



CLEAN AIR AMERICA, INC.



Application Spotlight

Quality Industries, Inc., a large-scale operation performing metal fabricating, coating, and assembly in La Vergne, TN, sought a solution for aluminum welding fume collection, while simultaneously needing to eliminate exhaust fans during the winter months to ensure worker comfort. Clean Air America Inc. conducted a site survey to evaluate current air conditions and the feasibility of source capture, and then proposed a solution. The **Clean Air Streamer™** models now allow welders to work without impediment from fume arms or hoods, allow crane access, and, by creating the proper amount of air changes, have reduced the amount of aluminum oxide in the work area. The **Clean Air Streamer™** also provides the benefit of de-stratification of heated air in the ceiling area.



CLEAN AIR AMERICA, INC.

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Quality Industries, Inc. installed (6) six **Clean Air Streamer™** models in a cross bay air pattern to meet the air quality requirements — achieving air changes every six minutes, which reduced the overall steady state concentrations well below 0.50 milligrams per cubic meter - to ensure compliance. The resulting effect allowed the customer to eliminate two overhead ceiling mounted exhaust fans, increase the temperature in the working area from de-stratification, and provide effective filtration for (24) manual welding stations and (2) robotic welders. Clean Air America, Inc. provided installation, start-up, and set-up of the discharge louvers to complete installation.