

Appendix 13F

Directionality Calculations for NSLs with omni-directional exceedances.

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Appendix 13F – Directionality Calculations for NSLs with omni-directional exceedances.

Summary of Cumulative Results in North Wind Direction (0 degrees)								
Predicted Noise Levels (dB) at Standardised 10m Wind Speeds								
Location	3 m/s	4 m/s	5 m/s	6 m/s	7 m/s	8 m/s	9 m/s	10 m/s
NSL065	28.1	29.8	36.5	39.8	40.9	40.9	40.9	40.9
NSL370	28.4	30.1	36.8	39.9	41.2	41.2	41.2	41.2
NSL422	28.3	30.0	36.7	39.9	41.1	41.1	41.1	41.1
Summary of Cumulative Results in Northeast Wind Direction (45 degrees)								
NSL065	27.9	29.6	36.3	39.6	40.7	40.7	40.7	40.7
NSL370	27.9	29.6	36.3	39.6	40.7	40.7	40.7	40.7
NSL422	27.6	29.3	36.0	39.3	40.4	40.4	40.4	40.4
Summary of Cumulative Results in East Wind Direction (90 degrees)								
NSL065	27	28.7	35.4	38.7	39.8	39.8	39.8	39.8
NSL370	26.6	28.3	35	38.3	39.4	39.4	39.4	39.4
NSL422	26.5	28.2	34.9	38.2	39.3	39.3	39.3	39.3
Summary of Cumulative Results in Southeast Wind Direction (135 degrees)								
NSL065	24.2	25.9	32.6	35.9	37	37	37	37
NSL370	24.8	26.5	33.2	36.5	37.6	37.6	37.6	37.6
NSL422	25	26.7	33.4	36.7	37.8	37.8	37.8	37.8
Summary of Cumulative Results in South Wind Direction (180 degrees)								

NSL065	23	24.7	31.4	34.7	35.8	35.8	35.8	35.8
NSL370	23.9	25.6	32.3	35.6	36.7	36.7	36.7	36.7
NSL422	24	25.7	32.4	35.7	36.8	36.8	36.8	36.8
Summary of Cumulative Results in Southwest Wind Direction (225 degrees)								
NSL065	23.9	25.6	32.3	35.6	36.7	36.7	36.7	36.7
NSL370	25	26.7	33.4	36.7	37.8	37.8	37.8	37.8
NSL422	25.3	27	33.7	37	38.1	38.1	38.1	38.1
Summary of Cumulative Results in West Wind Direction (270 degrees)								
NSL065	25.9	27.6	34.3	37.6	38.7	38.7	38.7	38.7
NSL370	26.9	28.6	35.3	38.6	39.7	39.7	39.7	39.7
NSL422	26.8	28.5	35.2	38.5	39.6	39.6	39.6	39.6
Summary of Cumulative Results in Northwest Wind Direction (315 degrees)								
NSL065	27.8	29.5	36.2	39.5	40.6	40.6	40.6	40.6
NSL370	27.9	29.6	36.3	39.6	40.7	40.7	40.7	40.7
NSL422	27.8	29.5	36.2	39.5	40.6	40.6	40.6	40.6