

## **Noise Monitoring and Mitigation Plan**

### **Construction Phase:**

Where possible, stationary noisy equipment (for example compressors, pumps, pneumatic breakers,) should be encapsulated in acoustic covers, screens or sheds. Use of low-noise generation construction machinery. Noise control measures on construction machinery must, however, be agreed with the manufacturer.

Curtailing the uses of reverse-warning signals on site vehicles in certain areas and at certain times. Consideration of alternative safety measures may be necessary when taking such a measure. All construction vehicles, plant and equipment are to be kept in good repair, for example, cover sheets should not vibrate or rattle; wheels, rollers and pulleys should not squeak. With regard to unavoidable very noisy construction activities in the vicinity of noise sensitive areas, the EPC Contractor should liaise with local residents and landowners on how best to minimise impact, and the local population should be kept informed of the nature and duration of intended activities in advance. When construction works need to continue over a weekend or on a public holiday, all directly affected landowners and parties need to be informed in writing at least two days before such work commences.

As construction workers operate in a very noisy environment, it must be ensured that their working conditions comply with the requirements of the Occupational Health and Safety Act (Act No 85 of 1993), and where necessary ear protection gear should be worn. When it is expected that the activity will generate noise levels over the 85db threshold, all employees exposed to the noise have to wear suitable hearing protection gear. All engineering controls aimed at reducing the level of noise generated by the proposed activity needs to be implemented.

### **Operation Phase:**

Noise pollution emanating from the facility during operation will not generate excessive noise but where possible, very noisy activities should not take place at night (between the hours of 20h00 to 06h00). It must be ensured with the washing of the heliostats at night that noise levels from the high-pressure hose system (compressor) on the trucks are minimised.