	24.5	15.9	19.4	13
HOME	736	24.4	15.8	19.4	12.9
HOME	737	24.5	15.9	19.5	13
HOME	749	24.4	15.8	19.4	12.9
HOME	752	24.4	15.8	19.4	12.9
HOME	753	24.4	15.8	19.4	12.9
HOME	758	24.5	15.8	19.4	12.9
HOME	759	24.5	15.8		
HOME				19.5	12.9
	762	24.5	15.8	19.5	12.9
HOME	764	24.5	15.9	19.5	12.9
HOME	724	24.5	15.9	19.4	13
HOME	864	24.2	10.6	18.8	5.2
HOME	866	24.2	10.6	18.8	5.2
HOME	726	24.4	15.8	19.4	12.9
HOME	727	24.4	15.8	19.4	12.9
HOME	729	24.4	15.8	19,4	12.9
HOME	730	24.3	15.7	19.3	12.9
HOME	732	24.4	15.8	19.4	
HOME	733				12.9
		24.3	15.7	19.3	12.8
HOME	743	24.3	15.7	19.3	12.8
HOME	744	24.3	15.7	19.4	12.8
11011	745	24.4	15.7	19.4	12.9
HOME		24.4	15.8	19.4	12.9
HOME	746	E 1. 1			
	746 747				
HOME HOME	747	24.4	15.8	19.4	12.9
HOME					

		Sound Pressure Level, Gro		Sound Pressure Level, Gro	
	Residence	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	Cut-in Sound Power Level (92.8 dBA Turbine Level)	Full Acoustic Sound Power Level (106.4 dBA Turbine Level)	Cut-in Sound Power Level (92.8 dBA Turbine Level)
Туре	ID	(dBA)	- 1212 3	(dBA)	
HOME	723	24.4	15.8	19.4	12.9
HOME	725	24.4	15.8	19.4	12.9
HOME	865	24.2	10.6	18.7	5.1
HOME	741	24.3	15.7	19.3	12.8
HOME	705	24.2	15.9	19.3	13
HOME	716	24.3	15.7	19.3	12.8
HOME	739	24.1	15.6	19.2	12.8
HOME	740	24.1	15.6	19.2	12.8
HOME	734	24.1	15.7	19.2	12.8
HOME	718	24.1	15.6	19.2	12.8
HOME	719	24.1	15.6	19.2	
HOME	720	24.1			12.8
			15.6	19.1	12.8
HOME	721	24.2	15.7	19.2	12.8
HOME	965	23.9	10.3	18.5	4.9
HOME	976	24	10.4	18.5	4.9
HOME	956	23.8	10.2	18.4	4.8
HOME	958	23.8	10.2	18.4	4.8
HOME	1120	23.7	10.1	18.4	4.8
HOME	813	23.6	10	18.3	4.7
HOME	814	23.7	10.1	18.3	4.7
HOME	812	23.6	10	18.2	4.6
HOME	811	23.6	10	18.2	4.6
HOME	858	23.4	9.8	18	4.4
HOME	1052	23.3	9.7	18	
					4.4
HOME	856	23.3	9.7	18	4.4
HOME	810	23.3	9.7	18	4.4
HOME	924	23.1	9.5	17.7	4.1
HOME	1131	23	9.4	17.8	4.2
HOME	1128	23.1	9.5	17.8	4.2
HOME	927	23.1	9.5	17.7	4.1
HOME	808	23.1	9.5	17.7	4.1
HOME	994	23	9.4	17.6	4
HOME	920	23	9.4	17.6	4
HOME	995	22.9	9.3	17.6	4
HOME	879	22.8	9.2	17.5	
HOME	839	22.8			3.9
			9.2	17.4	3.8
HOME	853	22.8	9.2	17.5	3.9
HOME	699	22.8	9.2	17.5	3.9
HOME	933	22.7	9.1	17.4	3.8
HOME	880	22.8	9.2	17.4	3.8
HOME	806	22.7	9.1	17.4	3.8
HOME	881	22.7	9.1	17.3	3.7
HOME	829	22.6	9	17.3	3.7
HOME	987	22.5	8.9	17.3	3.7
HOME	923	22.5	8.9	17.2	3.6
HOME	928	22.4	8.8	17.1	3.5
HOME	698	22.5	8.9	17.1	
HOME	825				3.6
		22.3	8.7	17	3.4
HOME	702	22.3	8.7	17.1	3.5
HOME	817	22.2	8.6	16.9	3.3
HOME	1186	22.1	8.5	17	3.4
HOME	1183	22.1	8.5	17	3.4
HOME	772	22.1	8.5	16.8	3.2
HOME	1048	22	8.4	16.8	3.2
HOME	1155	21.9	8.3	16.7	3.1
HOME	993	22	8.4	16.7	3.1
HOME	931	22	8.4	16.7	3.1
HOME	904	21.9	8.3	16.6	
HOME					3
	898	21.8	8.2	16.5	2.9
HOME	1107	21.4	7.8	16.2	2.6
HOME	712	21.5 21.2	7.9	16.3	2.7
HOME	1059		7.6	16.1	2.5

TABLE D-1 Ground Absorption Coefficient Evaluation

Structure Type	Residence ID	Sound Pressure Level, Ground Absorption = 0		Sound Pressure Level, Ground Absorption = 1	
		Full Acoustic Sound Power Level (106.4 dBA Turbine Level) (dBA)	Cut-in Sound Power Level (92.8 dBA Turbine Level)	Full Acoustic Sound Power Level (106.4 dBA Turbine Level) (dBA)	Cut-in Sound Power Level (92.8 dBA Turbine Level)
HOME	892	21.3	7.7	16	2.4
HOME	878	21.1	7.5	15.9	2.3
HOME	885	21.2	7.6	15.9	2.3
HOME	926	21	7.4	15.8	2.2
HOME	876	21	7.4	15.8	2.2
HOME	735	21	7.4	15.8	2.2
HOME	750	21	7.4	15.8	2.2
HOME	751	21	7.4	15.8	2.2
HOME	710	20.9	7.3	15.7	2.1
HOME	1051	20.6	7	15.4	1.8

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

11/23/2010 4:01:52 PM

in

Case No(s). 09-1066-EL-BGN

Summary: Correspondence submitting Responses to Staff Data Requests - Part 5 electronically filed by Teresa Orahood on behalf of Heartland Wind Energy LLC