

## 30 TAC 115/442, Offset Lithographic Printing - Requirements Reference Tables

### 30 TAC 115/442 Standards

- [§115.441\(a\)](#) Exemption for all offset lithographic printing lines located on a property with combined emissions of VOC less than 3.0 tons/calendar year.

### El Paso Area

- [§115.442\(a\)\(1\)\(A\)1](#) Heatset web offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (non-refrigerated) to 5.0% or less by volume.
- [§115.442\(a\)\(1\)\(A\)2](#) Heatset web offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (refrigerated < 60 °F) to 10.0% or less by volume.
- [§115.442\(a\)\(1\)\(B\)](#) Non-heatset web offset lithographic printing presses that print newspaper and use alcohol in the fountain solution shall eliminate the use of alcohol through Non-alcohol additives or alcohol substitutes.
- [§115.442\(a\)\(1\)\(C\)1](#) Non-heatset web offset lithographic printing presses that use alcohol in the fountain solution and do not print newspaper shall limit total fountain solution alcohol (non-refrigerated) to 5.0% or less by volume.
- [§115.442\(a\)\(1\)\(C\)2](#) Non-heatset web offset lithographic printing presses that use alcohol in the fountain solution and do not print newspaper shall limit total fountain solution alcohol (refrigerated < 60 °F) to 10.0% or less by volume.
- [§115.442\(a\)\(1\)\(D\)1](#) Sheet-fed offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (non-refrigerated) to 10.0% or less by volume.
- [§115.442\(a\)\(1\)\(D\)2](#) Sheet-fed offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (refrigerated < 60 °F) to 12.0% or less by volume.
- [§115.442\(a\)\(1\)\(E\)](#) Offset lithographic printing presses that do not use alcohol in the fountain solution shall limit the concentration of VOCs in the fountain solution is 3.0 % or less by weight. The fountain solution must not contain isopropyl alcohol.
- [§115.442\(a\)\(2\)](#) The owner or operator of a heatset offset lithographic printing press shall operate a control device to reduce VOC emissions from the press dryer exhaust vent by 90% by weight or maintain a maximum dryer exhaust outlet VOC concentration of 20 parts per million by volume (ppmv), whichever is less stringent when the press is in operation. The dryer air pressure must be lower than the pressroom air pressure at all times when the press is operating to ensure the dryer has a capture efficiency of 100%.

### Houston/Galveston/Brazoria, Dallas/Fort Worth Areas (VOC major sources)

- [§115.442\(b\)\(2\)\(A\)](#) Sheet-fed offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (non-refrigerated) to 5.0% or less by weight.
- [§115.442\(b\)\(2\)\(B\)](#) Sheet-fed offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (refrigerated < 60 °F) to 8.5% or less by weight.
- [§115.442\(b\)\(2\)\(C\)](#) Sheet-fed offset lithographic printing presses shall limit the VOC content of the fountain solution to 3.0% alcohol substitutes or less by weight and no alcohol in the fountain solution.
- [§115.442\(b\)\(3\)](#) Non-heatset web offset lithographic printing presses shall limit the

concentration of VOCs in the fountain solution to 3.0 % or less by weight and no alcohol in the fountain solution.

- [§115.442\(b\)\(4\)\(A\)](#) Heatset web offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (non-refrigerated) to 1.6% or less by weight.
- [§115.442\(b\)\(4\)\(B\)](#) Heatset web offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (refrigerated < 60 °F) to 3.0% or less by weight.
- [§115.442\(b\)\(4\)\(C\)](#) Heatset web offset lithographic printing presses shall limit the concentration of VOCs in the fountain solution is 3.0% alcohol substitutes or less by weight and no alcohol in the fountain solution.
- [§115.442\(b\)\(5\)](#) The owner or operator of a heatset offset lithographic printing press shall operate a control device to reduce VOC emissions from the press dryer exhaust vent by at least 90% by weight or maintain a maximum dryer exhaust outlet VOC concentration of 20 ppmv or less, whichever is less stringent when the press is in operation. The dryer air pressure must be lower than the pressroom air pressure at all times when the press is operating to ensure the dryer has a capture efficiency of 100%.

### **Houston/Galveston/Brazoria, Dallas/Fort Worth Areas (VOC minor sources)**

- [§115.442\(c\)\(2\)\(A\)](#) Sheet-fed offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (non-refrigerated) to 5.0% or less by weight.
- [§115.442\(c\)\(2\)\(B\)](#) Sheet-fed offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (refrigerated < 60 °F) to 8.5% or less by weight.
- [§115.442\(c\)\(2\)\(C\)](#) Sheet-fed offset lithographic printing presses shall limit the concentration of VOCs in the fountain solution is 5.0 % or less by weight and no alcohol in the fountain solution.
- [§115.442\(c\)\(3\)](#) Heatset web offset lithographic printing presses shall limit the concentration of VOCs in the fountain solution to 5.0 % or less by weight and no alcohol in the fountain solution.
- [§115.442\(c\)\(4\)\(A\)](#) Heatset web offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (non-refrigerated) to 1.6% or less by weight.
- [§115.442\(c\)\(4\)\(B\)](#) Heatset web offset lithographic printing presses that use alcohol in the fountain solution shall limit total fountain solution alcohol (refrigerated < 60 °F) to 3.0% or less by weight.
- [§115.442\(c\)\(4\)\(C\)](#) Heatset web offset lithographic printing presses shall limit the concentration of VOCs in the fountain solution is 5.0 % or less by weight and no alcohol in the fountain solution.

### **Alternate Control Requirement**

- [§115.443](#) Alternate control requirements for offset lithographic printing.

These relationship entry screens and flowcharts are for use by sources subject to the Texas Federal Operating Permits Program only and are subject to revision.

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