

Major Iron Ore Shipping and Handling Terminal Protects Workers with ASGCO® Conveyor Guarding & Safety Equipment.

Industry	Iron Ore Shipping Terminal
Application	Conveyor Guarding and Safety Equipment
Product	ASGCO® Safe-Guard™ Flat Conveyor Guard and Safe-Guard™ Return Idler Cage
Objective	Protect workers from unguarded and moving machinery
Conveyor	Conveyor system tail sections, drives and take-ups, in addition to overhead conveyors were not adequately guarded allowing access to moving components

Objective

To protect workers from all areas of conveyor systems that create a safety hazard, yet allow for easy removal of conveyor guarding, and replacement, when maintenance on the conveyor system is required.

Before Assessment

Numerous tail sections, drives and take-ups were not adequately guarded allowing access to moving components. Some walkway areas also needed to be protected since they were between a permanent wall and the conveyor system(s). The facility also had multiple roadways and railroad tracks that passed underneath conveyors which posed a problem if any of the return idlers broke loose from their drop brackets.

Site assessment was completed, along with detailed drawings, for safety equipment and guarding placement. This will insure that all personnel and visitors are entering and working in a safe environment, while still being able to perform any PM or replacement issues that might arise.



Before - Unguarded machinery



Results - ASGCO® Safe-Guard™ Flat Conveyor Guard protecting workers from moving machinery

Results

By using various standard sizes of the ASGCO® Safe-Guard™ Flat Conveyor Guards, we were able to protect the hazardous areas and still allow them access as needed by easily removing and replacing the lightweight powder coated panels. Conveyor guarding placement was achieved using both the existing structure and some minor modifications for floor mounts. With standard panels sizes implemented into the system, there was no need for special orders.

All overhead areas were secured using the ASGCO® Safe-Guard™ Return Idler Cages, which were easily mounted to the existing conveyor truss on a variety of belt widths. In these difficult to reach areas, where easy access is a major issue, the ASGCO® Return Idler Cage has been an ideal selection.