

Ground Vibration Report

Summary

|                        |                                         |
|------------------------|-----------------------------------------|
| Event Type             | Production Blast                        |
| Magnitude              | N/A                                     |
| Event Date             | 2026/08/10                              |
| Event Time             | 18:48:51 Australia/Melbourne            |
| Location               | Phoenix                                 |
| Distance Below Surface | ~1140 m                                 |
| Notes                  | PHX 4010 CYG 6365 F2<br>Duration: 0.94s |



PPV Measurements

| Site ID | X Component |           | Y Component |           | Z Component |           | Vector |
|---------|-------------|-----------|-------------|-----------|-------------|-----------|--------|
|         | PPV (mm/s)  | Freq (Hz) | PPV (mm/s)  | Freq (Hz) | PPV (mm/s)  | Freq (Hz) |        |
| FGV16   | 0.98        | 22.1      | 0.44        | 20.3      | 0.25        | 29.9      | 0.99   |
| FGV1    | 0.26        | 23.7      | 0.38        | 23.0      | 0.26        | 31.4      | 0.40   |
| FGV7    | < 0.20      | 24.7      | 0.21        | 20.3      | 0.20        | 15.8      | 0.25   |
| FGV20   | 0.22        | 26.6      | < 0.20      | 24.5      | < 0.20      | 25.4      | 0.25   |
| FGV14   | 0.22        | 29.5      | < 0.20      | 27.2      | < 0.20      | 34.5      | 0.22   |
| FGV5    | < 0.20      | 24.2      | < 0.20      | 23.9      | < 0.20      | 35.6      | < 0.20 |
| FGV2    | < 0.20      | 22.4      | < 0.20      | 31.3      | < 0.20      | 30.3      | < 0.20 |
| FGV4    | < 0.20      | 32        | < 0.20      | 26.0      | < 0.20      | 26.7      | < 0.20 |
| FGV15   | < 0.20      | 27.3      | < 0.20      | 26.5      | < 0.20      | 24.9      | < 0.20 |
| FGV11   | < 0.20      | 20.1      | < 0.20      | 29.8      | < 0.20      | 19.8      | < 0.20 |
| FGV3    | -           | -         | -           | -         | -           | -         | -      |
| FGV6    | -           | -         | -           | -         | -           | -         | -      |
| FGV8    | -           | -         | -           | -         | -           | -         | -      |
| FGV9    | -           | -         | -           | -         | -           | -         | -      |
| FGV10   | -           | -         | -           | -         | -           | -         | -      |
| FGV12   | -           | -         | -           | -         | -           | -         | -      |
| FGV13   | -           | -         | -           | -         | -           | -         | -      |
| FGV17   | -           | -         | -           | -         | -           | -         | -      |
| FGV18   | -           | -         | -           | -         | -           | -         | -      |
| FGV19   | -           | -         | -           | -         | -           | -         | -      |
| FGV21   | -           | -         | -           | -         | -           | -         | -      |
| FGV22   | -           | -         | -           | -         | -           | -         | -      |
| FGV23   | -           | -         | -           | -         | -           | -         | -      |
| FGV24   | -           | -         | -           | -         | -           | -         | -      |
| FGV25   | -           | -         | -           | -         | -           | -         | -      |

Per-component Peak Particle Velocities (PPV) vs. Zero Crossing Frequencies.  
Line indicates cosmetic damage guidelines  
(residential buildings, Fig. J4.4.2.1, AS 2187.2:2006).

Legend: Below detection threshold Below 15 mm/s Above 15 mm/s Above damage curve

