# Appendix I3

# Mitigated Construction Noise Levels

# Cumulative Construction Noise Impact (Unmitigated)

# Appendix I3

| Predicted Noise Level (dB (A)) of Main Construction Activities | | | | | 04 Jan 2012 - 02 Apr 2012 | 03 Apr 2012 - 21 Aug 2012 | 21 Aug 2012 - 28 Nov 2012 | 29 Nov 2012 - 28 Apr 2013 | 28 Apr 2013 - 17 May 2013 | 18 May 2013 - 26 Jun 2013 | 27 Jul 2013 - 23 Nov 2013 | 24 Nov 2013 - 23 Dec 2013 | 24 Dec 2013 - 22 Jan 2014 | 23 Jan 2014 - 22 Apr 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Act 1 - Mobilization/Preparation** | | | | | | | | | | | | | | |
| **NSR** | **Description** | **Usage** | **Floor** | **mPD** | | | | | | | | | | |
| SCH01 | Po Leung Kuk Ngan Po Ling College | Educational | 1/F | 9.0 | 73 | | | | | | | | | |
| | | | 2/F | 11.8 | 73 | | | | | | | | | |
| | | | 4/F | 17.4 | 73 | | | | | | | | | |
| SCH02 | CCC Kei To Secondary School | Educational | 1/F | 9.0 | 73 | | | | | | | | | |
| | | | 3/F | 14.6 | 73 | | | | | | | | | |
| | | | 6/F | 23.0 | 73 | | | | | | | | | |
| WFM | Wing Fai Mansion | Residential | 1/F | 21.1 | 69 | | | | | | | | | |
| | | | 8/F | 40.7 | 69 | | | | | | | | | |
| | | | 15/F | 60.3 | 69 | | | | | | | | | |
| SUV | Sunrise Villa | Residential | 1/F | 14.3 | 68 | | | | | | | | | |
| | | | 18/F | 61.9 | 67 | | | | | | | | | |
| | | | 30/F | 95.5 | 67 | | | | | | | | | |
| MHE | Model Housing Estate | Residential | 1/F | 8.3 | 72 | | | | | | | | | |
| | | | 5/F | 19.5 | 72 | | | | | | | | | |
| | | | 9/F | 30.7 | 71 | | | | | | | | | |
| KCM | Kut Cheong Mansion | Residential | 1/F | 9.8 | 69 | | | | | | | | | |
| | | | 4/F | 18.2 | 69 | | | | | | | | | |
| | | | 7/F | 26.6 | 69 | | | | | | | | | |
| LKB | Lai King Building | Residential | 1/F | 7.2 | 69 | | | | | | | | | |
| | | | 4/F | 15.6 | 69 | | | | | | | | | |
| | | | 7/F | 24.0 | 69 | | | | | | | | | |
| FSQ | North Point Fire Services Married Quarters | Residential | 1/F | 6.7 | 70 | | | | | | | | | |
| | | | 4/F | 15.1 | 70 | | | | | | | | | |
| | | | 7/F | 23.5 | 70 | | | | | | | | | |
| **Act 2 - Landfall Site Construction (Seawall Demolition)** | | | | | | | | | | | | | | |
| **NSR** | **Description** | **Usage** | **Floor** | **mPD** | | | | | | | | | | |
| SCH01 | Po Leung Kuk Ngan Po Ling College | Educational | 1/F | 9.0 | | | 73 | 73 | 73 | | | | | |
| | | | 2/F | 11.8 | | | 73 | 73 | 73 | | | | | |
| | | | 4/F | 17.4 | | | 73 | 73 | 73 | | | | | |
| SCH02 | CCC Kei To Secondary School | Educational | 1/F | 9.0 | | | 75 | 75 | 75 | | | | | |
| | | | 3/F | 14.6 | | | 75 | 75 | 75 | | | | | |
| | | | 6/F | 23.0 | | | 75 | 75 | 75 | | | | | |
| WFM | Wing Fai Mansion | Residential | 1/F | 21.1 | | | 71 | 71 | 71 | | | | | |
| | | | 8/F | 40.7 | | | 70 | 70 | 70 | | | | | |
| | | | 15/F | 60.3 | | | 70 | 70 | 70 | | | | | |
| SUV | Sunrise Villa | Residential | 1/F | 14.3 | | | 70 | 70 | 70 | | | | | |
| | | | 18/F | 61.9 | | | 70 | 70 | 70 | | | | | |
| | | | 30/F | 95.5 | | | 70 | 70 | 70 | | | | | |
| MHE | Model Housing Estate | Residential | 1/F | 8.3 | | | 74 | 74 | 74 | | | | | |
| | | | 5/F | 19.5 | | | 74 | 74 | 74 | | | | | |
| | | | 9/F | 30.7 | | | 74 | 74 | 74 | | | | | |
| KCM | Kut Cheong Mansion | Residential | 1/F | 9.8 | | | 73 | 73 | 73 | | | | | |
| | | | 4/F | 18.2 | | | 73 | 73 | 73 | | | | | |
| | | | 7/F | 26.6 | | | 73 | 73 | 73 | | | | | |
| LKB | Lai King Building | Residential | 1/F | 7.2 | | | 70 | 70 | 70 | | | | | |
| | | | 4/F | 15.6 | | | 70 | 70 | 70 | | | | | |
| | | | 7/F | 24.0 | | | 70 | 70 | 70 | | | | | |
| FSQ | North Point Fire Services Married Quarters | Residential | 1/F | 6.7 | | | 76 | 76 | 76 | | | | | |
| | | | 4/F | 15.1 | | | 76 | 76 | 76 | | | | | |
| | | | 7/F | 23.5 | | | 76 | 76 | 76 | | | | | |
| **Act 3 - Trench Dredging/ Seawall Excavation** | | | | | | | | | | | | | | |
| **NSR** | **Description** | **Usage** | **Floor** | **mPD** | | | | | | | | | | |
| SCH01 | Po Leung Kuk Ngan Po Ling College | Educational | 1/F | 9.0 | | 61 | 61 | | | | | | | |
| | | | 2/F | 11.8 | | 61 | 61 | | | | | | | |
| | | | 4/F | 17.4 | | 61 | 61 | | | | | | | |
| SCH02 | CCC Kei To Secondary School | Educational | 1/F | 9.0 | | 62 | 62 | | | | | | | |
| | | | 3/F | 14.6 | | 62 | 62 | | | | | | | |
| | | | 6/F | 23.0 | | 62 | 62 | | | | | | | |
| WFM | Wing Fai Mansion | Residential | 1/F | 21.1 | | 59 | 59 | | | | | | | |
| | | | 8/F | 40.7 | | 59 | 59 | | | | | | | |
| | | | 15/F | 60.3 | | 59 | 59 | | | | | | | |
| SUV | Sunrise Villa | Residential | 1/F | 14.3 | | 60 | 60 | | | | | | | |
| | | | 18/F | 61.9 | | 60 | 60 | | | | | | | |
| | | | 30/F | 95.5 | | 60 | 60 | | | | | | | |
| MHE | Model Housing Estate | Residential | 1/F | 8.3 | | 62 | 62 | | | | | | | |
| | | | 5/F | 19.5 | | 62 | 62 | | | | | | | |
| | | | 9/F | 30.7 | | 62 | 62 | | | | | | | |
| KCM | Kut Cheong Mansion | Residential | 1/F | 9.8 | | 62 | 62 | | | | | | | |
| | | | 4/F | 18.2 | | 62 | 62 | | | | | | | |
| | | | 7/F | 26.6 | | 62 | 62 | | | | | | | |
| LKB | Lai King Building | Residential | 1/F | 7.2 | | 60 | 60 | | | | | | | |
| | | | 4/F | 15.6 | | 60 | 60 | | | | | | | |
| | | | 7/F | 24.0 | | 60 | 60 | | | | | | | |
| FSQ | North Point Fire Services Married Quarters | Residential | 1/F | 6.7 | | 66 | 66 | | | | | | | |
| | | | 4/F | 15.1 | | 66 | 66 | | | | | | | |
| | | | 7/F | 23.5 | | 66 | 66 | | | | | | | |
| **Act 4 - Pipe Laying** | | | | | | | | | | | | | | |
| **NSR** | **Description** | **Usage** | **Floor** | **mPD** | | | | | | | | | | |
| SCH01 | Po Leung Kuk Ngan Po Ling College | Educational | 1/F | 9.0 | | | | 65 | 65 | 65 | | | | |
| | | | 2/F | 11.8 | | | | 65 | 65 | 65 | | | | |
| | | | 4/F | 17.4 | | | | 65 | 65 | 65 | | | | |
| SCH02 | CCC Kei To Secondary School | Educational | 1/F | 9.0 | | | | 66 | 66 | 66 | | | | |
| | | | 3/F | 14.6 | | | | 66 | 66 | 66 | | | | |
| | | | 6/F | 23.0 | | | | 66 | 66 | 66 | | | | |
| WFM | Wing Fai Mansion | Residential | 1/F | 21.1 | | | | 64 | 64 | 64 | | | | |
| | | | 8/F | 40.7 | | | | 63 | 63 | 63 | | | | |
| | | | 15/F | 60.3 | | | | 63 | 63 | 63 | | | | |
| SUV | Sunrise Villa | Residential | 1/F | 14.3 | | | | 64 | 64 | 64 | | | | |
| | | | 18/F | 61.9 | | | | 64 | 64 | 64 | | | | |
| | | | 30/F | 95.5 | | | | 64 | 64 | 64 | | | | |
| MHE | Model Housing Estate | Residential | 1/F | 8.3 | | | | 66 | 66 | 66 | | | | |
| | | | 5/F | 19.5 | | | | 66 | 66 | 66 | | | | |
| | | | 9/F | 30.7 | | | | 66 | 66 | 66 | | | | |
| KCM | Kut Cheong Mansion | Residential | 1/F | 9.8 | | | | 66 | 66 | 66 | | | | |
| | | | 4/F | 18.2 | | | | 66 | 66 | 66 | | | | |
| | | | 7/F | 26.6 | | | | 66 | 66 | 66 | | | | |
| LKB | Lai King Building | Residential | 1/F | 7.2 | | | | 64 | 64 | 64 | | | | |
| | | | 4/F | 15.6 | | | | 64 | 64 | 64 | | | | |
| | | | 7/F | 24.0 | | | | 64 | 64 | 64 | | | | |
| FSQ | North Point Fire Services Married Quarters | Residential | 1/F | 6.7 | | | | 70 | 70 | 70 | | | | |
| | | | 4/F | 15.1 | | | | 70 | 70 | 70 | | | | |
| | | | 7/F | 23.5 | | | | 70 | 70 | 70 | | | | |

Note: Figure in shaded boxes denotes exceedances of relevant noise criteria

# Cumulative Construction Noise Impact (Unmitigated)

# Appendix I3

| Predicted Noise Level (dB (A)) of Main Construction Activities | | | | | 04 Jan 2012 - 02 Apr 2012 | 03 Apr 2012 - 21 Aug 2012 | 21 Aug 2012 - 28 Nov 2012 | 29 Nov 2012 - 28 Apr 2013 | 28 Apr 2013 - 17 May 2013 | 18 May 2013 - 26 Jun 2013 | 27 Jul 2013 - 23 Nov 2013 | 24 Nov 2013 - 23 Dec 2013 | 24 Dec 2013 - 22 Jan 2014 | 23 Jan 2014 - 22 Apr 2014 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Act 5 - Seawall Reinstatement** | | | | | | | | | | | | | | |
| **NSR** | **Description** | **Usage** | **Floor** | **mPD** | | | | | | | | | | |
| SCH01 | Po Leung Kuk Ngan Po Ling College | Educational | 1/F | 9.0 | | | | | | | 68 | | | |
| | | | 2/F | 11.8 | | | | | | | 68 | | | |
| | | | 4/F | 17.4 | | | | | | | 68 | | | |
| SCH02 | CCC Kei To Secondary School | Educational | 1/F | 9.0 | | | | | | | 70 | | | |
| | | | 3/F | 14.6 | | | | | | | 70 | | | |
| | | | 6/F | 23.0 | | | | | | | 70 | | | |
| WFM | Wing Fai Mansion | Residential | 1/F | 21.1 | | | | | | | 65 | | | |
| | | | 8/F | 40.7 | | | | | | | 65 | | | |
| | | | 15/F | 60.3 | | | | | | | 65 | | | |
| SUV | Sunrise Villa | Residential | 1/F | 14.3 | | | | | | | 65 | | | |
| | | | 18/F | 61.9 | | | | | | | 65 | | | |
| | | | 30/F | 95.5 | | | | | | | 65 | | | |
| MHE | Model Housing Estate | Residential | 1/F | 8.3 | | | | | | | 69 | | | |
| | | | 5/F | 19.5 | | | | | | | 69 | | | |
| | | | 9/F | 30.7 | | | | | | | 69 | | | |
| KCM | Kut Cheong Mansion | Residential | 1/F | 9.8 | | | | | | | 68 | | | |
| | | | 4/F | 18.2 | | | | | | | 68 | | | |
| | | | 7/F | 26.6 | | | | | | | 68 | | | |
| LKB | Lai King Building | Residential | 1/F | 7.2 | | | | | | | 65 | | | |
| | | | 4/F | 15.6 | | | | | | | 65 | | | |
| | | | 7/F | 24.0 | | | | | | | 65 | | | |
| FSQ | North Point Fire Services Married Quarters | Residential | 1/F | 6.7 | | | | | | | 71 | | | |
| | | | 4/F | 15.1 | | | | | | | 71 | | | |
| | | | 7/F | 23.5 | | | | | | | 71 | | | |
| **Act 6 - Placement of Rockfill** | | | | | | | | | | | | | | |
| **NSR** | **Description** | **Usage** | **Floor** | **mPD** | | | | | | | | | | |
| SCH01 | Po Leung Kuk Ngan Po Ling College | Educational | 1/F | 9.0 | | | | | | | 60 | 60 | | |
| | | | 2/F | 11.8 | | | | | | | 60 | 60 | | |
| | | | 4/F | 17.4 | | | | | | | 60 | 60 | | |
| SCH02 | CCC Kei To Secondary School | Educational | 1/F | 9.0 | | | | | | | 61 | 61 | | |
| | | | 3/F | 14.6 | | | | | | | 61 | 61 | | |
| | | | 6/F | 23.0 | | | | | | | 60 | 60 | | |
| WFM | Wing Fai Mansion | Residential | 1/F | 21.1 | | | | | | | 58 | 58 | | |
| | | | 8/F | 40.7 | | | | | | | 58 | 58 | | |
| | | | 15/F | 60.3 | | | | | | | 58 | 58 | | |
| SUV | Sunrise Villa | Residential | 1/F | 14.3 | | | | | | | 59 | 59 | | |
| | | | 18/F | 61.9 | | | | | | | 59 | 59 | | |
| | | | 30/F | 95.5 | | | | | | | 58 | 58 | | |
| MHE | Model Housing Estate | Residential | 1/F | 8.3 | | | | | | | 61 | 61 | | |
| | | | 5/F | 19.5 | | | | | | | 61 | 61 | | |
| | | | 9/F | 30.7 | | | | | | | 61 | 61 | | |
| KCM | Kut Cheong Mansion | Residential | 1/F | 9.8 | | | | | | | 61 | 61 | | |
| | | | 4/F | 18.2 | | | | | | | 61 | 61 | | |
| | | | 7/F | 26.6 | | | | | | | 61 | 61 | | |
| LKB | Lai King Building | Residential | 1/F | 7.2 | | | | | | | 59 | 59 | | |
| | | | 4/F | 15.6 | | | | | | | 59 | 59 | | |
| | | | 7/F | 24.0 | | | | | | | 59 | 59 | | |
| FSQ | North Point Fire Services Married Quarters | Residential | 1/F | 6.7 | | | | | | | 65 | 65 | | |
| | | | 4/F | 15.1 | | | | | | | 65 | 65 | | |
| | | | 7/F | 23.5 | | | | | | | 65 | 65 | | |
| **Act 7 - Construction of Pigging Station** | | | | | | | | | | | | | | |
| **NSR** | **Description** | **Usage** | **Floor** | **mPD** | | | | | | | | | | |
| SCH01 | Po Leung Kuk Ngan Po Ling College | Educational | 1/F | 9.0 | | | | | | | 66 | 66 | 66 | 66 |
| | | | 2/F | 11.8 | | | | | | | 66 | 66 | 66 | 66 |
| | | | 4/F | 17.4 | | | | | | | 66 | 66 | 66 | 66 |
| SCH02 | CCC Kei To Secondary School | Educational | 1/F | 9.0 | | | | | | | 66 | 66 | 66 | 66 |
| | | | 3/F | 14.6 | | | | | | | 66 | 66 | 66 | 66 |
| | | | 6/F | 23.0 | | | | | | | 66 | 66 | 66 | 66 |
| WFM | Wing Fai Mansion | Residential | 1/F | 21.1 | | | | | | | 62 | 62 | 62 | 62 |
| | | | 8/F | 40.7 | | | | | | | 62 | 62 | 62 | 62 |
| | | | 15/F | 60.3 | | | | | | | 62 | 62 | 62 | 62 |
| SUV | Sunrise Villa | Residential | 1/F | 14.3 | | | | | | | 61 | 61 | 61 | 61 |
| | | | 18/F | 61.9 | | | | | | | 60 | 60 | 60 | 60 |
| | | | 30/F | 95.5 | | | | | | | 60 | 60 | 60 | 60 |
| MHE | Model Housing Estate | Residential | 1/F | 8.3 | | | | | | | 65 | 65 | 65 | 65 |
| | | | 5/F | 19.5 | | | | | | | 65 | 65 | 65 | 65 |
| | | | 9/F | 30.7 | | | | | | | 65 | 65 | 65 | 65 |
| KCM | Kut Cheong Mansion | Residential | 1/F | 9.8 | | | | | | | 62 | 62 | 62 | 62 |
| | | | 4/F | 18.2 | | | | | | | 62 | 62 | 62 | 62 |
| | | | 7/F | 26.6 | | | | | | | 62 | 62 | 62 | 62 |
| LKB | Lai King Building | Residential | 1/F | 7.2 | | | | | | | 62 | 62 | 62 | 62 |
| | | | 4/F | 15.6 | | | | | | | 62 | 62 | 62 | 62 |
| | | | 7/F | 24.0 | | | | | | | 62 | 62 | 62 | 62 |
| FSQ | North Point Fire Services Married Quarters | Residential | 1/F | 6.7 | | | | | | | 63 | 63 | 63 | 63 |
| | | | 4/F | 15.1 | | | | | | | 63 | 63 | 63 | 63 |
| | | | 7/F | 23.5 | | | | | | | 63 | 63 | 63 | 63 |
| **Overall Activities** | | | | | | | | | | | | | | |
| **NSR** | **Description** | **Usage** | **Floor** | **mPD** | | | | | | | | | | |
| SCH01 | Po Leung Kuk Ngan Po Ling College | Educational | 1/F | 9.0 | 73 | 61 | 74 | 74 | 74 | 65 | 71 | 67 | 66 | 66 |
| | | | 2/F | 11.8 | 73 | 61 | 74 | 74 | 74 | 65 | 71 | 67 | 66 | 66 |
| | | | 4/F | 17.4 | 73 | 61 | 74 | 74 | 74 | 65 | 71 | 67 | 66 | 66 |
| SCH02 | CCC Kei To Secondary School | Educational | 1/F | 9.0 | 73 | 62 | 75 | 76 | 76 | 66 | 72 | 67 | 66 | 66 |
| | | | 3/F | 14.6 | 73 | 62 | 75 | 76 | 76 | 66 | 72 | 67 | 66 | 66 |
| | | | 6/F | 23.0 | 73 | 62 | 75 | 75 | 75 | 66 | 72 | 67 | 66 | 66 |
| WFM | Wing Fai Mansion | Residential | 1/F | 21.1 | 69 | 59 | 71 | 71 | 71 | 64 | 68 | 64 | 62 | 62 |
| | | | 8/F | 40.7 | 69 | 59 | 71 | 71 | 71 | 63 | 67 | 64 | 62 | 62 |
| | | | 15/F | 60.3 | 69 | 59 | 71 | 71 | 71 | 63 | 67 | 63 | 62 | 62 |
| SUV | Sunrise Villa | Residential | 1/F | 14.3 | 68 | 60 | 71 | 71 | 71 | 64 | 67 | 63 | 61 | 61 |
| | | | 18/F | 61.9 | 67 | 60 | 71 | 71 | 71 | 64 | 67 | 63 | 60 | 60 |
| | | | 30/F | 95.5 | 67 | 60 | 70 | 71 | 71 | 64 | 67 | 62 | 60 | 60 |
| MHE | Model Housing Estate | Residential | 1/F | 8.3 | 72 | 62 | 74 | 75 | 75 | 66 | 71 | 66 | 65 | 65 |
| | | | 5/F | 19.5 | 72 | 62 | 74 | 75 | 75 | 66 | 71 | 66 | 65 | 65 |
| | | | 9/F | 30.7 | 71 | 62 | 74 | 75 | 75 | 66 | 71 | 66 | 65 | 65 |
| KCM | Kut Cheong Mansion | Residential | 1/F | 9.8 | 69 | 62 | 74 | 74 | 74 | 66 | 70 | 65 | 62 | 62 |
| | | | 4/F | 18.2 | 69 | 62 | 74 | 74 | 74 | 66 | 70 | 65 | 62 | 62 |
| | | | 7/F | 26.6 | 69 | 62 | 74 | 74 | 74 | 66 | 70 | 65 | 62 | 62 |
| LKB | Lai King Building | Residential | 1/F | 7.2 | 69 | 60 | 71 | 71 | 71 | 64 | 68 | 64 | 62 | 62 |
| | | | 4/F | 15.6 | 69 | 60 | 71 | 71 | 71 | 64 | 68 | 64 | 62 | 62 |
| | | | 7/F | 24.0 | 69 | 60 | 71 | 71 | 71 | 64 | 68 | 64 | 62 | 62 |
| FSQ | North Point Fire Services Married Quarters | Residential | 1/F | 6.7 | 70 | 66 | 77 | 77 | 77 | 70 | 73 | 67 | 63 | 63 |
| | | | 4/F | 15.1 | 70 | 66 | 77 | 77 | 77 | 70 | 73 | 67 | 63 | 63 |
| | | | 7/F | 23.5 | 70 | 66 | 77 | 77 | 77 | 70 | 73 | 67 | 63 | 63 |

Note: Figure in shaded boxes denotes exceedances of relevant noise criteria