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§ 451.22 Effluent limitations 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 application of BAT: The limitations are the same as the limitations specified in § 451.21.

§ 451.23 Effluent limitations attainable by the application of the best conventional technology (BCT).

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 application of BCT: The limitations are the same as the limitations specified in § 451.21.


Any point source subject to this subpart that is a new source must meet the following requirements: The standard is the same as the limitations specified in § 451.21.

PART 454—GUM AND WOOD CHEMICALS MANUFACTURING POINT SOURCE CATEGORY

Subpart A—Char and Charcoal Briquets Subcategory

Sec.
454.10 Applicability; description of the manufacture of char and charcoal briquets subcategory.
454.11 Specialized definitions.
454.12 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Subpart B—Gum Rosin and Turpentine Subcategory

454.20 Applicability; description of the manufacture of gum rosin and turpentine subcategory.
454.21 Specialized definitions.
454.22 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.
Subpart C—Wood Rosin, Turpentine and Pine Oil Subcategory

454.30 Applicability; description of the manufacture of wood rosin, turpentine and pine oil subcategory.
454.31 Specialized definitions.
454.32 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Subpart D—Tall Oil Rosin, Pitch and Fatty Acids Subcategory

454.40 Applicability; description of the manufacture of tall oil rosin, pitch and fatty acids subcategory.
454.41 Specialized definitions.
454.42 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Subpart E—Essential Oils Subcategory

454.50 Applicability; description of the essential oils subcategory.
454.51 Specialized definitions.
454.52 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Subpart F—Rosin-Based Derivatives Subcategory

454.60 Applicability; description of manufacture of rosin-based derivatives subcategory.
454.61 Specialized definitions.
454.62 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Authority: Secs. 301, 304(b) and (c), 306(b), 307(b) and (c), Federal Water Pollution Control Act, as amended (33 U.S.C. 1251, 1311, 1314(b) and (c), 1315(b) and 1317(b) and (c), 86 Stat. 815 et. seq.; Pub. L. 92-500 (the Act).

Source: 41 FR 20511, May 18, 1976, unless otherwise noted.

Subpart B—Gum Rosin and Turpentine Subcategory

454.20 Applicability; description of the manufacture of gum rosin and turpentine subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of char and charcoal briquets.

454.11 Specialized definitions.

For the purpose of this subpart:
(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in part 401 of this chapter shall apply to this subpart.
(b) The term “product” shall mean char and charcoal briquets.

454.12 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):
(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this paragraph, which may be discharged from the manufacture of char and charcoal briquets by a point source subject to the provisions of this paragraph after application of the best practicable control technology currently available: There shall be no discharge of process wastewater pollutants to navigable waters.


Subpart A—Char and Charcoal Briquets Subcategory

454.10 Applicability; description of the manufacture of char and charcoal briquets subcategory.

The provisions of this subpart are applicable to discharges resulting from the production of char and charcoal briquets.
§ 454.22 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this paragraph, which may be discharged from the manufacture of gum rosin and turpentine by a point source subject to the provisions of this paragraph after application of the best practicable control technology currently available:

<table>
<thead>
<tr>
<th>Effluent characteristic</th>
<th>Effluent limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for any 1 day</td>
</tr>
<tr>
<td>BOD₅</td>
<td>1.42</td>
</tr>
<tr>
<td>TSS</td>
<td>0.077</td>
</tr>
<tr>
<td>pH</td>
<td></td>
</tr>
</tbody>
</table>

Within the range 6.0 to 9.0.

[41 FR 20511, May 18, 1976, as amended at 60 FR 33970, June 29, 1995]

Subpart C—Wood Rosin, Turpentine and Pine Oil Subcategory

§ 454.30 Applicability; description of manufacture of wood rosin, turpentine and pine oil subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of wood rosin, turpentine and pine oil subcategory.

§ 454.31 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “product” shall mean gum rosin and turpentine.

§ 454.32 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this paragraph, which may be discharged from the manufacture of wood rosin, turpentine and pine oil by a point source subject to the provisions of this paragraph after application of the best practicable control technology currently available:

<table>
<thead>
<tr>
<th>Effluent characteristic</th>
<th>Effluent limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for any 1 day</td>
</tr>
<tr>
<td>BOD₅</td>
<td>2.08</td>
</tr>
<tr>
<td>TSS</td>
<td>1.38</td>
</tr>
<tr>
<td>pH</td>
<td></td>
</tr>
</tbody>
</table>

Within the range 6.0 to 9.0.

[41 FR 20511, May 18, 1976, as amended at 60 FR 33970, June 29, 1995]

Subpart D—Tall Oil Rosin, Pitch and Fatty Acids Subcategory

§ 454.40 Applicability; description of manufacture of tall oil rosin, pitch and fatty acids subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of tall oil rosin, pitch and fatty acids.

§ 454.41 Specialized definitions.

For the purpose of this subpart:
§ 454.42 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this paragraph, which may be discharged from the manufacture of tall oil rosin, pitch and fatty acids by a point source subject to the provisions of this paragraph after application of the best practicable control technology currently available:

<table>
<thead>
<tr>
<th>Effluent characteristic</th>
<th>Effluent limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for any 1 day</td>
</tr>
<tr>
<td>BOD&lt;sub&gt;5&lt;/sub&gt;</td>
<td>0.995</td>
</tr>
<tr>
<td>TSS</td>
<td>0.705</td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
</tr>
</tbody>
</table>

¹ Within the range 6.0 to 9.0.

[41 FR 20511, May 18, 1976, as amended at 60 FR 33971, June 29, 1995]

Subpart E—Essential Oils Subcategory

§ 454.50 Applicability; description of the essential oils subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of essential oils.

§ 454.51 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term “product” shall mean essential oils.

§ 454.52 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this paragraph, which may be discharged from the manufacture of essential oils by a point source subject to the provisions of this paragraph after application of the best practicable control technology currently available:

<table>
<thead>
<tr>
<th>Effluent characteristic</th>
<th>Effluent limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for any 1 day</td>
</tr>
<tr>
<td>BOD&lt;sub&gt;5&lt;/sub&gt;</td>
<td>22.7</td>
</tr>
<tr>
<td>TSS</td>
<td>9.01</td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
</tr>
</tbody>
</table>

¹ Within the range 6.0 to 9.0.

[41 FR 20511, May 18, 1976, as amended at 60 FR 33971, June 29, 1995]

Subpart F—Rosin-Based Derivatives Subcategory

§ 454.60 Applicability; description of manufacture of rosin-based derivatives subcategory.

The provisions of this subpart are applicable to discharges resulting from the manufacture of rosin-based derivatives.

§ 454.61 Specialized definitions.

For the purpose of this subpart:

(a) Except as provided below, the general definitions, abbreviations and
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methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.

(b) The term "product" shall mean rosin-based derivatives.

§ 454.62 Effluent limitations and guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.

Except as provided in §§125.30 through 125.32, any existing point source subject to this subpart shall achieve the following effluent limitations representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available (BPT):

(a) The following limitations establish the quantity or quality of pollutants or pollutant properties, controlled by this paragraph, which may be discharged from the manufacture of rosin-based derivatives by a point source subject to the provisions of this paragraph after application of the best practicable control technology currently available:

<table>
<thead>
<tr>
<th>Effluent characteristic</th>
<th>Effluent limitations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum for any 1 day</td>
</tr>
<tr>
<td>BOD₅</td>
<td>1.41</td>
</tr>
<tr>
<td>TSS</td>
<td>0.045</td>
</tr>
<tr>
<td>pH</td>
<td>(1)</td>
</tr>
</tbody>
</table>

1 Within the range 6.0 to 9.0.

[41 FR 20511, May 18, 1976, as amended at 60 FR 33971, June 29, 1995]

PART 455—PESTICIDE CHEMICALS

Sec. 455.10 General definitions.

Subpart A—Organic Pesticide Chemicals Manufacturing Subcategory

455.11 Compliance date for pretreatment standards for existing sources (PSES).
455.20 Applicability; description of the organic pesticide chemicals manufacturing subcategory.
455.21 Specialized definitions.
455.22 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.
455.23 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT).
455.24 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available control technology economically achievable (BAT).
455.25 New source performance standards (NSPS).
455.26 Pretreatment standards for existing sources (PSES).
455.27 Pretreatment standards for new sources (PSNS).

Subpart B—Metallo-Organic Pesticide Chemicals Manufacturing Subcategory

455.30 Applicability; description of the metallo-organic pesticide chemicals manufacturing subcategory.
455.31 Specialized definitions.
455.32 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available.
455.33 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT). [Reserved]
455.34 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best available control technology economically achievable (BAT). [Reserved]
455.35 New source performance standards (NSPS). [Reserved]
455.36 Pretreatment standards for existing sources (PSES). [Reserved]
455.37 Pretreatment standards for new sources (PSNS). [Reserved]

Subpart C—Pesticide Chemicals Formulating and Packaging Subcategory

455.40 Applicability; description of the pesticide formulating, packaging and repackaging subcategory.
455.41 Special definitions.
455.42 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best practicable control technology currently available, (BPT).
455.43 Effluent limitations guidelines representing the degree of effluent reduction attainable by the application of the best conventional pollutant control technology (BCT).
455.44 Effluent limitations guidelines representing the degree of effluent reduction