



Project Profile

Client: Snake River Trailer

Snake River Trailer is a horse and cargo trailer manufacturing facility located in Caldwell, Idaho. The parent company operates other facilities in Idaho, located in Boise, Idaho. Thermal spray processes are used to coat steel parts with a variety of metal coatings from aluminum to zinc.

Project Scope:

TORF Environmental Management was retained to obtain an Air Quality Permit to Construct for paint spray booths and curing air heaters at a new facility.

Challenges: Our Client wanted to switch to newer low-VOC primer and topcoat. However, if the new coatings failed to meet application and durability requirements, the Client also wanted the option of using its “traditional” coatings. Therefore, emissions had to be estimated and permit limitations had to be determined for three different primer and top-coat combinations.

Work Product: TEM determined emission inventories that maximized production while meeting emission limits and performed ambient air modeling that confirmed air quality compliance. TEM worked with the Idaho DEQ to identify an unlisted Toxic Air Pollutant in the low-VOC topcoat and establish the TAP’s acceptable ambient concentration.

Value Added: TEM developed a Permit that maximized coating flexibility and allowed the Client to pursue lower-polluting alternatives without risking product quality.