DUST, DUST, DUST
WHAT THOUGHTS DO YOU HAVE ABOUT DUST?

LET’S OPEN THE FLOOR FOR DISCUSSION
WHAT YOU ARE THINKING!
DUST is defined as: FINE PARTICLES of matter
It generally consists of particles in the atmosphere that come from various sources
SAFETY

WE ALL WANT TO IMPROVE WORKER’S SAFETY
A BIG ONE IS SILICA DUST!

It is created by cutting, grinding, drilling, mining or moving of:

1) Soil
2) Sand
3) Concrete
4) Masonry
5) Rock
6) Granite
THE BIGGEST KEY POINT IS:

SILICA PARTICLE IS SO SMALL, IT CAN’T BE SEEN BY THE NAKED EYE.
(IT IS SMALLER THAN A HUMAN HAIR CROSS SECTION)
IT ONLY TAKES A VERY SMALL AMOUNT OF AIRBORNE SILICA DUST TO CREATE A HEALTH HAZARD
ONE SOLUTION IS:
A CENTRAL DUST COLLECTION SYSTEM

Comprised of a larger, substantial dust collection equipment, these systems are an obvious solution for capturing and removing particulates from the plant environment or larger processes. The primary disadvantage is that these systems remove the material from your process. They are not cost-effective for capturing materials at the point of use!
Second solution is sealed Conveyors

Tubular Drag, Flex Screw and En-Masse conveyors offer a sealed line. They are effective for confining material to the process and eliminating dust.
SEALED CONVEYORS

TUBULAR DRAG CONVEYORS KEEPING EVERYTHING ENCLOSED
THIS IS A MINING OPERATION IN MOZAMBIQUE
HERE THE TUBULAR DRAG CONVEYOR WAS USED TO KEEP THE MINING OPERATION ENCLOSED, DUE TO HIGH LEVELS OF CARCINOGENS.
THIRD SOLUTION IS POINT OF USE

THIS INTEGRAL DUST COLLECTOR IMMEDIATELY CAPTURES THE AIRBORNE PARTICULATES ON A CARTRIDGE FILTER
POINT OF USE

DUST CONTROL PLUS NO LOSS OF MATERIAL
Bulk bag unloaders and flexible screw conveyors confine material to the process and eliminate dust.

KEEPING IT CLEAN
GLOVE BOX DESIGN DUST COLLECTOR

GREATER DUST CONTROL- SELF-CONTAINED SYSTEM IMPROVES SAFETY AND HOUSEKEEPING
CONCLUSION:

BY GETTING A HANDLE ON THE CHALLENGE OF DUSTING AND IMPLEMENTING SOME OF THE INNOVATIVE SAFEGUARDS SEEN HERE TODAY. SO YOU CAN START TO MOVE INTO A SAFER AND HEALTHIER WORKING ENVIRONMENT
Thank you for your time this morning