



Column Article

Noise Reduction
Remedies

All plants that use conveyors, screens, feeders, crushers, bins, chutes, rock boxes, etc. are inherently noisy. Several attempts at quick or expensive fixes have not worked. Here are some practical yet inexpensive solutions that will help in reducing the noise levels to acceptable levels.

- ◆ Enclose screens and feeders with plywood boxes lined inside with 2 in. thick fiberglass insulation to deaden the noise.
- ◆ Line the bins, chutes, rock boxes and similar devices with 1 in. thick Abrasion Resistant rubber to stop the noise created by the impact of the rocks.
- ◆ The noise from the crusher is generated by the crushing action itself and is not easy to attenuate. Enclosing the crusher is the only effective solution but not very practical. The best alternative is to make ear protection available to all personnel that work close to a crusher. Also soundproof enclosures can be provided for the operators or they can be rotated so that their exposure is limited.
- ◆ Create dead beds of material, every place you can, where the material is being carried, transferred, stored or dumped. This will reduce the noise and save you money by reducing abrasive wear of the expensive parts.

With the above solutions you can meet the OSHA requirements without spending the megabucks.