12. Amend §51.122 by:
   a. Revising paragraph (c);
   b. Removing and reserving paragraph (d); and
   c. Revising paragraph (f).

The revisions read as follows:

§ 51.122 Emissions reporting requirements for SIP revisions relating to budgets for NOX emissions.

(a) Each revision must provide for periodic reporting by the state of NOX emissions data to demonstrate whether the state’s emissions are consistent with the projections contained in its approved SIP submission. The data availability requirements in §51.116 must be followed for all data submitted to meet the requirements of paragraph (c) of this section.

(b) Revising paragraph (c).

(f) Reporting schedules. Data collection is to begin during the ozone season 1 year prior to the state’s NOX SIP Call compliance date.

[FR Doc. 2013–14628 Filed 6–19–13; 8:45 am]

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 52


Revisions to the California State Implementation Plan, San Diego Air Pollution Control District

AGENCY: Environmental Protection Agency (EPA).

ACTION: Proposed rule.

SUMMARY: EPA is proposing to approve a revision to the San Diego Air Pollution Control District (SDAPCD) portion of the California State Implementation Plan (SIP). This revision concerns volatile organic compound (VOC) emissions from architectural coatings. We are proposing to approve a local rule to regulate these emission sources under the Clean Air Act (CAA or the Act).

DATES: Any comments on this proposal must arrive by July 22, 2013.

ADDRESSES: Submit comments, identified by docket number EPA–R09–OAR–2013–0362, by one of the following methods:

2. Email: steckel.andrew@epa.gov.
3. Mail or deliver: Andrew Steckel (Air-4), U.S. Environmental Protection Agency Region IX, 75 Hawthorne Street, San Francisco, CA 94105–3901.

Instructions: All comments must arrive by July 22, 2013.

FOR FURTHER INFORMATION CONTACT: Nicole Law, EPA Region IX, (415) 947–4126, law.nicole@epa.gov.

SUPPLEMENTARY INFORMATION: This proposal addresses the following local rule: San Diego APCD Rule 67.0 Architectural Coatings. In the Rules and Regulations section of this Federal Register, we are approving this local rule in a direct final action without prior proposal because we believe this SIP revision is not controversial. If we receive adverse comments, however, we will publish a timely withdrawal of the direct final rule and address the comments in subsequent action based on this proposed rule. Please note that if we receive adverse comment on an amendment, paragraph, or section of this rule and if that provision may be severed from the remainder of the rule, we may adopt as final those provisions of the rule that are not the subject of an adverse comment.

We do not plan to open a second comment period, so anyone interested in commenting should do so at this time. If we do not receive adverse comments, no further activity is planned. For further information, please see the direct final action.

Dated: May 6, 2013.

Jared Blumenfeld, Regional Administrator, Region IX.

[FR Doc. 2013–14514 Filed 6–19–13; 8:45 am]

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 372


RIN 2025–AA34

Addition of Nonylphenol Category; Community Right-to-Know Toxic Chemical Release Reporting

AGENCY: Environmental Protection Agency (EPA).

ACTION: Proposed rule.

SUMMARY: EPA is proposing to add a nonylphenol category to the list of toxic chemicals subject to reporting under section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and section 6007 of the Pollution Prevention Act (PPA) of 1990. EPA is proposing to add this chemical category to the EPCRA section 313 list pursuant to its authority to add chemicals and chemical categories because EPA believes this category meets the EPCRA section 313(d)(2)(C)

### Table 2B to Appendix A of Subpart A—Data Elements for Reporting Emissions From Point, Nonpoint, Onroad Mobile and Nonroad Mobile Sources, Where Required by 40 CFR 51.30—Continued

<table>
<thead>
<tr>
<th>Data elements</th>
<th>Point</th>
<th>Nonpoint</th>
<th>Onroad</th>
<th>Nonroad</th>
</tr>
</thead>
<tbody>
<tr>
<td>(18) Percent Control Approach Penetration (where applicable)</td>
<td>...........</td>
<td>Y</td>
<td>...........</td>
<td>...........</td>
</tr>
</tbody>
</table>
toxicity criterion. Based on a review of the available production and use information, the members of the nonylphenol category are expected to be manufactured, processed, or otherwise used in quantities that would exceed the EPCRA section 313 reporting thresholds.

DATES: Comments must be received on or before August 19, 2013.

ADDRESSES: Submit your comments, identified by Docket ID No. EPA–HQ–TRI–2012–0110, by one of the following methods:

- www.regulations.gov: Follow the on-line instructions for submitting comments.
- Email: oei.docket@epa.gov.
- Hand Delivery: EPA Docket Center (EPA/DC), EPA West, Room 3334, 1301 Constitution Ave. NW., Washington, DC 20460.

SUPPLEMENTARY INFORMATION:

I. General Information

A. Does this notice apply to me?

You may be potentially affected by this action if you manufacture, process, or otherwise use nonylphenol. Potentially affected categories and entities may include, but are not limited to:

<table>
<thead>
<tr>
<th>Category</th>
<th>Examples of potentially affected entities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry</td>
<td>Facilities included in the following NAICS manufacturing codes (corresponding to SIC codes 20 through 39): 311*, 312*, 313*, 314*, 315*, 316, 321, 322, 323*, 324, 325*, 326*, 327, 331, 332, 333, 334*, 335*, 336, 337*, 339*, 111999*, 211112, 212324*, 212325*, 212393*, 212399*, 488390*, 511110, 511120, 511130, 511140*, 511191, 511199, 512220*, 542230*, 554112*, 554169*, Exceptions and/or limitations exist for these NAICS codes. Facilities included in the following NAICS codes (corresponding to SIC codes other than SIC codes 20 through 39): 212111, 212112, 212113 (correspond to SIC 12, Coal Mining (except 1241)); or 212221, 212222, 212231, 212234, 212239, 212299 (correspond to SIC 10, Metal Mining (except 1011, 1081, and 1094)); or 221111, 221112, 221113, 221119, 221121, 221122, 221330 (Limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce) (correspond to SIC 4911, 4931, and 4939, Electric Utilities); or 424690, 425110, 425120 (Limited to facilities previously classified in SIC 5169, Chemicals and Allied Products, Not Elsewhere Classified); or 424710 (corresponds to SIC 5171, Petroleum Refining Plants and Plants); or 562112 (Limited to facilities primarily engaged in solvent recovery services on a contract or fee basis (previously classified under SIC 7389, Business Services, NEC)); or 562211, 562212, 562213, 562219, 562920 (Limited to facilities regulated under the Resource Conservation and Recovery Act, subtitle C, 42 U.S.C. 6921 et seq.) (correspond to SIC 4953, Refuse Systems).</td>
</tr>
<tr>
<td>Federal Government</td>
<td>Federal facilities.</td>
</tr>
</tbody>
</table>

This table is not intended to be exhaustive, but rather provides a guide for readers regarding entities likely to be affected by this action. Some of the entities listed in the table have exemptions and/or limitations regarding coverage, and other types of entities not listed in the table could also be affected. To determine whether your facility would be affected by this action, you should carefully examine the applicability criteria in part 372 subpart B of Title 40 of the Code of Federal Regulations. If you have questions regarding the applicability of this action to a particular entity, consult the person listed in the preceding FOR FURTHER INFORMATION CONTACT section.

B. How should I submit CBI to the Agency?

Do not submit CBI information to EPA through www.regulations.gov or email. Clearly mark the part or all of the
EPCRA section 313(d) states that EPA may add a chemical to the list if any of the listing criteria in Section 313(d)(2) are met. Therefore, to add a chemical, EPA must demonstrate that at least one criterion is met, but need not determine whether any other criterion is met. The EPCRA section 313(d)(2) criteria are:

(A) The chemical is known to cause or can reasonably be anticipated to cause significant adverse acute human health effects at concentration levels that are reasonably likely to exist beyond facility site boundaries as a result of continuous, or frequently recurring, releases.

(B) The chemical is known to cause or can reasonably be anticipated to cause in humans:

(i) Cancer or teratogenic effects, or

(ii) Serious or irreversible—

(I) Reproductive dysfunctions,

(II) Neurological disorders,

(III) Heritable genetic mutations, or

(IV) Other chronic health effects.

(C) The chemical is known to cause or can be reasonably anticipated to cause, because of:

(i) Its toxicity,

(ii) Its toxicity and persistence in the environment, or

(iii) Its toxicity and tendency to bioaccumulate in the environment, a significant adverse effect on the environment of sufficient seriousness, in the judgment of the Administrator, to warrant reporting under this section.

EPA often refers to the section 313(d)(2)(A) criterion as the “acute human health effects criterion;” the section 313(d)(2)(B) criterion as the “chronic human health effects criterion;” and the section 313(d)(2)(C) criterion as the “environmental effects criterion.”

EPA published in the Federal Register of November 30, 1994 (59 FR 61432) a statement clarifying its interpretation of the section 313(d)(2) and (d)(3) criteria for modifying the section 313 list of toxic chemicals.

III. Background Information

A. What is nonylphenol?

Nonylphenol is an organic chemical whose main use is in the manufacture of nonylphenol ethoxylates, which are nonionic surfactants used in a wide variety of industrial applications and consumer products (Reference (Ref.) 1). Nonylphenol is persistent in the aquatic environment, moderately bioaccumulative, and extremely toxic to aquatic organisms (Ref. 1). Nonylphenol has also been detected in human breast milk, blood, and urine (Ref. 1).

B. What is the chemical structure and identification of nonylphenol?

The chemical structure of nonylphenol consists of a phenol ring (benzene with a hydroxyl (OH) group) with a nonyl group (a nine carbon alkyl chain) attached to the phenol ring. The nonyl group can either be a branched or linear chain located at various positions on the phenol ring (primarily the ortho (2) and para (4) positions). Nonylphenol is not a single chemical structure. Rather it is a complex mixture of highly branched nonylphenols, mostly monosubstituted in the para position (i.e., the 4 position), with small amounts of ortho- and di-substituted nonylphenols. In addition, nonylphenol can include small amounts of branched 8 carbon and 10 carbon alkyl groups (Ref. 2).

As noted in EPA’s Action Plan for nonylphenol (Ref. 1), Chemical Abstract Service Registry Numbers (CASRNs) that are routinely used for nonylphenols may not accurately reflect the identity of those substances. Manufacturers may incorrectly use a linear identity when actually referring to branched nonylphenol. CASRN 84852–15–3 corresponds to the most widely produced nonylphenol, branched 4-nonylphenol. Much of the literature refers to the linear (or normal) nonylphenol (CASRN 25154–52–3) and there are also references to a specific linear para isomer 4-n-nonylphenol (CASRN 104–40–5), which is covered within the broader CASRN 25154–52–3. Many, but not all, references may be inaccurate about the identity of the substances listed as nonylphenol due to inaccurate identities in the source material. A supplier of nonylphenol may use CASRN 104–40–5, signifying the linear 4-n-nonylphenol, while actually supplying branched 4-nonylphenol (CASRN 84852–15–3). The name 4-nonylphenol is listed as a synonym under CASRN 104–40–5, which may lead to such confusion.

C. How is EPA proposing to list nonylphenol on the TRI?

Because there is no one CASRN that adequately captures what is referred to as nonylphenol and because of the apparent confusion that has resulted from the use of multiple CASRNs, EPA is proposing to add nonylphenol as a category defined by a structure. EPA is proposing to define the nonylphenol category using the structure and text presented below.
This category definition covers the chemicals that are included in CASRNs 84852–15–3 as well as those 4 position isomers covered by CASRN 25154–52–3. Any nonylphenol that meets the above category definition would be reportable regardless of its assigned CASRN.

IV. What Is EPA’s evaluation of the environmental toxicity of nonylphenol?

Nonylphenol is toxic to aquatic organisms and has been found in ambient waters. Because of nonylphenol’s toxicity, chemical properties, and widespread use as a chemical intermediate, concerns have been raised over the potential risks to aquatic organisms from exposure to nonylphenol. All of the hazard information presented here has been adapted from EPA’s 2005 Water Quality Criteria document for nonylphenol, which was previously peer reviewed (Ref. 3).

A. Acute Toxicity to Aquatic Animals

1. Freshwater Species. The acute toxicity values of nonylphenol to freshwater organisms are shown in Table 1. Acute toxicities have been determined for more than 18 species representing over 15 genera. Toxicity values ranged from 21 micrograms per liter (µg/L) for a detritivorous amphipod (Hyalella azteca) to 774 µg/L for an algal grazing snail (Physella virgata) (Ref. 4). No relationships were found between nonylphenol toxicity and water hardness or pH.

An amphipod (Hyalella azteca) was the most sensitive species tested with LC50 values (i.e., the concentration that is lethal to 50% of test organisms) ranging from 21 to 150 µg/L (Refs. 4 and 5). Reported EC50 values (i.e., the concentration that is effective in producing a sublethal response in 50% of test organisms) for the water flea (Daphnia magna) ranged from 104 to 190 µg/L in renewal and static tests respectively (Refs. 4 and 6). The overall mean acute value for Daphnia magna was 141 µg/L.

Species least sensitive to nonylphenol were also invertebrates. An annelid worm (Lumbriculus variegatus) had an LC50 of 342 µg/L, while the acute endpoint for a dragonfly nymph (Ophiogomphus sp.) was an LC50 of 596 µg/L (Ref. 4). The least sensitive species tested was a snail (Physella virgata) with an LC50 of 774 µg/L. Eleven species of fish were tested and found to be in the middle range of sensitivity to nonylphenol with acute values ranging from 110 to 360 µg/L.

### TABLE 1—ACUTE TOXICITY OF NONYLPHENOL TO FRESHWATER ORGANISMS

<table>
<thead>
<tr>
<th>Species</th>
<th>Common name</th>
<th>Method*</th>
<th>pH</th>
<th>LC50 or EC50 (µg/L)</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyalella azteca (juvenile, 2 mm total length)</td>
<td>Amphipod</td>
<td>F, M</td>
<td>7.80</td>
<td>21</td>
<td>Ref. 4.</td>
</tr>
<tr>
<td>Daphnia magna (&lt; 24 hr old)</td>
<td>Water Flea</td>
<td>F, M</td>
<td>7.87</td>
<td>104</td>
<td>Ref. 4.</td>
</tr>
<tr>
<td>Etheostoma rubrum (0.052g, 20.2 mm)</td>
<td>Fountain Darter</td>
<td>S, U</td>
<td>8.0–8.1</td>
<td>110</td>
<td>Ref. 7.</td>
</tr>
<tr>
<td>Bufo boreas (0.012g, 9.6 mm)</td>
<td>Boreal Toad</td>
<td>S, U</td>
<td>7.9–8.0</td>
<td>120</td>
<td>Ref. 7.</td>
</tr>
<tr>
<td>Pimephales promelas (25–35 days old)</td>
<td>Fathead Minnow</td>
<td>F, M</td>
<td>7.23</td>
<td>128</td>
<td>Ref. 8.</td>
</tr>
<tr>
<td>Oncorhynchus mykiss (0.27 ± 0.07g)</td>
<td>Rainbow Trout</td>
<td>S, U</td>
<td>7.9</td>
<td>140</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Oncorhynchus clarki henshawi (0.34 ± 0.08g)</td>
<td>Lahontan Cutthroat Trout</td>
<td>S, U</td>
<td>7.9</td>
<td>140</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Pimephales promelas (32 days old)</td>
<td>Fathead Minnow</td>
<td>F, M</td>
<td>7.29</td>
<td>140</td>
<td>Refs. 10 and 11.</td>
</tr>
<tr>
<td>Hyalella azteca (juvenile, 2–3 mm total length)</td>
<td>Amphipod</td>
<td>F, M</td>
<td>7.9–8.7</td>
<td>150</td>
<td>Ref. 5.</td>
</tr>
<tr>
<td>Oncorhynchus clarki stomais (0.31 ± 0.17g)</td>
<td>Greenback Cutthroat Trout</td>
<td>S, U</td>
<td>7.5–7.6</td>
<td>150</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Chironomus tentans (2nd instar)</td>
<td>Midge</td>
<td>F, M</td>
<td>8.0–8.4</td>
<td>160</td>
<td>Ref. 12.</td>
</tr>
<tr>
<td>Oncorhynchus mykiss (0.48 ± 0.08g)</td>
<td>Rainbow Trout</td>
<td>S, U</td>
<td>7.5–7.9</td>
<td>160</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Oncorhynchus apache (0.38 ± 0.18g)</td>
<td>Apache Trout</td>
<td>S, U</td>
<td>7.3–7.7</td>
<td>160</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Xyrauchen texanus (0.31 ± 0.04g)</td>
<td>Razorback Sucker</td>
<td>S, U</td>
<td>7.8–8.1</td>
<td>160</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Pimephales promelas (0.34 ± 0.24g)</td>
<td>Fathead Minnow</td>
<td>S, U</td>
<td>7.5–7.6</td>
<td>170</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Oncorhynchus mykiss (0.50 ± 0.21g)</td>
<td>Rainbow Trout</td>
<td>S, U</td>
<td>6.5–7.9</td>
<td>180</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Oncorhynchus apache (0.85 ± 0.49g)</td>
<td>Apache Trout</td>
<td>S, U</td>
<td>7.8–7.9</td>
<td>180</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Daphnia magna (&lt; 24 hr old)</td>
<td>Water Flea</td>
<td>S, M</td>
<td>8.25</td>
<td>190</td>
<td>Ref. 6.</td>
</tr>
<tr>
<td>Oncorhynchus mykiss (0.67 ± 0.35g)</td>
<td>Rainbow Trout</td>
<td>S, U</td>
<td>7.8–7.9</td>
<td>190</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Xyrauchen texanus (0.32 ± 0.07g)</td>
<td>Razorback Sucker</td>
<td>S, U</td>
<td>7.9–8.0</td>
<td>190</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Pimephales promelas (0.32 ± 0.16g)</td>
<td>Fathead Minnow</td>
<td>S, U</td>
<td>7.7–8.1</td>
<td>210</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Oncorhynchus clarki henshawi (0.57 ± 0.23g)</td>
<td>Lahontan Cutthroat Trout</td>
<td>S, U</td>
<td>7.6–7.7</td>
<td>220</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Oncorhynchus mykiss (45 days old)</td>
<td>Rainbow Trout</td>
<td>F, M</td>
<td>6.72</td>
<td>221</td>
<td>Ref. 4.</td>
</tr>
<tr>
<td>Poeciliopsis occidentalis (0.22g, 27.2 mm)</td>
<td>Colorado Squawfish</td>
<td>S, U</td>
<td>8.0</td>
<td>230</td>
<td>Ref. 7.</td>
</tr>
<tr>
<td>Pimelia lutus (0.32 ± 0.05g)</td>
<td>Rainbow Trout</td>
<td>S, U</td>
<td>8.1–8.2</td>
<td>240</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Oncorhynchus mykiss (1.25 ± 0.57g)</td>
<td>Rainbow Trout</td>
<td>S, U</td>
<td>7.5–7.7</td>
<td>260</td>
<td>Ref. 9.</td>
</tr>
</tbody>
</table>

Where C₉H₁₉ = Branched or straight alkyl chain
2. Saltwater Species. The acute toxicity values of nonylphenol to saltwater organisms are shown in Table 2. Acute toxicities have been determined for 11 species within 11 genera. Acute toxicity values ranged from 17 μg/L for the water flea (Daphnia magna) to 310 μg/L for the sheepshead minnow (Pimephales promelas) (Ref. 13), to 50 μg/L for the sheepshead minnow (Pimephales promelas) (Ref. 13), the mud crab (Dyspanopeus sayii) with an LC50 of 71 μg/L (Ref. 13), the mud crab (Dyspanopeus sayii) with an LC50 greater than 195 μg/L (Ref. 13), and two amphipods (Leptocheirus plumosus) with an LC50 of 62 μg/L (Ref. 13) and (Ehastaurus estuarius) with an LC50 of 138 μg/L (Ref. 16).

### TABLE 1—ACUTE TOXICITY OF NONYLPHENOL TO FRESHWATER ORGANISMS—Continued

<table>
<thead>
<tr>
<th>Species</th>
<th>Common name</th>
<th>Method a</th>
<th>pH</th>
<th>LC50 or EC50 (μg/L)</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oncorhynchus mykiss (1.09 ± 0.38g)</td>
<td>Rainbow Trout</td>
<td>S, U</td>
<td>7.7–7.9</td>
<td>270</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Gila elegans (0.29 ± 0.08g)</td>
<td>Bonytail Chub</td>
<td>S, U</td>
<td>7.7–7.9</td>
<td>270</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Ptychochloris lucius (0.34 ± 0.05g)</td>
<td>Colorado Squawfish</td>
<td>S, U</td>
<td>7.8–8.0</td>
<td>270</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Pimephales promelas (0.39 ± 0.14g)</td>
<td>Fathead Minnow</td>
<td>S, U</td>
<td>7.8–8.2</td>
<td>290</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Pimephales promelas (0.45 ± 0.35g)</td>
<td>Fathead Minnow</td>
<td>S, U</td>
<td>7.6–7.8</td>
<td>310</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Gila elegans (0.52 ± 0.09g)</td>
<td>Bonytail Chub</td>
<td>S, U</td>
<td>7.4–7.6</td>
<td>310</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Pimephales promelas (0.40 ± 0.21g)</td>
<td>Fathead Minnow</td>
<td>S, U</td>
<td>7.5–7.9</td>
<td>330</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Lumbrinerus variegatus (adult)</td>
<td>Mole</td>
<td>F, M</td>
<td>8.75</td>
<td>342</td>
<td>Ref. 4.</td>
</tr>
<tr>
<td>Pimephales promelas (0.56 ± 0.19g)</td>
<td>Fathead Minnow</td>
<td>S, U</td>
<td>7.8–8.1</td>
<td>360</td>
<td>Ref. 9.</td>
</tr>
<tr>
<td>Ophiogomphus sp. (nymph)</td>
<td>Dragonfly</td>
<td>F, M</td>
<td>8.06</td>
<td>596</td>
<td>Ref. 4.</td>
</tr>
<tr>
<td>Physella virgata (adult)</td>
<td>Snail</td>
<td>F, M</td>
<td>7.89</td>
<td>774</td>
<td>Ref. 4.</td>
</tr>
</tbody>
</table>

### TABLE 2—ACUTE TOXICITY OF NONYLPHENOL TO SALTWATER AQUATIC ORGANISMS

<table>
<thead>
<tr>
<th>Species</th>
<th>Common name</th>
<th>Method a</th>
<th>pH</th>
<th>LC50 or EC50 (μg/L)</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mulinia lateralis (embryo/larvae)</td>
<td>Coot Clam</td>
<td>S, U</td>
<td>7.8–8.2</td>
<td>38</td>
<td>Ref. 13.</td>
</tr>
<tr>
<td>Mysidopsis bahia (&lt; 24 hrs old)</td>
<td>Mysis Shrimp</td>
<td>S, U</td>
<td>7.3–8.2</td>
<td>43</td>
<td>Ref. 17.</td>
</tr>
<tr>
<td>Leptocheirus plumosus (adult)</td>
<td>Amphipod</td>
<td>F, M</td>
<td>7.8–8.2</td>
<td>62</td>
<td>Ref. 13.</td>
</tr>
<tr>
<td>Menidia beryllina (juvenile)</td>
<td>Inland Silversides</td>
<td>F, M</td>
<td>7.8–8.2</td>
<td>70</td>
<td>Ref. 13.</td>
</tr>
<tr>
<td>Homarus americanus (1st stage larvae)</td>
<td>American Lobster</td>
<td>R, U</td>
<td>7.8–8.2</td>
<td>71</td>
<td>Ref. 13.</td>
</tr>
<tr>
<td>Ehaastorus estuarius (adult)</td>
<td>Amphipod</td>
<td>S, U</td>
<td>missing</td>
<td>138</td>
<td>Ref. 16.</td>
</tr>
<tr>
<td>Cyprinodrom variegatus (juvenile)</td>
<td>Sheepshead Minnow</td>
<td>F, M</td>
<td>7.9–8.2</td>
<td>142</td>
<td>Ref. 13.</td>
</tr>
<tr>
<td>Acartia tonsa (10–12 days old)</td>
<td>Copepod</td>
<td>S, U</td>
<td>missing</td>
<td>190</td>
<td>Ref. 15.</td>
</tr>
<tr>
<td>Dyspanopeus sayii (4th and 5th stage larvae)</td>
<td>Mud Crab</td>
<td>F, M</td>
<td>7.8–8.2</td>
<td>&gt; 195</td>
<td>Ref. 13.</td>
</tr>
</tbody>
</table>

Note that there has been a taxonomic name change, _Mysidopsis bahia_ is now _Americamysis bahia_, the original names from the studies are used in this document to avoid any confusion.

### B. Chronic Toxicity to Aquatic Animals

1. Freshwater Species. The chronic toxicity of nonylphenol to freshwater animals has been studied in two fish and three invertebrate species (Table 3). Of the invertebrates, a number of species of the cladoceran (water flea) genus _Daphnia_ have been extensively tested for chronic effects. Water flea (_Ceriodaphnia dubia_) neonates exhibited reproductive impairment when exposed to nonylphenol for 7 days at 202 μg/L and survival was impaired at concentrations of 377 μg/L (Ref. 18). Four to 24-hour old water fleas (_Daphnia magna_) showed a reduction in the number of young per brood over 9 days of exposure to concentrations as low as 48 μg/L. Based on this study, a chronic Lowest-Observed-Effect-Concentration (LOEC) was calculated to be 23 μg/L for effects on brood production (Ref. 19). Water fleas (_Daphnia magna_) exposed to 71 and 130 μg/L nonylphenol for 21 days exhibited declines in both growth and adult survival rates (Ref. 6). In a separate 21-day life cycle study of water fleas (_Daphnia magna_); growth, reproduction, and survival were all reduced at concentrations of 158 μg/L and above (Ref. 4). Less than 24-hour-old midge (Chironomus tentans) larvae exposed to concentrations of nonylphenol from 12 to 200 μg/L and showed significant declines in larval survival over the first 20 days of exposure. The chronic toxicity value for survival was calculated as 62 μg/L (Ref. 20).

A 91-day life stage test was conducted with the embryos and fry of rainbow trout (_Oncorhynchus mykiss_) at concentrations from 6 to 114 μg/L.Nearly all larvae were abnormal at the two highest exposure concentrations (≥ 53 μg/L) (Ref. 4). Survival was reduced at ≥ 23 μg/L and growth measured as both change in weight and length was even more sensitive with measured decreases at concentrations as low as 10 μg/L. The chronic toxicity effect value for growth (both weight and length) was calculated as 8 μg/L (Ref. 4).

Embryos and larvae of the sheepshead minnow (Pimephales promelas) were...
exposed in a 33-day early-life-stage test at nonylphenol concentrations ranging from 3 to 23 μg/L (Ref. 21). Hatching was delayed at the two highest concentrations (14 and 23 μg/L). Fathead minnow survival was reduced at concentrations of 14 μg/L and greater. The survival chronic toxicity effect value for fathead minnows was calculated to be 14 μg/L (Ref. 21).

2. Saltwater Species. Two chronic toxicity tests have been conducted with mysid shrimp (Mysidopsis bahia) (Ref. 22). The first experiment was a 28-day exposure measuring survival, growth, and reproduction. Shrimp survival was reduced by 18% on exposure to 9 μg/L. Growth in length was the most sensitive endpoint with a 7% reduction in length for animals exposed to 7 μg/L and No-Oberved-Effect-Concentration (NOEC) and LOEC for growth responses of 4 and 7 μg/L (Table 3). The second experiment, a 28-day life-cycle test, examined the effect of nonylphenol on brood release and growth (Ref. 23). Growth of female mysids (Americamysis bahia) was reduced at concentrations at and above 28 μg/L. Brood production was the most sensitive endpoint in this study. The average number of young per female-reproductive day was reduced at concentrations ≥ 15 μg/L. The NOECs and LOECs for reproductive responses were 9 and 15 μg/L.

### TABLE 3—CHRONIC TOXICITY OF NONYLPHENOL TO AQUATIC ORGANISMS

<table>
<thead>
<tr>
<th>Species</th>
<th>Common name</th>
<th>Method a,b</th>
<th>pH</th>
<th>Chronic value range (μg/L)</th>
<th>Endpoint</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mysis bahia</td>
<td>Mysis Shrimp</td>
<td>LC, SW</td>
<td>7.4–8.3</td>
<td>5 (NOEC x LOEC)/2</td>
<td>Growth</td>
<td>Ref. 22.</td>
</tr>
<tr>
<td>Oncorhynchus mykiss</td>
<td>Rainbow Trout</td>
<td>ESL, FW</td>
<td>6.97</td>
<td>8 (NOEC x LOEC)/2</td>
<td>Growth</td>
<td>Ref. 4.</td>
</tr>
<tr>
<td>Mysidopsis bahia</td>
<td>Mysis Shrimp</td>
<td>LC, SW</td>
<td>7.4–8.3</td>
<td>9 Survival</td>
<td>Ref. 22.</td>
<td></td>
</tr>
<tr>
<td>Mysidopsis bahia</td>
<td>Mysis Shrimp</td>
<td>LC, SW</td>
<td>7.4–8.3</td>
<td>9 Reproduction</td>
<td>Ref. 22.</td>
<td></td>
</tr>
<tr>
<td>Americamysis bahia</td>
<td>Mysis Shrimp</td>
<td>LC, SW</td>
<td>Missing</td>
<td>12 (NOEC x LOEC)/2 Total Number of Young. Delayed Hatching; Survival.</td>
<td>Ref. 23.</td>
<td></td>
</tr>
<tr>
<td>Pimephales promelas</td>
<td>Fathead Minnow</td>
<td>ELS, FW</td>
<td>7.1–8.2</td>
<td>14 Survival</td>
<td>Ref. 21.</td>
<td></td>
</tr>
<tr>
<td>Oncorhynchus mykiss</td>
<td>Rainbow Trout</td>
<td>ESL, FW</td>
<td>6.97</td>
<td>23 Survival</td>
<td>Ref. 4.</td>
<td></td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>Water Flea</td>
<td>LC, FW</td>
<td>8.04</td>
<td>23 (NOEC x LOEC)/2 Total Number of Young.</td>
<td>Ref. 19.</td>
<td></td>
</tr>
<tr>
<td>Americamysis bahia</td>
<td>Mysis Shrimp</td>
<td>LC, SW</td>
<td>Missing</td>
<td>28 Growth</td>
<td>Ref. 23.</td>
<td></td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>Water Flea</td>
<td>LC, FW</td>
<td>8.25</td>
<td>39 Number of Live Young</td>
<td>Ref. 6.</td>
<td></td>
</tr>
<tr>
<td>Oncorhynchus mykiss</td>
<td>Rainbow Trout</td>
<td>ESL, FW</td>
<td>6.97</td>
<td>53 Abnormal Development</td>
<td>Ref. 4.</td>
<td></td>
</tr>
<tr>
<td>Chironomus tentans</td>
<td>Midge</td>
<td>LC, FW</td>
<td>7.73</td>
<td>62 (NOEC x LOEC)/2 20 d Survival</td>
<td>Ref. 20.</td>
<td></td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>Water Flea</td>
<td>LC, FW</td>
<td>8.25</td>
<td>71 Growth</td>
<td>Ref. 6.</td>
<td></td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>Water Flea</td>
<td>LC, FW</td>
<td>8.25</td>
<td>130 Adult Survival</td>
<td>Ref. 6.</td>
<td></td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>Water Flea</td>
<td>LC, FW</td>
<td>8.46</td>
<td>158 (NOEC x LOEC)/2 Growth and Reproduction; Survival.</td>
<td>Ref. 4.</td>
<td></td>
</tr>
<tr>
<td>Ceriodaphnia dubia</td>
<td>Water Flea</td>
<td>LC, FW</td>
<td>8.3–8.6</td>
<td>202 Reproductive Impairment</td>
<td>Ref. 18.</td>
<td></td>
</tr>
<tr>
<td>Ceriodaphnia dubia</td>
<td>Water Flea</td>
<td>LC, FW</td>
<td>8.3–8.6</td>
<td>377 Survival</td>
<td>Ref. 18.</td>
<td></td>
</tr>
</tbody>
</table>

### C. Toxicity to Aquatic Plants

1. Freshwater. Ecological toxicity data for freshwater plants was available only for single-celled planktonic green alga (Selenastrum capricornutum) (Ref. 24). Algae exposed to nonylphenol for 4 days had an EC₅₀ for effect on population growth rate of 410 μg/L. The effect did not persist when the algae were transferred to fresh, uncontaminated, growth medium.

2. Saltwater. Ecological toxicity data for saltwater plants are available only for a single species of marine planktonic algae, a diatom (Skeletonema costatum) (Ref. 25). The EC₅₀ for nonylphenol effect on vegetative growth was 27 μg/L.

### D. Bioaccumulation

1. Freshwater Species. Data on bioaccumulation of nonylphenol in freshwater organisms was limited to two species of fish, fathead minnow (Pimephales promelas) and bluegill (Lepomis macrochirus). Juvenile fathead minnows exposed to 5 and 23 μg/L nonylphenol for 27 days showed non-lipid-normalized bioconcentration factors (BCF) of 271 and 344 respectively (Ref. 26). Values which had been normalized to organism lipid content were approximately five times lower. A short-term (4-day) bioassay indicated that tissue concentrations reached steady-state within two days in both the fathead minnow and bluegill (Ref. 27). Overall, lipid-normalized BCF’s for fathead minnows in 4- and 27-day tests ranged from 128 to 209 and for bluegills from 39 to 57 (Ref. 8). A 42-day exposure experiment using fathead minnows and exposure concentrations of 0.4 to 3.4 μg/L resulted in BCF’s ranging from 203 to 268 (Ref. 28).

2. Saltwater Species. Bioconcentration factors are available for three species of marine animals; the blue mussel (Mytilus edulis), the three-spined stickleback fish (Gasterosteus aculeatus), and a benthic shrimp (Crangon crangon) (Ref. 29). Individuals of all three species were exposed to carbon-14 (¹⁴C)-labeled nonylphenol for 16 days and followed over a subsequent elimination period of 32 days. BCF's are now normalized to organism lipid.
ranged from a measured value in benthic shrimp of 79 to an estimated value of 2,168 for the blue mussel.

**E. Reproductive, Developmental, and Estrogenic Effects**

Numerous investigations have demonstrated the estrogenic activity of nonylphenol (see Refs. 30, 31, and 32 for reviews). The majority of studies have been conducted with aquatic species and effects have been demonstrated both in vitro and in vivo. While most of these studies have been conducted on fish, a number of species of invertebrates have also been examined.

1. **Aquatic Invertebrates.** Among invertebrates, estrogenic effects have been demonstrated in a marine amphipod (*Corophium volutator*) at 10 µg/L (Ref. 33) and larvae of a freshwater insect (*Chironomus riparius*) at 2,000 µg/L (Ref. 34). However, no estrogenic effects were found in a marine copepod (*Tisbe battagliai*) at exposure concentrations up to 55 µg/L (Ref. 35).

2. **In Vivo Responses in Fish.** The protein vitellogenin, which is produced in the liver, is a primary constituent in the yolk of the ova of oviparous vertebrate species (i.e., species producing eggs which hatch outside the body). Very little vitellogenin is produced in males and increased vitellogenin production in males is an indication of estrogenic effects. While nonylphenol has been shown to produce estrogenic effects, estimates from studies on male rainbow trout (*Oncorhynchus mykiss*) suggest that it is 2,000 to 3,000 times less potent than natural estrogen (17 beta-estradiol) (Ref. 36).

   Exposure to nonylphenol has been shown to increase vitellogenin production in male rainbow trout (*Oncorhynchus mykiss*) at concentrations from 10 to 100 µg/L over periods of 4 hours to 3 days (Refs. 37, 38 and 39). Jobling and colleagues (Ref. 40) also found increased vitellogenin production in male rainbow trout after 21 days of exposure to nonylphenol concentrations of 20 and 54 µg/L. Similarly, Tremblay and van der Knaak (Ref. 41) found increased plasma vitellogenin after 3 weeks of exposure to 50 µg/L nonylphenol in rainbow trout. Female rainbow trout are similarly sensitive with vitellogenin induction occurring with exposures ranging from 8 to 66 µg/L (Ref. 42). The study on female rainbow trout also noted that nonylphenol exposure caused changes in several pituitary and hormone plasma levels. Exposure to nonylphenol concentrations as low as 4 µg/L led to vitellogenin induction in male green swordfish (*Xiphophorus helleri*). In contrast, additional studies did not show vitellogenin induction in rainbow trout exposed for 9 days at 109 µg/L (Ref. 43) or the Atlantic salmon (*Salmo trutta*) exposed for 30 days to 20 µg/L (Ref. 44).

   Vitellogenin messenger ribonucleic acid (mRNA) is a direct precursor to protein formation and increased production in rainbow trout at concentrations of 10 to 14 µg/L when exposed for 4 and 72 hours respectively (Ref. 3). Increased levels of plasma vitellogenin and several pituitary and plasma hormone levels were observed in female rainbow trout exposed to 8 and 86 µg/L nonylphenol. The route of exposure influenced vitellogenin induction in the fathead minnow with an order of magnitude greater induction when exposed via water as opposed to diet (Ref. 45).

   Fish fecundity (i.e., the rate of production of young) is also affected in various ways by nonylphenol exposure (Ref. 28). Concentrations as low as 2.5 to 3.4 µg/L, although not acutely toxic, decreased the fecundity of fathead minnows at various times over the reproductive season. At concentrations of approximately 0.1 µg/L, fecundity was increased in fathead minnows. These results suggest a possible hormetic response of fish fecundity to nonylphenol.

   A number of studies have been performed with the fish Japanese medaka (*Oryzias latipes*). Following hatch, a cohort of Japanese medaka was exposed for 28 days and monitored for the following 55 days for survival, growth, egg viability, egg production, and gonosomatic index (GSI) (Ref. 46). No effects were noted at the lowest exposure concentration of 1.93 µg/L. However, in a 3-month exposure study with the same species, effects were noted at 50 µg/L and included intersex (development of ovo-testis) and the sex ratio shifted in favor of females (Ref. 47).

   Another study of Japanese medaka found that, in fish exposed from fertilized egg to 60 days post-hatch, the LOEC for vitellogenin induction was found to be 12 µg/L (Ref. 48). A two-generation (F0 and F1) flow-through study exposed Japanese medaka from eggs to 60 days post-hatch of the second (F1) generation at concentrations ranging from 4 to 183 µg/L (Ref. 49). For the F0 generation, egg hatchability was reduced by 48% at 187 µg/L. Survival was reduced at 60 days post-hatch for exposures at or above 18 µg/L. However, no differences in growth rates were observed between control and any exposure concentration 60 days post-hatch. Induction of ovo-testis was observed at 18 µg/L with 20% of the fish exhibiting external male characteristics having ovo-testis. At 51 µg/L, all fish exhibited external female characteristics with 40% containing ovo-testis. Spermatogenesis was observed in ovo-testis containing fish exposed to 18 but not 51 µg/L. Fecundity was not affected by nonylphenol exposure. GSI of female fish was increased by exposure to concentrations greater than 8 µg/L.

   Effects of exposure on the F1 generation were also reported with no embryological abnormalities or hatching failures observed at any of the treatment concentrations. Growth was also not affected at 60 days post-hatch in the F1 generation. However, the sex ratio as determined by secondary sexual characteristics changed in favor of females (1:2) at concentrations greater than 18 µg/L. Induction of ovo-testis occurred at lower concentrations in the F1 as opposed to the F0 generation (8 versus 18 µg/L). All fish in the F1 generation with ovo-testis displayed external male characteristics and the degree of oocyte development of the test was not as complete as with the F0, 18 µg/L treatment. The overall results suggest a NOEC and LOEC of approximately 8 and 18 µg/L respectively.

   A multi-generational study has also been conducted for the rainbow trout (*Oncorhynchus mykiss*) (Ref. 50). Exposure to concentrations of 1 and 10 µg/L of adult males and females was intermittent over 4 months. Vitellogenin induction was increased in adult male fish exposed to both 1 and 10 µg/L. Male progeny of fish exposed to 10 µg/L showed elevated plasma estradiol concentrations. Female progeny showed elevated levels of plasma testosterone and vitellogenin concentrations.

**V. Rationale for Listing**

EPA’s technical evaluation of nonylphenol shows that it can reasonably be anticipated to cause, because of its toxicity, significant adverse effects in aquatic organisms. Toxicity values for nonylphenol are available for numerous species of aquatic organisms. The observed effects from nonylphenol exposure occur at very low concentrations demonstrating that nonylphenol is highly toxic to aquatic organisms. Data summarized in this document include acute toxicity values for freshwater organisms ranging from 21 µg/L for a detritivorous amphipod to 774 µg/L for an algal grazing snail. Acute toxicity values for freshwater fish ranged from 110 µg/L for the fountain darter to 128 to 360 µg/L for the fathead minnow. Acute toxicity values for saltwater organisms ranged from 17 µg/L for the winter flounder to
310 μg/L for the sheepshead minnow. Chronic toxicity values are also available for several aquatic species ranging from 5 μg/L for growth effects in mysid shrimp to 377 μg/L for survival effects in water fleas. Chronic toxicity values for rainbow trout ranged from 8 μg/L for effects on growth to 53 μg/L for abnormal development. Reproductive, developmental, and estrogogenic effects on aquatic organisms have also been reported for nonylphenol with some effects observed at concentrations of 4 μg/L or less. Therefore, EPA believes that the evidence is sufficient for listing the nonylphenol category on the EPCRA toxic chemical list pursuant to EPCRA section 313(d)(2)(C) based on the available ecological toxicity data.

EPA does not believe that it is appropriate to consider exposure for chemicals that are highly toxic based on a hazard assessment when determining if a chemical can be added for environmental effects pursuant to EPCRA section 313(d)(2)(C) (see 59 FR 61440–61442). Therefore, in accordance with EPA’s standard policy on the use of exposure assessments (59 FR 61432), EPA does not believe that an exposure assessment is necessary or appropriate for determining whether the nonylphenol category meets the criteria of EPCRA section 313(d)(2)(C).

VI. References

EPA has established an official public docket for this action under Docket ID No. EPA–HQ–TRI–2012–0110. The public docket includes information considered by EPA in developing this action, including the documents listed below, which are electronically or physically located in the docket. In addition, interested parties should consult documents that are referenced in the documents that EPA has placed in the docket, regardless of whether these referenced documents are electronically or physically located in the docket. For assistance in locating documents that are referenced in documents that EPA has placed in the docket, but that are not electronically or physically located in the docket, please consult the person listed in the above FOR FURTHER INFORMATION CONTACT section.


VII. What are the Statutory and Executive Order Reviews associated with this action?

A. Executive Order 12866: Regulatory Planning and Review and Executive Order 13563: Improving Regulation and Regulatory Review

This action is not a “significant regulatory action” under the terms of Executive Order 12866 (58 FR 51735, October 4, 1993) and is therefore not subject to review under Executive Orders 12866 and 13563 (76 FR 3821, January 21, 2011).

B. Paperwork Reduction Act

This proposed rule does not contain any new information collection requirements that require additional approval by the Office of Management and Budget (OMB) under the Paperwork Reduction Act (PRA), 44 U.S.C. 3501 et. seq. Currently, the facilities subject to the reporting requirements under EPCRA 313 and PPA 6607 may use either the EPA Toxic Chemicals Release Inventory Form R (EPA Form 9350–1), or the EPA Toxic Chemicals Release Inventory Form A (EPA Form 9350–2). The Form R must be completed if a facility manufactures, processes, or otherwise uses any listed chemical above threshold quantities and meets certain other criteria. For the Form A, EPA established an alternative threshold for facilities with low annual reportable amounts of a listed toxic chemical. A facility that meets the appropriate reporting thresholds, but estimates that the total annual reportable amount of the chemical does not exceed 500 pounds per year, can take advantage of an alternative manufacture, process, or otherwise use threshold of 1 million pounds per year of the chemical, provided that certain conditions are met, and submit the Form A instead of the Form R. In addition, respondents may designate the specific chemical identity of a substance as a trade secret pursuant to EPCRA section 322 42 U.S.C. 11042: 40 CFR part 350. OMB has approved the reporting and recordkeeping requirements related to Forms A and R, supplier notification, and petitions under OMB Control number 2025–0009 (EPA Information Collection Request (ICR) No. 1363) and those related to trade secret designations under OMB Control 2050–0078 (EPA ICR No. 1428). As provided in 5 CFR 1320.5(b) and 1320.6(a), an Agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The OMB control numbers relevant to EPA’s regulations are listed in 40 CFR part 9, 48 CFR chapter 15, and displayed on the information collection instruments (e.g., forms, instructions). For the 57 Form Rs and 13 Form As expected to be filed, EPA estimates the industry reporting and recordkeeping burden for collecting this information to average, in the first year, $246,429 (based on 4,874 total burden hours) (Ref. 51). In subsequent years, the burden for collecting this information is estimated to average $117,350 (based on 2,321 total burden hours). These estimates are subject to review under Executive Order 12866 (58 FR 51735, October 4, 1993) and is therefore not subject to review under Executive Orders 12866 and 13563 (76 FR 3821, January 21, 2011).
only); review instructions; search existing data sources; gather and maintain the data needed; complete and review the collection information; and transmit or otherwise disclose the information. The actual burden on any facility may be different from this estimate depending on the complexity of the facility’s operations and the profile of the releases at the facility. Upon promulgation of a final rule, the Agency may determine that the existing burden estimates in the ICRs need to be amended in order to account for an increase in burden associated with the final action. If so, the Agency will submit an information collection worksheet (ICW) to OMB requesting that the total burden in each ICR be amended, as appropriate.


The RFA generally requires an agency to prepare a regulatory flexibility analysis of any rule subject to notice and comment rulemaking requirements under the Administrative Procedure Act or any other statute unless the agency certifies that the rule will not have a significant economic impact on a substantial number of small entities. Small entities include small businesses, small organizations, and small governmental jurisdictions. For purposes of assessing the impacts of today’s rule on small entities, small entity is defined as: (1) A business that is classified as a “small business” by the Small Business Administration at 13 CFR 121.201; (2) a small governmental jurisdiction that is a government of a city, county, town, school district or special district with a population of less than 50,000; and (3) a small organization that is any not-for-profit enterprise which is independently owned and operated and is not dominant in its field.

After considering the economic impacts of today’s rule on small entities, I certify that this action will not have a significant economic impact on a substantial number of small entities. Of the 70 entities estimated to be impacted by this proposed rule, 34 are small businesses. Of the affected small businesses, all 34 are projected to have cost-to-revenue impacts of less than 1% in both the first and subsequent years of the rulemaking. Facilities eligible to use Form A (those meeting the appropriate activity threshold which have 500 pounds per year or less of reportable amounts) will have a lower burden. No small governments or small organizations are expected to be affected by this action. Thus this rule is not expected to have a significant adverse economic impact on a substantial number of small entities. A more detailed analysis of the impacts on small entities is located in EPA’s economic analysis support document (Ref. 51). We continue to be interested in the potential impacts of the proposed rule on small entities and welcome comments on issues related to such impacts.

D. Unfunded Mandates Reform Act

This rule does not contain a Federal mandate that may result in expenditures of $100 million or more for State, local, and tribal governments, in the aggregate, or the private sector in any one year. EPA’s economic analysis indicates that the total cost of this rule is estimated to be $246,722 in the first year of reporting. Thus, this rule is not subject to the requirements of sections 202 or 205 of UMRA. This rule is also not subject to the requirements of section 203 of UMRA because it contains no regulatory requirements that might significantly or uniquely affect small governments. Small governments are not subject to the EPCRA section 313 reporting requirements.

E. Executive Order 13132 (Federalism)

This action does not have federalism implications. It will not have substantial direct effects on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government, as specified in Executive Order 13132. This action relates to toxic chemical reporting under EPCRA section 313, which primarily affects private sector facilities. Thus, Executive Order 13132 does not apply to this action.

In the spirit of Executive Order 13132, and consistent with EPA policy to promote communications between EPA and State and local governments, EPA specifically solicits comment on this proposed action from State and local officials.

F. Executive Order 13175: Consultation and Coordination With Indian Tribal Governments

This action does not have tribal implications, as specified in Executive Order 13175 (65 FR 67249, November 9, 2000). This action relates to toxic chemical reporting under EPCRA section 313, which primarily affects private sector facilities. Thus, Executive Order 13175 does not apply to this action. In the spirit of Executive Order 13175, and consistent with EPA policy to promote communications between EPA and Indian Tribal Governments, EPA specifically solicits additional comment on this proposed action from tribal officials.

G. Executive Order 13045: Protection of Children From Environmental Health Risks and Safety Risks

EPA interprets EO 13045 (62 FR 19885, April 23, 1997) as applying only to those regulatory actions that concern health or safety risks, such that the analysis required under section 5–501 of the EO has the potential to influence the regulation. This action is not subject to EO 13045 because it does not establish an environmental standard intended to mitigate health or safety risks.

H. Executive Order 12211: Actions Concerning Regulations That Significantly Affect Energy Supply, Distribution, or Use

This action is not subject to Executive Order 12211 (66 FR 28355 [May 22, 2001]), because it is not a significant regulatory action under Executive Order 12866.

I. National Technology Transfer and Advancement Act

Section 12(d) of the National Technology Transfer and Advancement Act of 1995 (“NTTAA”), Public Law 104–113, 12(d) (15 U.S.C. 272 note) directs EPA to use voluntary consensus standards in its regulatory activities unless to do so would be inconsistent with applicable law or otherwise impractical. Voluntary consensus standards are technical standards (e.g., materials specifications, test methods, sampling procedures, and business practices) that are developed or adopted by voluntary consensus standards bodies. NNTAA directs EPA to provide Congress, through OMB, explanations when the Agency decides not to use available and applicable voluntary consensus standards. This proposed rulemaking does not involve technical standards. Therefore, EPA is not considering the use of any voluntary consensus standards.

J. Executive Order 12898: Federal Actions To Address Environmental Justice in Minority Populations and Low-Income Populations

Executive Order (EO) 12898 (59 FR 7629 [Feb. 16, 1994]) establishes Federal executive policy on environmental justice. Its main provision directs Federal agencies, to the greatest extent practicable and permitted by law, to make environmental justice part of their mission by identifying and addressing,
as appropriate, disproportionately high and adverse human health or environmental effects of their programs, policies, and activities on minority populations and low-income populations in the United States. EPA has determined that this proposed rule will not have disproportionately high and adverse human health or environmental effects on minority or low-income populations because it does not affect the level of protection provided to human health or the environment. This proposed rule adds an additional chemical to the EPCRA section 313 reporting requirements. By adding a chemical to the list of toxic chemicals subject to reporting under section 313 of EPCRA, EPA would be providing communities across the United States (including minority populations and low income populations) with access to data which they may use to seek lower exposures and consequently reductions in chemical risks for themselves and their children. This information can also be used by government agencies and others to identify potential problems, set priorities, and take appropriate steps to reduce any potential risks to human health and the environment. Therefore, the informational benefits of the proposed rule will have a positive impact on the human health and environmental impacts of minority populations, low-income populations, and children.

**List of Subjects in 40 CFR Part 372**

Environmental protection, Community right-to-know, Reporting and recordkeeping requirements, and Toxic chemicals.

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**Category Name**

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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Nonylphenol</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Where $C_9H_{19} = \text{Branched or straight alkyl chain}$