FUME OR DUST PRODUCED BY ARC WELDING (Continued)

Material Being Welded	Electrode Used	Size of Electrode	Particles Per cu. ft.	Characteristics of Dust Particles. (Sizes and Percentages Estimated)
18-8 Stainless Steel Band at Top of Soaking Drum Manhead	Stainweld A Coated	5/32"	849,600	About 60% slightly angular semi-opaque, 5 microns or less in size; 20% rounded, over 10 microns; 20% very glass-like, 10 microns or less.
1/2" Boiler Plate to 6" Pipe Inside Booth.	G-E W20 Coated	3/16"	23,222,400	About 80% semi-opaque, reddish brown rounded, crystalline, 5 microns or less; 20% round globules of metal 5 microns or more in size. Countless number of small particles.
1/2" Boiler Plate to 6" Pipe Inside Booth.	Roebling Iron Rod	5/32"	26,592,480	About 90% black opaque, 1 micron or less in size; 5% rounded metallic globular, 5 microns or less; 5% slightly angular, semi-opaque, crystalline, 3 microns or less. Countless number reddish brown particles.
Back Welding a Flange on 6" Standard Pipe in Outside Welding Shop.	Fleetweld #7 Coated	5/32"	362,496	About 95% black opaque metallic, 2 microns or less; 5% angular crystalline, 5 microns or less. Countless number of reddish brown particles.
Back Welding a Flange on 6" Standard Pipe Inside Booth.	Fleetweld #7 Coated	5/32"	1,000,640	About 95% black opaque metallic, 2 microns or less; 5% angular crystalline, 5 microns or less. Countless number of black particles.
Welding Rivets Inside Cracking Coil Vaporizer (Mild Steel Aluminum Coated).	Fleetweld #7 Coated	5/32"	6,253,056	About 95% angular crystalline, 5 microns or less, mostly around 2 microns; 5% semi-opaque, round, 5 microns. Countless number of black particles.