Note: This is a reference cited in *AP 42, Compilation of Air Pollutant Emission Factors, Volume I Stationary Point and Area Sources.* AP42 is located on the EPA web site at www.epa.gov/ttn/chief/ap42/

The file name refers to the reference number, the AP42 chapter and section. The file name "ref02_c01s02.pdf" would mean the reference is from AP42 chapter 1 section 2. The reference may be from a previous version of the section and no longer cited. The primary source should always be checked.

TEXTILE FABRIC PRINTING
AP-42 Section 4.11
Reference Number 10

RECORD OF COMMUNICATION RTI NSPS Project	☑ PHONE CALL ☐ DISCUSSION ☐ FIELD TR ☐ OTHER (SPECIFY) (Record of item checked a	
WITH: Tom Boyce, Foremost Screen Print Plant	FROM: Steve York, RTI	D T

SUBJECT: Request for screen printing process and cost information.

SUMMARY OF COMMUNICATION:

Mr. Boyce provided the following information:

- Conversion factors for lbs and feet per dozen towels unknown. Fieldcrest towels are heavy pile ∴ avg. heavier than most. Sheets are 180 count Percale (50-50 poly/cotton)
- The operating efficiency of the rotary screen lines and of the flat bed screen lines is between 60 and 70 percent.
- The gas-fired ovens are automatically modulated to low fire when not operating so the fabric will not scorch. The steam dryers also drop back.
- No estimate of number of screens purchased per year. Two sets of screens are bought per pattern; 8-10 screens per set. A 110" screen costs $300-350.
- No estimate on total water requirement for process. Water is constantly spraying on the belt (rotary and unit printers) even when machine is not operating.
- Of the Varsol that is purchased, about 50% goes to print paste and 50% to cleanup.
- Last Varsol purchased at $1.25 per gallon.
- Natural gas bill of $20,000 per month for boilers and dryers.

CONCLUSIONS, ACTION TAKEN OR REQUIRED:

INFORMATION COPIES:

TO: