IMA-NA CASE STUDY #3
Fairmount Minerals Ensures a Better Tomorrow, One Step at a Time

• In 2012, there were 1,432 slips, trips and falls reported to MSHA.

• The use of fixed ladders accounted for some of these incidents.

• Fairmount Minerals has found a viable solution to this problem by eliminating most of the fixed ladders and replacing them with the “Lapeyre Stair.”

• The Lapeyre Alternating Tread Stair features a unique tread design that provides greater tread depth than vertical ladders or ship’s ladders, and can be used anywhere that a steep ladder or steep stair (between 50 - 70 degrees) would be used.

• The benefits of the Alternating Tread Stair are:
  - Allows comfortable face forward descents at steep angles;
  - Includes close fitting handrails that provide support;
  - Available in aluminum for exterior applications and for applications where weight is a consideration;
  - Results in significantly fewer missteps;
  - Uses less material than a standard stairway while taking-up less floor space; and
  - Has a cushioned central stringer that virtually eliminates the possibility of hitting the nosing of a tread.
• How it works...

**Conventional Stair:** Imagine walking down (or up) a conventional stair. Each foot normally uses only about half of each tread, stepping out and over the unused section (shaded red).

**Steep Stair:** On a steeper stair or ladder, the unused half tread becomes an obstacle, significantly reducing the usable tread depth of the tread directly below. As the angle increases, the problem becomes worse.

**Alternating Tread Stair:** In contrast, the Lapeyre stair removes the unused half of each tread, allowing the foot to reach the next tread in a straight, direct line, providing more usable tread depth.

For more information visit [http://www.lapeyrestair.com](http://www.lapeyrestair.com).