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APPENDIX 11-2

CONSTRUCTION NOISE IMPACTS

Appendix 11-2 Construction Noise Impacts

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Table 1 Construction phase noise impacts - Scenario 1.

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R01	68	48	Moderate adverse
R02	39	48	Imperceptible
R03	44	48	Not significant adverse
R04	41	48	Imperceptible
R05	37	48	Imperceptible
R06	35	48	Imperceptible
R07	35	48	Imperceptible
R08	34	48	Imperceptible
R09	46	48	Imperceptible
R10	45	48	Imperceptible
R11	38	48	Imperceptible
R12	45	48	Imperceptible
R13	37	48	Imperceptible
R14	37	48	Imperceptible
R15	38	48	Imperceptible
R16	40	48	Imperceptible
R17	39	48	Imperceptible
R18	43	48	Imperceptible
R19	40	48	Imperceptible
R20	37	48	Imperceptible
R21	36	48	Imperceptible
R22	35	48	Imperceptible
R23	32	48	Imperceptible
R24	37	48	Imperceptible
R25	39	48	Imperceptible
R26	33	48	Imperceptible
R27	46	48	Imperceptible
R28	49	48	Not significant adverse
R29	49	48	Not significant adverse
R30	47	48	Imperceptible
R31	49	48	Not significant adverse
R32	48	48	Not significant adverse
R33	47	48	Imperceptible
R34	47	48	Imperceptible
R35	50	49	Not significant adverse
R36	44	49	Imperceptible
R37	47	49	Imperceptible
R38	47	49	Imperceptible
R39	46	49	Imperceptible
R40	41	49	Imperceptible
R41	40	49	Imperceptible
R42	54	49	Not significant adverse
R43	51	49	Not significant adverse
R44	49	49	Not significant adverse
R45	48	49	Imperceptible
R46	41	49	Imperceptible
R47	42	49	Imperceptible
R48	36	49	Imperceptible
R49	40	49	Imperceptible
R50	39	49	Imperceptible
R51	36	49	Imperceptible
R52	36	49	Imperceptible
R53	35	49	Imperceptible
R54	41	49	Imperceptible
R55	44	49	Imperceptible

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R56	44	49	Imperceptible
R57	44	49	Imperceptible
R58	44	49	Imperceptible
R59	48	49	Imperceptible
R60	38	48	Imperceptible
R61	40	48	Imperceptible
R62	44	48	Imperceptible
R63	46	48	Imperceptible
R64	44	48	Imperceptible
R65	47	48	Imperceptible
R66	40	48	Imperceptible
R67	39	48	Imperceptible
R68	39	48	Imperceptible
R69	38	48	Imperceptible
R70	38	48	Imperceptible
R71	37	48	Imperceptible
R72	36	48	Imperceptible
R73	35	48	Imperceptible
R74	34	48	Imperceptible

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Table 2 Construction phase noise impacts - Scenario 2.

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R01	68	48	Moderate adverse
R02	52	48	Not significant adverse
R03	67	48	Moderate adverse
R04	68	48	Moderate adverse
R05	63	48	Slight adverse
R06	63	48	Slight adverse
R07	63	48	Slight adverse
R08	64	48	Slight adverse
R09	69	48	Moderate adverse
R10	71	48	Significant adverse
R11	63	48	Slight adverse
R12	59	48	Not significant adverse
R13	47	48	Imperceptible
R14	46	48	Imperceptible
R15	52	48	Not significant adverse
R16	71	48	Significant adverse
R17	61	48	Slight adverse
R18	62	48	Slight adverse
R19	58	48	Not significant adverse
R20	59	48	Not significant adverse
R21	61	48	Slight adverse
R22	62	48	Slight adverse
R23	61	48	Slight adverse
R24	60	48	Slight adverse
R25	59	48	Not significant adverse
R26	55	48	Not significant adverse
R27	53	48	Not significant adverse
R28	55	48	Not significant adverse
R29	54	48	Not significant adverse
R30	54	48	Not significant adverse
R31	51	48	Not significant adverse
R32	51	48	Not significant adverse
R33	49	48	Not significant adverse
R34	49	48	Not significant adverse
R35	53	49	Not significant adverse
R36	52	49	Not significant adverse

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Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R37	53	49	Not significant adverse
R38	54	49	Not significant adverse
R39	52	49	Not significant adverse
R40	52	49	Not significant adverse
R41	50	49	Not significant adverse
R42	55	49	Not significant adverse
R43	64	49	Slight adverse
R44	63	49	Slight adverse
R45	60	49	Slight adverse
R46	54	49	Not significant adverse
R47	55	49	Not significant adverse
R48	48	49	Imperceptible
R49	53	49	Not significant adverse
R50	49	49	Not significant adverse
R51	48	49	Imperceptible
R52	48	49	Imperceptible
R53	46	49	Imperceptible
R54	48	49	Imperceptible
R55	52	49	Not significant adverse
R56	51	49	Not significant adverse
R57	52	49	Not significant adverse
R58	53	49	Not significant adverse
R59	54	49	Not significant adverse
R60	50	48	Not significant adverse
R61	51	48	Not significant adverse
R62	51	48	Not significant adverse
R63	51	48	Not significant adverse
R64	50	48	Not significant adverse
R65	52	48	Not significant adverse
R66	51	48	Not significant adverse
R67	51	48	Not significant adverse
R68	51	48	Not significant adverse
R69	50	48	Not significant adverse
R70	51	48	Not significant adverse
R71	51	48	Not significant adverse
R72	49	48	Not significant adverse
R73	49	48	Not significant adverse
R74	48	48	Not significant adverse

Table 3 Construction phase noise impacts - Scenario 3.

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R01	65	48	Slight adverse
R02	62	48	Slight adverse
R03	66	48	Moderate adverse
R04	59	48	Not significant adverse
R05	60	48	Slight adverse
R06	57	48	Not significant adverse
R07	56	48	Not significant adverse
R08	54	48	Not significant adverse
R09	56	48	Not significant adverse
R10	57	48	Not significant adverse
R11	57	48	Not significant adverse
R12	53	48	Not significant adverse
R13	50	48	Not significant adverse
R14	51	48	Not significant adverse
R15	50	48	Not significant adverse
R16	58	48	Not significant adverse
R17	62	48	Slight adverse

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R18	57	48	Not significant adverse
R19	57	48	Not significant adverse
R20	57	48	Not significant adverse
R21	55	48	Not significant adverse
R22	56	48	Not significant adverse
R23	51	48	Not significant adverse
R24	47	48	Imperceptible
R25	57	48	Not significant adverse
R26	53	48	Not significant adverse
R27	54	48	Not significant adverse
R28	56	48	Not significant adverse
R29	56	48	Not significant adverse
R30	55	48	Not significant adverse
R31	54	48	Not significant adverse
R32	48	48	Not significant adverse
R33	48	48	Not significant adverse
R34	48	48	Not significant adverse
R35	56	49	Not significant adverse
R36	58	49	Not significant adverse
R37	58	49	Not significant adverse
R38	60	49	Slight adverse
R39	58	49	Not significant adverse
R40	60	49	Slight adverse
R41	57	49	Not significant adverse
R42	66	49	Moderate adverse
R43	67	49	Moderate adverse
R44	65	49	Slight adverse
R45	63	49	Slight adverse
R46	60	49	Slight adverse
R47	61	49	Slight adverse
R48	50	49	Not significant adverse
R49	59	49	Not significant adverse
R50	53	49	Not significant adverse
R51	53	49	Not significant adverse
R52	48	49	Imperceptible
R53	55	49	Not significant adverse
R54	54	49	Not significant adverse
R55	58	49	Not significant adverse
R56	58	49	Not significant adverse
R57	58	49	Not significant adverse
R58	60	49	Slight adverse
R59	62	49	Slight adverse
R60	58	48	Not significant adverse
R61	58	48	Not significant adverse
R62	60	48	Slight adverse
R63	60	48	Slight adverse
R64	58	48	Not significant adverse
R65	60	48	Slight adverse
R66	58	48	Not significant adverse
R67	58	48	Not significant adverse
R68	58	48	Not significant adverse
R69	58	48	Not significant adverse
R70	59	48	Not significant adverse
R71	59	48	Not significant adverse
R72	59	48	Not significant adverse
R73	59	48	Not significant adverse
R74	55	48	Not significant adverse

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Table 4 Construction phase noise impacts - Scenario 4.

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R01	58	48	Not significant adverse
R02	47	48	Imperceptible
R03	59	48	Slight adverse
R04	60	48	Slight adverse
R05	60	48	Slight adverse
R06	62	48	Slight adverse
R07	62	48	Slight adverse
R08	62	48	Slight adverse
R09	62	48	Slight adverse
R10	62	48	Slight adverse
R11	55	48	Not significant adverse
R12	58	48	Not significant adverse
R13	42	48	Imperceptible
R14	42	48	Imperceptible
R15	46	48	Imperceptible
R16	68	48	Moderate adverse
R17	57	48	Not significant adverse
R18	59	48	Not significant adverse
R19	57	48	Not significant adverse
R20	56	48	Not significant adverse
R21	53	48	Not significant adverse
R22	49	48	Not significant adverse
R23	57	48	Not significant adverse
R24	57	48	Not significant adverse
R25	57	48	Not significant adverse
R26	51	48	Not significant adverse
R27	49	48	Not significant adverse
R28	53	48	Not significant adverse
R29	49	48	Not significant adverse
R30	50	48	Not significant adverse
R31	46	48	Imperceptible
R32	46	48	Imperceptible
R33	44	48	Imperceptible
R34	45	48	Imperceptible
R35	49	49	Not significant adverse
R36	47	49	Imperceptible
R37	48	49	Imperceptible
R38	48	49	Imperceptible
R39	47	49	Imperceptible
R40	47	49	Imperceptible
R41	45	49	Imperceptible
R42	52	49	Not significant adverse
R43	55	49	Not significant adverse
R44	54	49	Not significant adverse
R45	52	49	Not significant adverse
R46	47	49	Imperceptible
R47	48	49	Imperceptible
R48	40	49	Imperceptible
R49	47	49	Imperceptible
R50	41	49	Imperceptible
R51	41	49	Imperceptible
R52	41	49	Imperceptible
R53	42	49	Imperceptible
R54	40	49	Imperceptible
R55	45	49	Imperceptible
R56	45	49	Imperceptible
R57	45	49	Imperceptible

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Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R58	46	49	Imperceptible
R59	48	49	Imperceptible
R60	44	48	Imperceptible
R61	45	48	Imperceptible
R62	46	48	Imperceptible
R63	46	48	Imperceptible
R64	44	48	Imperceptible
R65	47	48	Imperceptible
R66	47	48	Imperceptible
R67	46	48	Imperceptible
R68	45	48	Imperceptible
R69	45	48	Imperceptible
R70	47	48	Imperceptible
R71	49	48	Not significant adverse
R72	45	48	Imperceptible
R73	45	48	Imperceptible
R74	43	48	Imperceptible

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Table 5 Construction phase noise impacts - Scenario 5.

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R01	60	48	Slight adverse
R02	48	48	Not significant adverse
R03	58	48	Not significant adverse
R04	59	48	Not significant adverse
R05	60	48	Slight adverse
R06	61	48	Slight adverse
R07	58	48	Not significant adverse
R08	59	48	Not significant adverse
R09	59	48	Not significant adverse
R10	59	48	Not significant adverse
R11	55	48	Not significant adverse
R12	57	48	Not significant adverse
R13	41	48	Imperceptible
R14	41	48	Imperceptible
R15	50	48	Not significant adverse
R16	69	48	Moderate adverse
R17	57	48	Not significant adverse
R18	58	48	Not significant adverse
R19	57	48	Not significant adverse
R20	56	48	Not significant adverse
R21	57	48	Not significant adverse
R22	52	48	Not significant adverse
R23	49	48	Not significant adverse
R24	52	48	Not significant adverse
R25	50	48	Not significant adverse
R26	53	48	Not significant adverse
R27	50	48	Not significant adverse
R28	52	48	Not significant adverse
R29	51	48	Not significant adverse
R30	52	48	Not significant adverse
R31	50	48	Not significant adverse
R32	48	48	Not significant adverse
R33	47	48	Imperceptible
R34	47	48	Imperceptible
R35	49	49	Not significant adverse
R36	49	49	Not significant adverse
R37	49	49	Not significant adverse
R38	50	49	Not significant adverse

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Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R39	48	49	Imperceptible
R40	48	49	Imperceptible
R41	46	49	Imperceptible
R42	51	49	Not significant adverse
R43	60	49	Slight adverse
R44	59	49	Not significant adverse
R45	56	49	Not significant adverse
R46	50	49	Not significant adverse
R47	51	49	Not significant adverse
R48	46	49	Imperceptible
R49	50	49	Not significant adverse
R50	45	49	Imperceptible
R51	44	49	Imperceptible
R52	45	49	Imperceptible
R53	41	49	Imperceptible
R54	43	49	Imperceptible
R55	48	49	Imperceptible
R56	48	49	Imperceptible
R57	48	49	Imperceptible
R58	49	49	Not significant adverse
R59	49	49	Not significant adverse
R60	45	48	Imperceptible
R61	46	48	Imperceptible
R62	47	48	Imperceptible
R63	47	48	Imperceptible
R64	46	48	Imperceptible
R65	48	48	Not significant adverse
R66	48	48	Not significant adverse
R67	47	48	Imperceptible
R68	46	48	Imperceptible
R69	46	48	Imperceptible
R70	47	48	Imperceptible
R71	47	48	Imperceptible
R72	46	48	Imperceptible
R73	45	48	Imperceptible
R74	43	48	Imperceptible

Table 6 Construction phase noise impacts - Scenario 6.

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R01	64	48	Slight adverse
R02	44	48	Imperceptible
R03	56	48	Not significant adverse
R04	55	48	Not significant adverse
R05	55	48	Not significant adverse
R06	54	48	Not significant adverse
R07	52	48	Not significant adverse
R08	50	48	Not significant adverse
R09	52	48	Not significant adverse
R10	50	48	Not significant adverse
R11	45	48	Imperceptible
R12	44	48	Imperceptible
R13	35	48	Imperceptible
R14	35	48	Imperceptible
R15	34	48	Imperceptible
R16	53	48	Not significant adverse
R17	53	48	Not significant adverse
R18	50	48	Not significant adverse
R19	47	48	Imperceptible

Receptor	$L_{Aeq\ 1\ h}$	Baseline $L_{Aeq\ T}$	Impact
R20	46	48	Imperceptible
R21	41	48	Imperceptible
R22	42	48	Imperceptible
R23	45	48	Imperceptible
R24	43	48	Imperceptible
R25	43	48	Imperceptible
R26	45	48	Imperceptible
R27	44	48	Imperceptible
R28	45	48	Imperceptible
R29	44	48	Imperceptible
R30	45	48	Imperceptible
R31	43	48	Imperceptible
R32	42	48	Imperceptible
R33	41	48	Imperceptible
R34	41	48	Imperceptible
R35	44	49	Imperceptible
R36	42	49	Imperceptible
R37	43	49	Imperceptible
R38	44	49	Imperceptible
R39	43	49	Imperceptible
R40	43	49	Imperceptible
R41	41	49	Imperceptible
R42	50	49	Not significant adverse
R43	53	49	Not significant adverse
R44	52	49	Not significant adverse
R45	50	49	Not significant adverse
R46	44	49	Imperceptible
R47	46	49	Imperceptible
R48	38	49	Imperceptible
R49	44	49	Imperceptible
R50	39	49	Imperceptible
R51	39	49	Imperceptible
R52	38	49	Imperceptible
R53	39	49	Imperceptible
R54	38	49	Imperceptible
R55	43	49	Imperceptible
R56	43	49	Imperceptible
R57	42	49	Imperceptible
R58	44	49	Imperceptible
R59	45	49	Imperceptible
R60	41	48	Imperceptible
R61	42	48	Imperceptible
R62	43	48	Imperceptible
R63	43	48	Imperceptible
R64	41	48	Imperceptible
R65	44	48	Imperceptible
R66	42	48	Imperceptible
R67	42	48	Imperceptible
R68	42	48	Imperceptible
R69	41	48	Imperceptible
R70	42	48	Imperceptible
R71	42	48	Imperceptible
R72	41	48	Imperceptible
R73	41	48	Imperceptible
R74	38	48	Imperceptible

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