

Emissions Reduction Estimation Methodology

9 RVP gasoline in October

April through September = 6 months

7.8 instead of 9 for 6 months = 622 tpy or 104 tpm VOC reduction

$9/11.5 = 78\%$ or a 22% reduction

$7.8/9 = 87\%$ or a 13% reduction

$104 \text{ tpm} \times 22/13 = 176 \text{ tpm}$

October is a cooler month; so use 50% of 176 = 88 tons for October

Print Shops

Lower VOC content fountain solutions, solvents, alcohols, varnish top-coats, and inks were recommended and utilized. A seal inspection program for the containers of these materials was implemented and the containers were moved to a storage cabinet with a well sealed door. Waste rags were recommended to be stored in sealed containers.

EI prior to PPP = 76 tpy; after PPP = 19 tpy

Reduction = 57 tpy

Dry Cleaners

Recommended and implemented the utilization of closed dry cleaning systems and solvent recovery units. Low VOC solvent was recommended and utilized, and an inspection program for solvent containers was implemented.

EI prior to PPP = 268 tpy; after PPP = 42 tpy

Reduction = 226 tpy

Furniture Manufacturing

Recommended and implemented the use of paint booths and HVLP guns. Recommended and implemented the use of low VOC solvents, strippers, lacquers, thinners, mineral spirits, and stains. Recommended and implemented a solvent recycling program. Waste rags and materials were recommended to be stored in sealed containers.

EI prior to PPP = 186 tpy; after PPP = 16 tpy

Reduction = 170 tpy

Auto Refinishing

Recommended and implemented finer filters in paint booths. Recommended and implemented an air-flow program for paint booths to minimize emissions.

Recommended and implemented an HVLP paint gun program, and the use of low VOC products for paints, clear-coats, reducers, hardners, and bases. Recommended and implemented a solvent recycling program. Recommended and implemented a seal inspection program for VOC content materials and had these material containers moved to a central storage cabinet with well sealed storage cabinet doors. Waste rags were recommended to be stored in sealed containers.

EI prior to PPP = 95 tpy; after PPP = 84 tpy

Reduction = 11 tpy