



HARD FACING CR(VI) EXPOSURES

EEI OCCUPATIONAL SAFETY AND
HEALTH COMMITTEE SPRING
CONFERENCE, NEW ORLEANS

OSHA Cr(VI) STANDARD WELDING

- Stainless Steel - $>$ or $=$ 10.5% Cr
- Carbon Steel - $<$ 10.5% Cr

HARD FACING OR BUILD-UP

- Adding metal to hole digger auger
 - CARBON STEEL AUGER
 - WEARSHIELD ME ROD (30% Cr)
- Open welding shop
- Welding screens
- Pedestal fan
- Normal welding PPE, No Respirator
- Cr Regulated Area - Sign

Cr AIR MONITORING RESULTS

- PERSONAL

- 22.5 ug/m³

- AREA

- 10 ug/m³

- Pedestal Fan blowing toward monitor



RECOMMENDATIONS

- LOCAL EXHAUST VENTILATION - Smog Hog
- Remonitor Exposures
- RESPIRATOR, at least N-100
- Continue Regulated Area



QUESTIONS
