

Appendix 4.6
Powered Mechanical Equipment (PME)
for CRIII Project
(With Mitigation Measures)

Appendix 4.6

**Powered Mechanical Equipment (PME) for CRIII Project
(With Mitigation Measures)**

CWB in FRAE

| Powered Mechanical Equipment (PME) | TM Ref./ other Ref. | No. Items | SWL/Item dB(A) | On-time % | Total SWL dB(A) |
|------------------------------------|---------------------|-----------|----------------|-----------|-----------------|
| Diaphragm Wall Rig | CNP 164 | 2 | 115.0 | 100.0% | 118.0 |
| Bentonite Plant | CNP 162 | 2 | 105.0 | 100.0% | 108.0 |
| Concrete Lorry Mixer* | Table C6/35 | 4 | 100.0 | 100.0% | 106.0 |
| Concrete Pump* | Table C6/36 | 2 | 106.0 | 100.0% | 109.0 |
| Dump Truck* | Table C9/27 | 4 | 105.0 | 100.0% | 111.0 |
| Excavator* | Table C3/97 | 2 | 105.0 | 100.0% | 108.0 |
| Crane* | Table C7/114 | 2 | 101.0 | 100.0% | 104.0 |
| Total | | | | | 120.1 |

Culverts K Construction

| Powered Mechanical Equipment (PME) | TM Ref./ other Ref. | No. Items | SWL/Item dB(A) | On-time % | Total SWL dB(A) |
|------------------------------------|---------------------|-----------|----------------|-----------|-----------------|
| Crane* | Table C7/114 | 1 | 101.0 | 100.0% | 101.0 |
| Excavator* | Table C3/97 | 1 | 105.0 | 100.0% | 105.0 |
| Dump Truck* | Table C9/27 | 2 | 105.0 | 100.0% | 108.0 |
| Concrete Lorry Mixer* | Table C6/35 | 2 | 100.0 | 100.0% | 103.0 |
| Poker Vibrator* | Table C6/32 | 1 | 100.0 | 100.0% | 100.0 |
| Compactor, Vibratory | CNP050 | 2 | 105.0 | 100.0% | 108.0 |
| Air Compressor* | Table C7/16 | 1 | 96.0 | 100.0% | 96.0 |
| Total | | | | | 113.1 |

Roadworks

| Powered Mechanical Equipment (PME) | TM Ref./ other Ref. | No. Items | SWL/Item dB(A) | On-time % | Total SWL dB(A) |
|------------------------------------|---------------------|-----------|----------------|-----------|-----------------|
| Dump Truck* | Table C9/27 | 2 | 105.0 | 100.0% | 108.0 |
| Excavator* | Table C3/97 | 2 | 105.0 | 100.0% | 108.0 |
| Grader* | Table C9/11 | 1 | 110.0 | 100.0% | 110.0 |
| Loader* | Table C3/97 | 1 | 105.0 | 100.0% | 105.0 |
| Vibatory Roller* | Table C3/116 | 1 | 106.0 | 100.0% | 106.0 |
| Road Roller* | Table C8/27 | 1 | 104.0 | 100.0% | 104.0 |
| Asphalt Paver* | Table C8/24 | 1 | 101.0 | 100.0% | 101.0 |
| Planer | CNP184 | 1 | 111.0 | 100.0% | 111.0 |
| Total | | | | | 116.6 |

*Use of QPME