

## Appendix 5-2

### Noise Impact for NSR CN1 (Unmitigated Scenario)

Task	SWL	Distance from		Distance from boundary to NSR	Distance from Noise Source to NSR	G/F Slant Distance	1/F Slant Distance	2/F Slant Distance	G/F D.A.	1/F D.A.	2/F D.A.	G/F BNL	1/F BNL	2/F BNL	G/F Overall PNL, dB(A)	1/F Overall PNL, dB(A)	2/F Overall PNL, dB(A)
		Noise Source to Boundary	boundary to NSR														
A1	118.8	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	73.0	73.0	73.0	76.0	76.0	76.0
A2	118.8	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	73.0	73.0	73.0	76.0	76.0	76.0
A3	121.3	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	73.0	73.0	73.0	76.0	76.0	76.0
A4	118.8	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	73.0	73.0	73.0	76.0	76.0	76.0
B1	119.9	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	74.1	74.1	74.1	77.1	77.1	77.1
B2	118.6	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	72.9	72.9	72.8	75.9	75.8	75.8
B3	120.5	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	74.8	74.8	74.8	77.8	77.8	77.8
B4	117.4	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	71.6	71.6	71.6	74.6	74.6	74.6
B5a	121.0	20	27	47.0	47.0	47.0	47.2	47.5	-41.5	-41.5	-41.5	79.6	79.6	79.5	82.5	82.5	82.5
B5b	120.7	20	27	47.0	47.0	47.0	47.2	47.5	-41.5	-41.5	-41.5	79.2	79.2	79.2	82.2	82.2	82.2
B6	118.0	50	27	77.0	77.0	77.0	77.1	77.3	-45.8	-45.8	-45.8	72.3	72.3	72.2	75.3	75.2	75.2
B7	118.1	20	27	47.0	47.0	47.0	47.2	47.5	-41.5	-41.5	-41.5	76.6	76.6	76.5	79.6	79.5	79.5
B8	118.2	20	27	47.0	47.0	47.0	47.2	47.5	-41.5	-41.5	-41.5	76.7	76.7	76.6	79.7	79.7	79.6
B9	113.5	20	27	47.0	47.0	47.0	47.2	47.5	-41.5	-41.5	-41.5	72.0	72.0	71.9	75.0	75.0	74.9
C1	118.6	0	23	23.0	23.0	23.0	23.4	24.1	-35.4	-35.4	-35.4	83.3	83.3	82.9	86.3	86.2	85.9
C2	118.1	0	23	23.0	23.0	23.0	23.4	24.1	-35.4	-35.4	-35.4	82.8	82.7	82.4	85.8	85.7	85.4
C3	114.2	0	23	23.0	23.0	23.0	23.4	24.1	-35.4	-35.4	-35.4	78.9	78.8	78.5	81.9	81.8	81.5
C4	113.5	0	23	23.0	23.0	23.0	23.4	24.1	-35.4	-35.4	-35.4	78.2	78.1	77.8	81.2	81.1	80.8

Floor Height above ground

G/F	1.2
2/F	4.2
3/F	7.2

#### Legend

- SWL Sound Power Level, dB(A)
- D.A. Distance Attenuation, dB(A)
- BNL Basic Noise Level, dB(A)
- PNL Predicted Noise Level including 3 dB(A) facade correction

## Appendix 5-2

### Noise Impact for NSR CN2 (Unmitigated Scenario)

Task	SWL	Distance from Noise Source to Boundary	Distance from boundary to NSR	Distance from Noise Source to NSR	G/F	1/F	2/F	G/F	1/F	2/F	G/F	1/F	2/F	1/F	2/F	1/F	2/F	Overall PNL, dB(A)	ratl PNL, drall PNL, d
A1	118.8	50	560	610.0	610.0	610.0	610.0	-63.7	-63.7	-63.7	-63.7	-63.7	-63.7	55.1	55.1	58.1	58.1	58.1	58.1
A2	118.8	50	560	610.0	610.0	610.0	610.0	-63.7	-63.7	-63.7	-63.7	-63.7	-63.7	55.1	55.1	58.1	58.1	58.1	58.1
A3	121.3	50	560	610.0	610.0	610.0	610.0	-63.7	-63.7	-63.7	-63.7	-63.7	-63.7	55.1	55.1	58.1	58.1	58.1	58.1
A4	118.8	50	560	610.0	610.0	610.0	610.0	-63.7	-63.7	-63.7	-63.7	-63.7	-63.7	55.1	55.1	58.1	58.1	58.1	58.1
B1	119.9	50	460	510.0	510.0	510.0	510.1	-62.2	-62.2	-62.2	-62.2	-62.2	-62.2	55.1	55.1	58.1	58.1	58.1	58.1
B2	118.6	50	460	510.0	510.0	510.0	510.1	-62.2	-62.2	-62.2	-62.2	-62.2	-62.2	56.4	56.4	59.4	59.4	59.4	59.4
B3	120.5	50	460	510.0	510.0	510.0	510.1	-62.2	-62.2	-62.2	-62.2	-62.2	-62.2	56.4	56.4	59.4	59.4	59.4	59.4
B4	117.4	50	460	510.0	510.0	510.0	510.1	-62.2	-62.2	-62.2	-62.2	-62.2	-62.2	55.2	55.2	58.2	58.2	58.2	58.2
B5a	121.0	20	460	480.0	480.0	480.0	480.1	-61.6	-61.6	-61.6	-61.6	-61.6	-61.6	59.4	59.4	62.4	62.4	62.4	62.4
B5b	120.7	20	460	480.0	480.0	480.0	480.1	-61.6	-61.6	-61.6	-61.6	-61.6	-61.6	59.1	59.1	62.1	62.1	62.1	62.1
B6	118.0	50	460	510.0	510.0	510.0	510.1	-62.2	-62.2	-62.2	-62.2	-62.2	-62.2	55.8	55.8	58.8	58.8	58.8	58.8
B7	118.1	20	460	480.0	480.0	480.0	480.1	-61.6	-61.6	-61.6	-61.6	-61.6	-61.6	56.4	56.4	59.4	59.4	59.4	59.4
B8	118.2	20	460	480.0	480.0	480.0	480.1	-61.6	-61.6	-61.6	-61.6	-61.6	-61.6	56.6	56.6	59.6	59.6	59.6	59.6
B9	113.5	20	460	480.0	480.0	480.0	480.1	-61.6	-61.6	-61.6	-61.6	-61.6	-61.6	51.8	51.8	54.8	54.8	54.8	54.8
C1	118.6	0	20	20.0	20.0	20.0	20.4	-34.1	-34.1	-34.1	-34.1	-34.1	-34.1	84.4	84.0	87.5	87.0	87.5	87.0
C2	118.1	0	20	20.0	20.0	20.0	20.4	-34.1	-34.1	-34.1	-34.1	-34.1	-34.1	84.0	83.8	87.0	86.8	87.0	86.5
C3	114.2	0	20	20.0	20.0	20.0	20.4	-34.1	-34.1	-34.1	-34.1	-34.1	-34.1	80.1	80.0	83.1	83.0	83.1	82.6
C4	113.5	0	20	20.0	20.0	20.0	20.4	-34.1	-34.1	-34.1	-34.1	-34.1	-34.1	79.2	79.4	82.4	82.2	82.4	81.9

Floor  
Height above ground

1.2  
4.2  
7.2

#### Legend

SWL Sound Power Level, dB(A)  
D.A. Distance Attenuation, dB(A)  
BNL Basic Noise Level, dB(A)  
PNL Predicted Noise Level including 3 dB(A) facade correction

## Appendix 5-2

### Noise Impact for NSR CN3 (Unmitigated Scenario)

Task	SWL	Distance from Noise Source to Boundary	Distance from boundary to NSR	Distance from Noise Source to NSR	Distance from Slant Distance	G/F	D.A.	G/F	BNL	Overall PNL, dB(A)
A1	118.8	50	34	84.0	84.0	84.0	-46.5	72.3	72.3	75.3
A2	118.8	50	34	84.0	84.0	84.0	-46.5	72.3	72.3	75.3
A3	121.3	50	34	84.0	84.0	84.0	-46.5	74.8	74.8	77.8
A4	118.8	50	34	84.0	84.0	84.0	-46.5	72.3	72.3	75.3
B1	119.9	50	133	183.0	183.0	183.0	-53.3	66.6	66.6	69.6
B2	118.6	50	133	183.0	183.0	183.0	-53.3	65.3	65.3	68.3
B3	120.5	50	133	183.0	183.0	183.0	-53.3	67.3	67.3	70.3
B4	117.4	50	133	183.0	183.0	183.0	-53.3	64.1	64.1	67.1
B5a	121.0	20	133	153.0	153.0	153.0	-51.7	69.3	69.3	72.3
B5b	120.7	20	133	153.0	153.0	153.0	-51.7	69.0	69.0	72.0
B6	118.0	50	133	183.0	183.0	183.0	-53.3	64.7	64.7	67.7
B7	118.1	20	133	153.0	153.0	153.0	-51.7	66.3	66.3	69.3
B8	118.2	20	133	153.0	153.0	153.0	-51.7	66.5	66.5	69.5
B9	113.5	20	133	153.0	153.0	153.0	-51.7	61.7	61.7	64.7
C1	118.6	0	560	560.0	560.0	560.0	-63.0	55.6	55.6	58.6
C2	118.1	0	560	560.0	560.0	560.0	-63.0	55.1	55.1	58.1
C3	114.2	0	560	560.0	560.0	560.0	-63.0	51.2	51.2	54.2
C4	113.5	0	560	560.0	560.0	560.0	-63.0	50.5	50.5	53.5

Floor  
G/F  
Height above ground  
1.2

#### Legend

- SWL Sound Power Level, dB(A)
- D.A. Distance Attenuation, dB(A)
- BNL Basic Noise Level, dB(A)
- PNL Predicted Noise Level including 3 dB(A) facade correction

## Appendix 5-2

### Noise Impact for NSR CN4 (Unmitigated Scenario)

Task	SWL	Distance from Noise Source to Boundary	Distance from boundary to NSR	Distance from Noise Source to NSR	Slant Distance	G/F D.A	G/F BNL	Overall PNL, dB(A)	G/F
A1	118.8	50	12	62.0	62.0	-43.9	74.9	77.9	
A2	118.8	50	12	62.0	62.0	-43.9	74.9	77.9	
A3	121.3	50	12	62.0	62.0	-43.9	77.5	80.5	
A4	118.8	50	12	62.0	62.0	-43.9	74.9	77.9	
B1	119.9	50	332	382.0	382.0	-59.7	60.2	63.2	
B2	118.6	50	332	382.0	382.0	-59.7	58.9	61.9	
B3	120.5	50	332	382.0	382.0	-59.7	60.9	63.9	
B4	117.4	50	332	382.0	382.0	-59.7	57.7	60.7	
B5a	121.0	20	332	352.0	352.0	-59.0	62.1	65.1	
B5b	120.7	20	332	352.0	352.0	-59.0	61.8	64.8	
B6	118.0	50	332	382.0	382.0	-59.7	58.3	61.3	
B7	118.1	20	332	352.0	352.0	-59.0	59.1	62.1	
B8	118.2	20	332	352.0	352.0	-59.0	59.2	62.2	
B9	113.5	20	332	352.0	352.0	-59.0	54.5	57.5	
C1	118.6	0	447	447.0	447.0	-61.0	57.6	60.6	
C2	118.1	0	447	447.0	447.0	-61.0	57.0	60.0	
C3	114.2	0	447	447.0	447.0	-61.0	53.2	56.2	
C4	113.5	0	447	447.0	447.0	-61.0	52.4	55.4	

Floor  
G/F  
1.2

#### Legend

SWL Sound Power Level, dB(A)  
D.A. Distance Attenuation, dB(A)  
BNL Basic Noise Level, dB(A)  
PNL Predicted Noise Level including 3 dB(A) facade correction

## Appendix 5-2

### Noise Impact for NSR CN5 (Unmitigated Scenario)

Task	SWL	Distance from Noise Source to Boundary	Distance from boundary to NSR	Distance from Noise Source to NSR	G/F	G/F	G/F	G/F	Overall PNL, dB(A)
A1	118.8	50	7	57.0	57.0	D.A	-43.1	BNL	78.7
A2	118.8	50	7	57.0	57.0	-43.1	-43.1	75.7	78.7
A3	121.3	50	7	57.0	57.0	-43.1	-43.1	78.2	81.2
A4	118.8	50	7	57.0	57.0	-43.1	-43.1	75.7	78.7
B1	119.9	50	750	800.0	800.0	-66.1	-66.1	53.8	56.8
B2	118.6	50	750	800.0	800.0	-66.1	-66.1	52.5	55.5
B3	120.5	50	750	800.0	800.0	-66.1	-66.1	54.5	57.5
B4	117.4	50	750	800.0	800.0	-66.1	-66.1	51.3	54.3
B5a	121.0	20	750	770.0	770.0	-65.8	-65.8	55.3	58.3
B5b	120.7	20	750	770.0	770.0	-65.8	-65.8	55.0	58.0
B6	118.0	50	750	800.0	800.0	-66.1	-66.1	51.9	54.9
B7	118.1	20	750	770.0	770.0	-65.8	-65.8	52.3	55.3
B8	118.2	20	750	770.0	770.0	-65.8	-65.8	52.4	55.4
B9	113.5	20	750	770.0	770.0	-65.8	-65.8	47.7	50.7
C1	118.6	0	947	947.0	947.0	-67.5	-67.5	51.1	54.1
C2	118.1	0	947	947.0	947.0	-67.5	-67.5	50.5	53.5
C3	114.2	0	947	947.0	947.0	-67.5	-67.5	46.6	49.6
C4	113.5	0	947	947.0	947.0	-67.5	-67.5	45.9	48.9

Floor  
G/F  
Height above ground  
1.2

#### Legend

- SWL Sound Power Level, dB(A)
- D.A. Distance Attenuation, dB(A)
- BNL Basic Noise Level, dB(A)
- PNL Predicted Noise Level including 3 dB(A) facade correction