Start

Is the operation a flexographic or rotogravure printing process located in Beaumont-Port Arthur, Dallas-Fort Worth, El Paso, Houston-Galveston-Brazoria areas or in Gregg, Nueces, or Victoria Counties?

§115.430(a)

No

§115.430(a)

Yes

Is the operation in the Beaumont/Port Arthur, Dallas/Fort Worth, El Paso areas?

§115.430(a)

No

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Do all the rotogravure and flexographic lines in the Beaumont/Port Arthur, Dallas/Fort Worth or El Paso areas have when uncontrolled a potential to emit VOC emissions of < 50 tpy?

§115.431(a)(1)

Yes

Comply with the following:
Standard §115.431(a)(1)
[§115.432(a)(2), §115.432(a)(2), §115.432(c)(2)]

End

No

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Is the operation in the Houston-Galveston-Brazoria area?

§115.430(a)

No

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Do all the rotogravure and flexographic lines in the Houston/Galveston Brazoria area have when uncontrolled a potential to emit VOC emissions of < 25 tpy?

§115.431(a)(2)

No

Yes

Comply with the following:
Standard §115.431(a)(2)
[§115.432(a)(2), §115.432(c)(2)]

End
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1. Beginning 03/01/2013 was the operation flexible package printing line located in the D-FW OR HGB area?

   - No
     - §115.431(a)(3), §115.431(a)(4)

   - Yes
     - §115.431(a)(3)

2. Does the operation have a combined weight of total actual VOC emissions less than 3.0 tons per year from all coatings from all flexible package printing lines?

   - No
     - §115.431(a)(4)

   - Yes
     - Comply with the following: Standard §115.431(a)(4) [G]§115.432(c)(2)

End
Does the facility have alternate control requirements?

Yes

§115.433

No

Comply with the following:
Standard
§115.433
§115.910
Monitoring/Testing
§115.436(a)(2)
Recordkeeping
§115.436(a)(2), (c)(3)

End

Comply with the following:
Standard
§115.432(c)(1)(A)
§115.432(c), (c)(1), [G](d)
Monitoring/Testing
§115.435(a)(1)-(8), (c)
§115.435(c)
§115.436(c), (c)(1)
Recordkeeping
§115.436(c), (c)(1)-(2)
§115.436(c)(5)-(6)
Reporting
§115.436(c)(6)

Is the operation limiting the VOC emissions from the coatings to 0.80 pound of VOC per pound of solids applied?

Yes

§115.432(c)(1)(A)

No

Comply with the following:
Standard
§115.432(c)(1)(A)
§115.432(c), (c)(1), [G](d)
Monitoring/Testing
§115.435(a)(1)-(8), (c)
§115.435(c)
§115.436(c), (c)(1)
Recordkeeping
§115.436(c), (c)(1)-(2)
§115.436(c)(5)-(6)
Reporting
§115.436(c)(6)

Is the operation limiting the VOC emissions from the coatings to 0.80 pound of VOC per pound by using combination of coatings and the operation of a vapor control system?

Yes

§115.432(c)(1)(A)

No

Comply with the following:
Standard
§115.432(c)(1)(A)
§115.432(c), (c)(1), [G](d)
Monitoring/Testing
§115.435(a)(1)-(8), (c)
§115.435(c)
§115.436(c), (c)(1)
Recordkeeping
§115.436(c), (c)(1)-(2)
§115.436(c)(5)-(6)
Reporting
§115.436(c)(6)
The flexible package printing line operation must have a vapor control system that achieves an overall control efficiency of at 80% by weight.

Is the operation limiting the VOC emissions from the coatings to 0.16 pound of VOC per pound of coating applied?

- Yes: Comply with the following:
  - Standard §115.432(c)(1)(B)
  - §115.432(c), (c)(1), [G](d)
  - Monitoring/Testing §115.435(a)(1)-(7)
    §115.435(c)
    §115.436(c), (c)(1)
  - Recordkeeping §115.436(c), (c)(1)-(2)
    §115.436(c)(5)-(6)

- No

Is the operation limiting the VOC emissions from the coatings to 0.16 pound of VOC per pound by using combination of coatings and the operation of a vapor control system?

- Yes: Comply with the following:
  - Standard §115.432(c)(1)(B)
  - §115.432(c), (c)(1), (c)(3), [G](d)
  - Monitoring/Testing §115.435(a)(1)-(8), (c)
    §115.436(c), (c)(1)
  - Recordkeeping §115.436(c), (c)(1)-(2)
    §115.436(c)(5)-(6)
  - Reporting §115.436(c)(6)

- No

The flexible package printing line operation must have a vapor control system that achieves an overall control efficiency of at 80% by weight.

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Comply with the following:

§115.435(a)(8)(A)(i)
Recordkeeping
§115.436(c)(7)
Reporting
§115.436(c)(7)

Comply with the following:

Monitoring/Testing
§115.435(a)(8)(A)(i)
Recordkeeping
§115.436(c)(7)

Comply with the following:

Monitoring/Testing
§115.435(a)(8)(A)(ii)
Recordkeeping
§115.436(c)(4), (c)(4)(B)-(D)

Comply with the following:

Monitoring/Testing
[G]§115.435(a)(8)(B), (a)(8)(C)
§115.436(c)(4), (c)(4)(A)
§115.436(c)(4)(D)
Recordkeeping
§115.435(a)(8)(C)
§115.436(c)(4), (c)(4)(A)
§115.436(c)(4)(D)
Does the facility have alternate control requirements?

Yes:

§115.433

No:

Is the operation applying low solvent ink with a volatile fraction containing 25% by volume or less of VOC solvent and 75% by volume or more of water?

Yes:

§115.432(a)(1)(A)

No:

Is the operation applying high solids solvent-borne ink with containing 60% by volume or more of nonvolatile material?

Yes:

§115.432(a)(1)(B)

No:

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Comply with the following:

Standard

§115.433

§115.910

Monitoring/Testing

§115.436(a)(2)

Recordkeeping

§115.436(a)(2), (c)(3)

Comply with the following:

Standard

§115.432(a)(1)(A)

§115.432(a), (a)(1)

Monitoring/Testing

§115.435(a)(1)-(7), (c)

Recordkeeping

§115.436(a)(1)

§115.436(a)(4)-(5)

Comply with the following:

Standard

§115.432(a)(1)(B)

§115.432(a), (a)(1)

Monitoring/Testing

§115.435(a)(1)-(7), (c)

Recordkeeping

§115.436(a)(1)

§115.436(a)(4)-(5)

End

End

Is the operation applying low solvent ink with a volatile fraction containing 25% by volume or less of VOC solvent and 75% by volume or more of water?

Comply with the following:

Standard

§115.432(a)(1)(A)

§115.432(a), (a)(1)

Monitoring/Testing

§115.435(a)(1)-(7), (c)

Recordkeeping

§115.436(a)(1)

§115.436(a)(4)-(5)
The operation must have a vapor control system to reduce the VOC emissions from an effective capture system by at least 90% by weight.

Comply with the following:

- **Standard §115.432(a)(1)(C)**
- **§115.432(a), (a)(1), (a)(3)**
- **Monitoring/Testing §115.432(a)(3)**
- **§115.435(a)(1)-(8), (c)**
- **Recordkeeping §115.436(a)(1), (a)(4)-(6), (c)(5)**
- **Reporting §115.436(a)(6)**

Is the operation a publication rotogravure process?  

- **Yes**  
  - **§115.432(a)(1)(C)(i)**  

Comply with the following:  

- **Standard §115.432(a)(1)(C)(i)**

Is the operation a packaging rotogravure process?  

- **Yes**  
  - **§115.432(a)(1)(C)(ii)**

Comply with the following:  

- **Standard §115.432(a)(1)(C)(ii)**

Is the operation a flexographic printing process?  

- **Yes**  
  - **§115.432(a)(1)(C)(iii)**

Comply with the following:  

- **Standard §115.432(a)(1)(C)(iii)**

- **[G]§115.432(d)**

- **No**  
  - **§115.432(a)(1)(C)(iii)**
Comply with the following:
Monitoring/Testing
§115.435(a)(8)(A)(i)

Yes

Has the owner or operator of the source installed a permanent total enclosure (PTE) that meets the specifications of Procedure T?

§115.435(a)(8)(A)(i)

No

Does the source use a control device designed to collect and recover VOC (e.g., carbon adsorption system)?

§115.435(a)(8)(A)(ii)

No

Comply with the following:
Monitoring/Testing
[G]§115.435(a)(8)(B), (a)(8)(C)
§115.436(a)(3), (a)(3)(A)
§115.436(a)(3)(D)
Recordkeeping
§115.435(a)(8)(C)
§115.436(a)(3), (a)(3)(A)
§115.436(a)(3)(D)

Yes

Comply with the following:
Monitoring/Testing
§115.435(a)(8)(A)(ii)
§115.436(a)(3), (a)(3)(B)-(D)
Recordkeeping
§115.436(a)(3), (a)(3)(B)-(D)

End
The operations in Gregg, Nueces, and Victoria Counties must have a vapor control system that reduces VOC emissions from an effective capture system by at least 90% by weight.

Comply with the following:
- Standard §115.432(b)(3)
- §115.432(b)
- Monitoring/Testing §115.435(a)(8)
- [G]§115.435(b), (c)
- Recordkeeping §115.436(b)(1)
- §115.436(b)(4)-(5)

Is the operation a publication rotogravure process?

- Yes
  - Comply with the following:
    - Standard §115.432(b)(3)(A)

- No
  - §115.432(b)(3)(A)

Is the operation a packaging rotogravure process?

- Yes
  - Comply with the following:
    - Standard §115.432(b)(3)(B)

- No
  - §115.432(b)(3)(B)

Is the operation a flexographic printing process?

- Yes
  - Comply with the following:
    - Standard §115.432(b)(3)(C)

- No
  - §115.432(b)(3)(C)

Comply with the following:
- Standard §115.432(b)(3)(D)
- [G]§115.432(d)