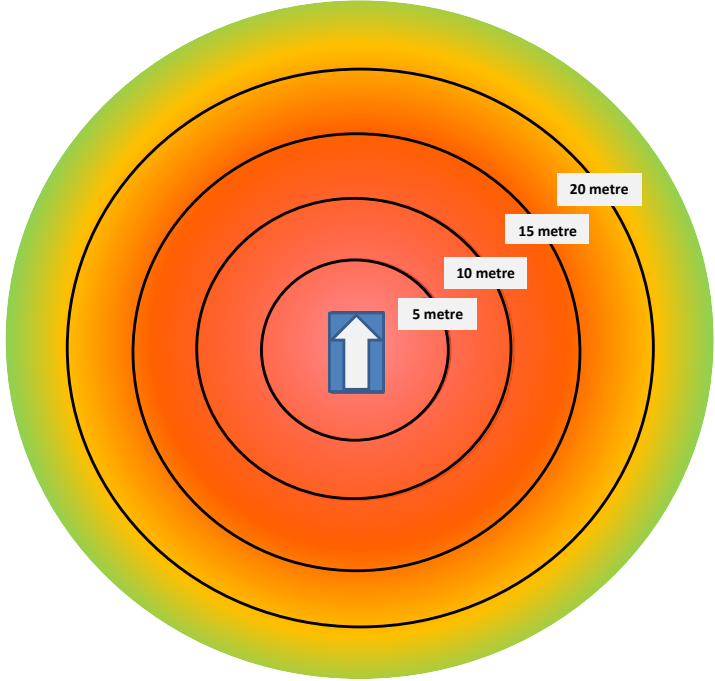


# Noise Assessment Record

## Junttan PM20 (G5)

| Task undertaken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Installation of precast concrete piles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                 | <table border="1"> <thead> <tr> <th data-bbox="884 226 1246 315">Location</th><th colspan="2" data-bbox="1246 226 1370 315">Sound Pressure Level, LAeq</th></tr> </thead> <tbody> <tr> <td data-bbox="884 315 1246 371">Cab (Window closed)</td><td data-bbox="1246 315 1370 371">82</td><td data-bbox="1370 315 1485 371">dB(A)</td></tr> <tr> <td data-bbox="884 371 1246 427">Cab (Window open)</td><td data-bbox="1246 371 1370 427">87</td><td data-bbox="1370 371 1485 427">dB(A)</td></tr> <tr> <td data-bbox="884 427 1246 483">5m from machine</td><td data-bbox="1246 427 1370 483">98</td><td data-bbox="1370 427 1485 483">dB(A)</td></tr> <tr> <td data-bbox="884 483 1246 539">10m from machine</td><td data-bbox="1246 483 1370 539">95</td><td data-bbox="1370 483 1485 539">dB(A)</td></tr> <tr> <td data-bbox="884 539 1246 595">15m from machine</td><td data-bbox="1246 539 1370 595">91</td><td data-bbox="1370 539 1485 595">dB(A)</td></tr> <tr> <td data-bbox="884 595 1246 651">20m from machine</td><td data-bbox="1246 595 1370 651">88</td><td data-bbox="1370 595 1485 651">dB(A)</td></tr> <tr> <td data-bbox="884 651 1246 701">Background noise</td><td data-bbox="1246 651 1370 701">80</td><td data-bbox="1370 651 1485 701">dB(A)</td></tr> </tbody> </table> |       |                                                    | Location | Sound Pressure Level, LAeq |                            | Cab (Window closed) | 82    | dB(A)                            | Cab (Window open) | 87    | dB(A) | 5m from machine | 98 | dB(A) | 10m from machine | 95 | dB(A) | 15m from machine | 91 | dB(A) | 20m from machine | 88 | dB(A) | Background noise | 80 | dB(A) |
| Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sound Pressure Level, LAeq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| Cab (Window closed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| Cab (Window open)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| 5m from machine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| 10m from machine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| 15m from machine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 91                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| 20m from machine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| Background noise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| <table border="1"> <thead> <tr> <th colspan="3" data-bbox="884 730 1485 768">Daily Personal Noise Exposure (L<sub>EP,d</sub>)</th></tr> </thead> <tbody> <tr> <td data-bbox="884 768 1291 824">Operatives 5m from machine</td><td data-bbox="1291 768 1393 824">98</td><td data-bbox="1393 768 1485 824">dB(A)</td></tr> <tr> <td data-bbox="884 824 1291 875">Machine operator (window closed)</td><td data-bbox="1291 824 1393 875">84</td><td data-bbox="1393 824 1485 875">dB(A)</td></tr> </tbody> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       | Daily Personal Noise Exposure (L <sub>EP,d</sub> ) |          |                            | Operatives 5m from machine | 98                  | dB(A) | Machine operator (window closed) | 84                | dB(A) |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| Daily Personal Noise Exposure (L <sub>EP,d</sub> )                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| Operatives 5m from machine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| Machine operator (window closed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dB(A) |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| <p>Note: Sound levels radiating from the machine will vary depending on prevailing site conditions and proximity of surrounding structures</p>                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |
| Noise Control Measures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <ul style="list-style-type: none"> <li>• Engine bay doors closed during operation.</li> <li>• Regular maintenance of equipment conducted</li> <li>• Wooden packers within helmet reduces noise slightly</li> <li>• Correctly fitted hearing protection with minimum SNR value of 30 must be worn within 20metres of the rig. Rig operator may remove hearing protection provided windows remain closed</li> <li>• The Principal Contractor shall be notified of the noise levels so that the risks to other contractors on site can be determined</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                                    |          |                            |                            |                     |       |                                  |                   |       |       |                 |    |       |                  |    |       |                  |    |       |                  |    |       |                  |    |       |