

**Environmental Protection Agency**

**§ 420.122**

periods of normal production in establishing the case-by-case BPT and BAT limitations. The BPT and BAT limitations specified in 40 CFR 420.122 and 420.123 may be used as the basis for calculating total mass limitations for zinc pursuant to 40 CFR 420.03.

[47 FR 23284, May 27, 1982, as amended at 49 FR 21036, May 17, 1984]

**§ 420.121 Specialized definitions.**

(a) The term *galvanizing* means coating steel products with zinc by the hot dip process including the immersion of the steel product in a molten bath of zinc metal, and the related operations preceding and subsequent to the immersion phase.

(b) The term *terne coating* means coating steel products with terne metal by the hot dip process including the immersion of the steel product in a molten bath of lead and tin metals, and the related operations preceding and subsequent to the immersion phase.

(c) The term *other coatings* means coating steel products with metals other than zinc or terne metal by the hot dip process including the immersion of the steel product in a molten bath of metal, and the related operations preceding the subsequent to the immersion phase.

(d) The term *fume scrubber* means wet air pollution control devices used to remove and clean fumes originating from hot coating operations.

(e) The term *strip, sheet, and miscellaneous products* means steel products other than wire products and fasteners.

(f) The term *wire products and fasteners* means steel wire, products manufactured from steel wire, and steel fasteners manufactured from steel wire or other steel shapes.

**§ 420.122 Effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT).**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the appli-

cation of the best practicable control technology currently available.

(a) *Galvanizing, terne coating, and other coatings—(1) Strip, sheet, and miscellaneous products.*

**SUBPART L**

| Pollutant or pollutant property          | BPT effluent limitations               |   |
|--|--|---|
|  | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|  | Kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                                | 0.175                                  | 0.0751  |
| O&G .....                                | 0.0751                                 | 0.0250  |
| Lead .....                               | 0.00113                                | 0.000376  |
| Zinc .....                               | 0.00150                                | 0.000500  |
| Chromium (hexavalent) <sup>1</sup> ..... | 0.000150                               | 0.0000501                                       |
| pH .....                                 | ( <sup>2</sup> )                       | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for hexavalent chromium shall apply only to galvanizing operations which discharge wastewaters from the chromate rinse step.

<sup>2</sup>Within the range of 6.0 to 9.0.

(2) [Reserved]

(b) *Galvanizing and other coatings—(1) Wire products and fasteners.*

**SUBPART L**

| Pollutant or pollutant property          | BPT effluent limitations               |   |
|--|--|---|
|  | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|  | Kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                                | 0.701                                  | 0.300   |
| O&G .....                                | 0.300                                  | 0.100   |
| Lead .....                               | 0.00451                                | 0.00150   |
| Zinc .....                               | 0.00601                                | 0.00200   |
| Chromium (hexavalent) <sup>1</sup> ..... | 0.000600                               | 0.000200  |
| pH .....                                 | ( <sup>2</sup> )                       | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for hexavalent chromium shall be applicable only to galvanizing operations which discharge wastewaters from the chromate rinse step.

<sup>2</sup>Within the range of 6.0 to 9.0.

(2) [Reserved]

(c) *Fume scrubbers.*

**SUBPART L**

| Pollutant or pollutant property | BPT effluent limitations |   |
|---------------------------------|--------------------------|---|
|                                 | Maximum for any 1 day    | Average of daily values for 30 consecutive days |
|                                 | Kg per day               |   |
| TSS .....                       | 38.1                     | 16.3  |
| O&G .....                       | 16.3                     | 5.45  |
| Lead .....                      | 0.245                    | 0.0819  |
| Zinc .....                      | 0.327                    | 0.109   |

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SUBPART L—Continued

| Pollutant or pollutant property          | BPT effluent limitations |   |
|--|--------------------------|---|
|  | Maximum for any 1 day    | Average of daily values for 30 consecutive days |
| Chromium (hexavalent) <sup>1</sup> ..... | 0.0327                   | 0.0109  |
| pH .....                                 | ( <sup>2</sup> )         | ( <sup>2</sup> )                                |

<sup>1</sup> The limitations for hexavalent chromium shall be applicable only to galvanizing operations which discharge wastewaters from the chromate rinse step.  
<sup>2</sup> Within the range of 6.0 to 9.0.

The above limitations shall be applicable to each fume scrubber associated with any of the coating operations specified above.

[47 FR 23284, May 27, 1982; 47 FR 41739, Sept. 22, 1982, as amended at 49 FR 21036, May 17, 1984]

**§ 420.123 Effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable (BAT).**

Except as provided in 40 CFR 125.30 through 125.32, any existing point source subject to this subpart must achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best available technology economically achievable.

(a) *Galvanizing, terne coating and other coatings—(1) Strip, sheet, and miscellaneous products scrubbers.*

SUBPART L

| Pollutant or pollutant property          | BAT effluent limitations               |   |
|--|--|---|
|  | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|  | Kg/kg (pounds per 1,000 lb) of product |   |
| Lead .....                               | 0.00113                                | 0.000376  |
| Zinc .....                               | 0.00150                                | 0.000500  |
| Chromium (hexavalent) <sup>1</sup> ..... | 0.000150                               | 0.0000501                                       |

<sup>1</sup> The limitations for hexavalent chromium shall be applicable only to galvanizing operations which discharge wastewater from the chromate rinse step.

(2) [Reserved]

(b) *Galvanizing and other coatings—(1) Wire products and fasteners.*

SUBPART L

| Pollutant or pollutant property          | BAT effluent limitations               |   |
|--|--|---|
|  | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|  | Kg/kg (pounds per 1,000 lb) of product |   |
| Lead .....                               | 0.00451                                | 0.00150   |
| Zinc .....                               | 0.00601                                | 0.00200   |
| Chromium (hexavalent) <sup>1</sup> ..... | 0.000601                               | 0.000200  |

<sup>1</sup> The limitations for hexavalent chromium shall be applicable only to galvanizing operations which discharge wastewaters from the chromate rinse step.

(2) [Reserved]

(c) *Fume scrubbers.*

SUBPART L

| Pollutant or pollutant property          | BAT effluent limitations |   |
|--|--------------------------|---|
|  | Maximum for any 1 day    | Average of daily values for 30 consecutive days |
|  | Kg per day               |   |
| Lead .....                               | 0.0368                   | 0.0123  |
| Zinc .....                               | 0.0491                   | 0.0164  |
| Chromium (hexavalent) <sup>1</sup> ..... | 0.00490                  | 0.00163   |

<sup>1</sup> The limitations for hexavalent chromium shall be applicable only to galvanizing operations which discharge wastewaters from the chromate rinse step.

The above limitations shall be applicable to each fume scrubber associated with any of the coating operations specified above.

[47 FR 23284, May 27, 1982, as amended at 49 FR 21036, May 17, 1984]

**§ 420.124 New source performance standards (NSPS).**

The discharge of wastewater pollutants from any new source subject to this subpart shall not exceed the standards set forth below.

(a) *Galvanizing, terne coating and other coatings—(1) Strip, sheet, and miscellaneous products.*

SUBPART L

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0438                                 | 0.0188  |
| O&G .....                       | 0.0188                                 | 0.00626   |