#### ILLINOIS POLLUTION CONTROL BOARD November 21, 2013

| IN THE MATTER OF: DEFINITION OF VOM UPDATE, USEPA REGULATIONS (January 1, 2013 through June 30, 2013 and August 28, 2013) | ) ) ) | R14-7<br>(Identical-in-Substance Rulemaking - Air) |
|---|-------|--|
| Adopted Rule. Final Order.  |       |  |

OPINION AND ORDER OF THE BOARD (by J.A. Burke):

This rulemaking updates the definition of "volatile organic material" (VOM) in the Board's air pollution regulations (35 Ill. Adm. Code 211.7150). The update is needed to ensure that Illinois' regulations reflect the United States Environmental Protection Agency's (USEPA) most recent exemptions of chemical compounds from regulation as ozone precursors. The update includes all USEPA actions in this regard that occurred during the period from January 1, 2013 through June 30, 2013.

This opinion and order is organized into four segments in the following order: (1) an overview of this proceeding that describes the subject matter and regulatory context; (2) segments that review public comments and the record assembled at a public that the Board held in this proceeding; (3) a segment that includes substantive discussion of the federal amendments and resulting Board actions, including tables that outline USEPA amendments that the Board has not followed, deviations from the literal text of the USEPA amendments, corrections and amendments that are not directly derived from USEPA amendments, and revisions since the September 5, 2013 proposal for public comment; and (4) the Board's order, which includes the text of the adopted amendments.

#### **OVERVIEW OF THIS PROCEEDING**

Today the Board adopts amendments that add four compounds to the list of those exempted from the definition of volatile organic material (VOM). The amendments adopted today respond to three USEPA actions that resulted in a single set of USEPA amendments to the federal definition of "volatile organic compound" (VOC) codified at 40 C.F.R. 51.100(s). VOM in the Illinois rules and throughout this opinion and order has the same meaning as does VOC in the federal regulations. *Compare* 35 Ill. Adm. Code 211.7150 *with* 40 C.F.R. 51.100(s) (2013).

The Board reserved this docket to accommodate USEPA amendments to the federal definition of VOM during the period January 1, 2013 through June 30, 2013. USEPA amended 40 C.F.R. 51.100(s) twice during that time, on February 12, 2013 (at 78 Fed. Reg. 9823) and February 15, 2013 (78 Fed. Reg. 11101). USEPA, however, subsequently withdrew the

February 15, 2013 amendments on April 18, 2013 (78 Fed. Reg. 23149) in response to adverse public comment.<sup>1</sup>

The USEPA actions during the period from January 1, 2013 through June 30, 2013 are summarized as follows:

**February 12, 2013 (78 Fed. Reg. 9823):** USEPA exempted four new compounds from the definition of VOM. The four newly exempted compounds are one hydrofluoroether and three hydrofluoropolyethers (HFEs): (difluoromethoxy)(difluoro)methane (CAS 1691-17-4), bis(difluoromethoxy)(difluoro)methane (CAS 78522-47-1), 1,2-bis(difluoromethoxy)-1,1,2,2-tetrafluoroethane (CAS 188690-78-0), and 1-(difloromethoxy)-2-[(difluoromethoxy)(difluoro)methoxy]-1,1,2,2-tetrafluoroethane (CAS 188690-77-9).

<u>February 15, 2013 (78 Fed. Reg. 11101):</u> USEPA exempted one new compound from the definition of VOM. The newly exempted compound was a chlorofluoroalkene: *trans*-1-chloro-3,3,3-trifluoroprop-1-ene (CAS 102687-65-0).

<u>April 18, 2013 (78 Fed. Reg. 23149):</u> USEPA withdrew the February 15, 2013 exemption.

After July 1, 2013, USEPA undertook one action related to actions taken during the January 1, 2013 through June 30, 2013 nominal time-frame of this docket. That action is described as follows:

<u>August 28, 2013 (78 Fed. Reg. 53029):</u> USEPA exempted *trans*-1-chloro-3,3,3-trifluoro prop-1-ene (CAS 102687-65-0) by the usual rulemaking procedure.

The Board amends the Illinois definition of VOM in response to the USEPA actions of February 12, 2013. The Board includes the USEPA action of August 28, 2013 for the sake of expedience and administrative convenience.

No action is needed based on the USEPA actions of February 15, 2013 and April 18, 2013. A brief explanation of the February 15, 2013 and April 18, 2013 actions is included in the discussion of the August 28, 2013 action.

Section 9.1(e) of the Environmental Protection Act (Act) (415 ILCS 5/9.1(e) (2012)) mandates this rulemaking. That statutory provision requires the Board to exclude from the definition of VOM those compounds determined by USEPA to be exempt from regulation under the state implementation plans for ozone "due to negligible photochemical reactivity." 415 ILCS 5/9.1(e) (2012). In addition, Section 9.1(e) of the Act requires the Board to conduct this rulemaking pursuant to the provisions of Section 7.2(b) of the Act (415 ILCS 5/7.2(b) (2012)) for adopting rules that are "identical in substance" to the federal requirements.

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<sup>&</sup>lt;sup>1</sup> The February 15, 2013 action would have exempted *trans*-1-chloro-3,3,3-trifluoroprop-1-ene (also called Solstice 1233zd(E)) (CAS no. 102687-65-0). *See* 78 Fed. Reg. 11101, 11104 (Feb. 15, 2013). The effect of the USEPA withdrawal was to put the addition of this compound at the proposed rule stage. *See* 78 Fed. Reg. 23149 (Apr. 18, 2013); 78 Fed. Reg. 11101, 11102 (Feb. 15, 2013); 78 Fed. Reg. 11119 (Feb. 15, 2013).

Section 9.1(e) also provides that Title VII of the Act and Section 5-35 of the Administrative Procedure Act (APA) (5 ILCS 100/5-35 (2012)) do not apply to this type of rulemaking. Accordingly, the Board did not adopt a "First Notice" proposal, or a "Second Notice" proposal for review by the Joint Committee on Administrative Rules (JCAR). However, as provided in Section 9.1(e) of the Act and explained in the two following segments of this opinion and order, the Board, did provide notice of the rulemaking proposal in the *Illinois Register* before adopting the amendments, held one public hearing on the proposal as required by the federal Clean Air Act (33 U.S.C. § 7410(a) (2012)), and allowed for public comment.

#### **PUBLIC COMMENTS**

The Board adopted a proposal for public comment in this proceeding on September 5, 2013. A Notice of Proposed Amendment appeared in the September 20, 2013 issue of the *Illinois Register*, at 37 Ill. Reg. 15289. The Board held a public hearing in this matter on October 31, 2013 and received public comment on the proposal until November 4, 2013 (45 days after the date of *Illinois Register* publication.

Agency personnel attended the public hearing, but did not present testimony or comments. The Board did not receive public comments on the proposed amendment.

The Board also received a document from JCAR that indicates a limited number of revisions that JCAR has suggested for the text. The Board has revised the text in response to some of the JCAR suggestions and has declined to follow others. Table 4 below (beginning on page 11) indicates the suggestions that the Board has followed. Table 5 (beginning on page 12) explains the suggestions that the Board has declined.

## PROPOSED SIP REVISION AND FEDERALLY REQUIRED PUBLIC HEARING

The Board expects that the Illinois Environmental Protection Agency (Agency) will submit the present amendments as a revision to the Illinois State Implementation Plan (SIP) for ozone pursuant to section 110 of the federal Clean Air Act (42 U.S.C. § 7410(a) (2012) and the implementing USEPA regulations. *See* 40 C.F.R. 51.102 and appendix V (2013).

As authorized by 415 ILCS 5/9.1(e), the Board held a public hearing on October 31, 2013. This was to allow interested members of the public to comment on the proposed amendments and the anticipated SIP revision that will result from their adoption. The Board simultaneously conducted the hearing via teleconference at Chicago and Springfield, so that persons at both locations may freely participate in the proceedings.

The record in this docket includes all documents pertaining to this proceeding. All documents in the record are publicly available for inspection and copying as provided in 2 Ill. Adm. Code 2175 (2012). The documents are also freely available online at the Board's webpage: www.ipcb.state.il.us.

The record does not include a copy of the following documents, which are all otherwise publicly available:

- The *Federal Register* notice that prompted this action (referenced elsewhere in this opinion and order);
- Federal statutes and regulations referenced in this opinion and order; and
- Illinois statutes and regulations referenced in this opinion and order.

#### **DISCUSSION**

#### **Board Actions Directly Based on Federal Amendments**

<u>USEPA Action of February 12, 2013.</u> On February 12, 2013 (at 78 Fed. Reg. 9823), USEPA added four HFE compounds to the list of chemical species that are exempt from the federal definition of VOC and, accordingly, are exempt from regulation for control of ozone precursors. USEPA further made limited corrections to exemptions in the existing text.

The newly exempted compounds are the following:

(difluoromethoxy)(difluoro)methane<sup>2</sup>

CAS no.: 1691-17-4

chemical formula: CHF<sub>2</sub>OCHF<sub>2</sub>

alternative common names: HFE-134; 1,1,3,3-tetrafluorodimethyl ether; 1,1,1',1'-tetrafluorodimethyl ether; bis(difluoromethyl)ether; (difluoromethoxy)difluoromethane; di(difluoromethyl) ether; bis(difluoromethyl) ether; 1,1'-oxybis(1,1-difluoromethane); oxybis(difluoromethane); tetrafluorodimethyl ether

bis(difluoromethoxy)(difluoro)methane

CAS no.: 78522-47-1

chemical formula: CHF<sub>2</sub>OCF<sub>2</sub>OCHF<sub>2</sub>

alternative common names: HFE-236cal2; bis(difluoromethoxy)difluoromethane

1,2-bis(difluoromethoxy)-1,1,2,2-tetrafluoroethane

CAS no.: 188690-78-0

chemical formula: CHF<sub>2</sub>OCF<sub>2</sub>CF<sub>2</sub>OCHF<sub>2</sub>

alternative name: HFE-338pcc13

1-(difloromethoxy)-2-[(difluoromethoxy)(difluoro)methoxy]-1,1,2,2-tetrafluoroethane

CAS no.: 188690-77-9

chemical formula: CHF<sub>2</sub>OCF<sub>2</sub>OCF<sub>2</sub>CF<sub>2</sub>OCHF<sub>2</sub>

alternative common names: HFE-43-10pccc; 1-(difloromethoxy)-2-[(difluoromethoxy)difluoromethoxy]-1,1,2,2-tetrafluoroethane; H-Galden 1040X;

H-Galden ZT 130; H-Galden ZT 150; or H-Galden ZT 180

USEPA exempted the four HFE compounds, all of which are sold under the trade name H-Galden, based on a 2005 petition of Solvay Solexis, Inc. The compounds can be used as heat transfer agents (secondary-loop refrigerants) and as fire suppressants. In their intended uses, the four compounds would replace ozone-depleting substances. USEPA determined that these

 $^2$  It appears that "1,1,3,3-tetrafluorodimethyl ether" may be an alternative IUPAC name for this compound.

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compounds have photochemical reactivity potentials that are about two orders of magnitude lower than ethane (as factored based on their respective  $k_{OH}$  rate constants). USEPA further determined that the four compounds have low acute toxicity, no irritation or skin sensitization, no detectible genotoxic activity, and low potential for developmental toxicity. USEPA observed that they have an ozone depletion potential of zero due to their lack of chlorine and bromine. USEPA observed that each of the four compounds has relatively high 20-year and 100-year global warming potentials (GWPs), but that they have GWPs which are comparable to or lower than compounds they would replace. 78 Fed. Reg. at 9824-26.

In addition to adopting four new exemptions, USEPA corrected the chemical name "(1) 1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-trifluoromethyl-pentane (HFE-7300)" to "1,1,1,2,2,3,4,5,5,5-decafluoro-3-methoxy-4-trifluoromethyl-pentane (HFE-7300)" and changed several commas to semicolons in the listing of exempt compounds in 40 C.F.R. 51.100(s)(1). *See* 78 Fed. Reg. at 9826.

Any person interested in the substance of the exemption of the four HFPE compounds should refer to the February 12, 2015 *Federal Register* discussion that accompanied the USEPA amendments. Alternatively, interested persons could contact USEPA as directed in the *Federal Register* notice.

The Present Board Action. The Board has incorporated the four new exempt HFE compounds without substantive changes. Nevertheless, the Board found minor revisions to the federal text necessary. The primary revisions involve (1) the naming of the new HFE compounds in the list in Section 211.7150; (2) arranging the HFE compounds in alphabetic order in the list; and (3) not implementing USEPA amendments that are not necessary in Section 211.7150. All of these revisions are itemized and summarily outlined in Table 1, which begins on page 9 of this opinion and order, and Table 2, which begins on page 9Error! Bookmark not defined. No further discussion of many of those changes will appear in this opinion and order.

<u>Naming the Newly Exempted Compounds.</u> USEPA codified the four new exemptions using the compounds' structural formulae and industrial designations. USEPA did not include any of the compounds' chemical name. The literal text of USEPA's additions to the listing of exempted compounds in 40 C.F.R. 51.100(s)(1) was as follows (including the ending semicolon):

HCF<sub>2</sub>OCF<sub>2</sub>H (HFE-134); HCF<sub>2</sub>OCF<sub>2</sub>OHCF<sub>2</sub> (HFE-236cal2); CHF<sub>2</sub>OCF<sub>2</sub>CF<sub>2</sub>-OCHF<sub>2</sub> (HFE-338pcc13); CHF<sub>2</sub>OCF<sub>2</sub>OCF<sub>2</sub>CF<sub>2</sub>OCHF<sub>2</sub> (H-Galden 1040X or H-Galden ZT 130 (or 150 or 180); See 40 C.F.R. 51.100(s)(1) (2013) (including the February 12, 2013 amendments).

The Board used the CAS numbers given for the four compounds in the *Federal Register* (*see* 78 Fed. Reg. at 9825, 9826) to search various websites<sup>3</sup> for the compounds' chemical

<sup>&</sup>lt;sup>3</sup> The websites included the following websites: National Institute of Standards and Technology, Material Measurement Laboratory, Standard Reference Data Program, Data Gateway, Chemistry WebBook, Search for Species by CAS Registry Number (webbook.nist.gov/chemistry/cas-ser.html); cas.ChemNet.com (www.chemnet.com/cas/); Chemical Book (www.chemicalbook.com); Royal Society for Chemistry, Cambridge

names. The Board consulted Table A-1 to subpart A of 40 C.F.R. 98 to obtain the name "HFE-338pcc13" for the compound that USEPA called "CHF<sub>2</sub>OCF<sub>2</sub>OCF<sub>2</sub>CF<sub>2</sub>OCHF<sub>2</sub> (H-Galden 1040X or H-Galden ZT 130 (or 150 or 180)" by its condensed chemical formula. In this way, the Board identified IUPAC<sup>4</sup> names for all of the compounds and common names for three of them.

The Board codified each of the four new exemptions by its IUPAC name. The Board retained the structural formula and the coded common name given by USEPA, with some minor revisions. Principally, the Board revised each condensed structural formula so the hydrogen atoms indicated are placed immediately after the carbon atoms to which they are attached. This is the more conventional format for each moiety of chain compounds. The Board added the coded common name "HFE-338pcc13" for 1,2-bis(difluoromethoxy)-1,1,2,2-tetrafluoroethane. The Board did not add the several common names found and listed above for three of the HFE compounds.

The entries that the Board has made in Section 211.7150 for each compound are summarized as follows:

| USEPA Designation in 40 C.F.R. 51.100  | Board Designation in Section 211.7150   |
|--|---|
| HCF <sub>2</sub> OCF2H<br>(HFE-134)  | (difluoromethoxy)(difluoro)methane<br>(CHF <sub>2</sub> OCHF <sub>2</sub> or HFE-134)   |
| HCF <sub>2</sub> OCF <sub>2</sub> OCF <sub>2</sub> H<br>(HFE–236cal2)  | bis(difluoromethoxy)(difluoro)methane (CHF <sub>2</sub> OCF <sub>2</sub> OCHF <sub>2</sub> or HFE-236cal2)  |
| HCF <sub>2</sub> OCF <sub>2</sub> CF <sub>2</sub> OCF <sub>2</sub> H<br>(HFE–338pcc13)   | 1-(difloromethoxy)-2-[(difluoromethoxy) (difluoro)methoxy]-1,1,2,2-tetrafluoro ethane (CHF <sub>2</sub> OCF <sub>2</sub> OCF <sub>2</sub> CF <sub>2</sub> OCHF <sub>2</sub> or HFE-43-10pccc) |
| HCF <sub>2</sub> OCF <sub>2</sub> OCF <sub>2</sub> CF <sub>2</sub> OCF <sub>2</sub> H<br>(H-Galden 1040x or H-Galden ZT 130 (or 150 or 180)) | 1,2-bis(difluoromethoxy)-1,1,2,2-tetra fluoroethane (CHF <sub>2</sub> OCF <sub>2</sub> CF <sub>2</sub> OCHF <sub>2</sub> or HFE-338pcc13)   |

**Request for Public Comments:** The Board requested comments on the incorporation of the four new February 12, 2013 USEPA exemptions from the definition of VOM. In particular, the Board requested comments on the chemical names added for each of the four compounds. The Board received no comments in response.

<sup>(</sup>RSC), ChemSpider (www.chemspider.com); and Advanced Chemistry Development, Inc., IUPAC Nomenclature of Organic Chemistry (www.acdlabs.com/iupac/nomenclature/).

<sup>&</sup>lt;sup>4</sup> The International Union of Pure and Applied Chemistry.

<sup>&</sup>lt;sup>5</sup> These revisions are itemized in Table 2, which begins on page 10 of this opinion and order.

<u>USEPA Action of August 28, 2013.</u> USEPA adopted a direct final rule<sup>6</sup> on February 15, 2013 (at 78 Fed. Reg. 11101) that added one hydrochlorofluorocarbon (HCFC) compound to the list of compounds exempt from the definition of VOM. That compound was the following:

trans-1-chloro-3,3,3-trifluoroprop-1-ene

CAS no.: 102687-65-0

chemical formula: CF<sub>3</sub>CHCHCl

alternative names: (1E)-1-chloro-3,3,3-trifluoroprop-1-ene; trans-1-chloro-3,3,3-

trifluoropropylene; Solstice 1233zd(E)

USEPA withdrew the rule on April 18, 2013 (at 78 Fed. Reg. 23149) in response to a significant adverse public comment. *See* 78 Fed. Reg. at 23149; 78 Fed. Reg. 11119 (Feb. 15, 2013). On August 28, 2013 (at 78 Fed. Reg. 53029), USEPA adopted the exemption after consideration of the comments submitted.

USEPA exempted trans-1-chloro-3,3,3-trifluoroprop-1-ene, which is sold under the trade name Solstice 1233zd(E), based on a 2011 petition of Honeywell Inc. The compound can be used as an aerosol and non-aerosol solvent; as a blowing agent for insulating foam for refrigerators, freezers, and hot water heaters; and as a refrigerant in commercial chillers and waste heat recovery systems. USEPA determined that the hydroxyl radical reactivity rate ( $k_{OH}$ ) for Solstice is higher than the k<sub>OH</sub> of the benchmark compound, ethane. USEPA determined, however, that the maximum incremental reactivity (MIR) is equivalent to ethane on a molar basis and is about two orders of magnitude lower than the MIR of ethane on a mass basis. In its intended uses, the compound would replace ozone-depleting substances that have both higher and lower k<sub>OH</sub> and MIR values. USEPA further observed that Solstice 1233zd(E) has a very low global warming potential (GWP). USEPA further determined that Solstice 1233zd(E) has similar human health effects as the products for which it will substitute. The most significant include severe eye irritation, skin irritation, and frostbite. USEPA stated that precautions common among use of similar products would limit workplace exposures and address potential health reisks. See 78 Fed. Reg. 53029, 53030-31 (Aug. 28, 2013); 78 Fed. Reg. 11101, 11106 (Feb. 15, 2013).

Any person interested in the substance of the exemption of Solstice 1233zd(E) should refer to the February 15, 2015 and August 28, 2013 *Federal Register* discussions that accompanied the USEPA amendments. Alternatively, interested persons could contact USEPA as directed in the *Federal Register* notice.

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<sup>&</sup>lt;sup>6</sup> A direct final rule is an action taken without prior publication of a notice of proposed amendments in the *Federal Register*. Instead, USEPA delays the effective date of the direct final rule and expressly states in the *Federal Register* notice that (1) the rule will become effective on a future date, without further action by USEPA, unless USEPA expressly withdraws the rule by a *Federal Register* notice that is published before that date; and (2) USEPA will withdraw the rule if it receives significant adverse comment before a stated date that is about 45 days after the date of the *Federal Register* notice adopting the direct final rule. *See*, *e.g.*, 78 Fed. Reg. 11101 (Feb. 15, 2013) (particularly, the "Dates" segment). Simultaneous with the notice of direct final rule, USEPA published a notice of proposed rule in the *Federal Register*. *See*, *e.g.*, 78 Fed. Reg. 11119 (Feb. 15, 2013). Upon receipt of significant adverse comment, USEPA will withdraw the direct final rule, leaving open the option of adoption by a future *Federal Register* notice of final rule. *See*, *e.g.*, 78 Fed. Reg. 23149 (Apr. 18, 2013).

The Present Board Action. The Board has incorporated the new exempt HCFC compound without substantive changes. Nevertheless, the Board found minor revisions to the federal text necessary. The primary revisions involve (1) the naming of the new HCFC compound in the list in Section 211.7150; and (2) arranging the compound in alphabetic order in the list. As to naming, the Board observes that USEPA omitted the hyphen that should follow the structural prefix "trans." The chemical name should have appeared as "trans-1-chloro-3,3,3-trifluoroprop-1-ene." The Board made this correction. These revisions are itemized and summarily outlined in Table 2, which begins on page 9Error! Bookmark not defined. No further discussion relative to alphabetization will appear in this opinion and order.

#### <u>Deviations from the Literal Text of the Federal Amendments</u> and Non-Federally Derived Corrections and Clarifications

The Board routinely examines federal amendments and the base text of rules open for amendments to find any areas that need correction or clarification. JCAR and the Office of the Secretary of State also routinely examine the text and suggest corrections and clarifications. Sometimes suggestions arise from the Illinois Environmental Protection Agency, USEPA, or members of the regulated community. The Board often makes revisions as a result.

The revisions thus made are not directly derived from federal amendments. The Board is ever mindful of the limited discretion authorized in the context of an identical-in-substance proceeding. The Board is limited to "those changes that are necessary for compliance with the Illinois Administrative Code," "technical changes that in no way change the scope or meaning of any portion of the regulations," and "apparent typographical and grammatical errors." *See* 415 ILCS 5/7.2(a) and (a)(7) (2012). Thus, the Board will only make minor, non-substantive corrections and clarifications in this context. These corrections are non-substantive in effect.

Tables follow that document the corrections and clarifications made in this proceeding. The first lists the deviation from the literal text of the USEPA amendments involved in this proceeding. The second lists the correction made in this docket that was not prompted by federal amendments.

#### <u>Tabulations of Deviations from the Literal Text of the Federal Amendments</u> <u>and Miscellaneous Board Housekeeping Amendments</u>

The tables below list numerous corrections and amendments that are not based on current federal amendments. Table 1 lists a number of federal amendments that the Board has not included in this docket. Table 1 gives a brief explanation why the Board has declined to make each. Table 2 includes deviations made in this proposal for public comment from the verbatim text of the federal amendments. Table 3 contains corrections and clarifications that the Board made in the base text involved in this proposal. The amendments listed in Table 3 are not directly derived from the current federal amendments. Some of the entries in these tables are discussed further in appropriate segments of the general discussion beginning at page 4 of this opinion. Table 4 is a listing of revisions made to the text of the amendments from that proposed and set forth in the Board's opinion and order of September 5, 2013. Table 4 indicates the changes made, as well as the source that suggested each of the changes. Table 5 indicates

suggested revisions that the Board has not made in adopting these amendments. Each entry gives a brief explanation why the Board did not incorporate the suggested change.

Table 1: Federal Amendments That Are Not Necessary in This Docket

| Provision Citations<br>40 C.F.R./<br>35 Ill. Adm. Code | USEPA Amendment/ Explanation Why Not Made in This Docket  |
|--|---|
| 50.100(s)(1)/<br>211.7150                              | Change the commas after "methyl acrylate," "1,1,1,2,2,3,3-heptafluoro-3-methoxypropane (n-C3F7OCH3, HFE–7000)," "3-ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl) hexane (HFE–7500)," 1,1,1,2,3,3,3-heptafluoropropane (HFC 227ea)," and "methyl formate (HCOOCH3)" to semicolons./ The structure of the corresponding Illinois provision, which lists each exempt compound on a separate line, does not require the use of punctuation to separate entries. |
| 50.100(s)(1)/<br>211.7150                              | Add a hard hyphen to change "1,1,1,2,2,3,3-heptafluoro-3-methoxypropane" to "1,1,1,2,2,3,3-heptafluoro-3-methoxypropane."/ The soft hyphen is appropriate, as the hyphen is not necessary unless the methoxy moiety appears at the end of a line and a line break is necessary or desirable.  |

Table 2: Deviations from the Text of the Federal Amendments

| Illinois Section   | 40 C.F.R. Section   | Revision(s)   |
|--|---|---|
| 211.2170, "bis(difluoro methoxy)(difluoro) methane"                        | 50.100(s)(1),<br>"HCF <sub>2</sub> OCF <sub>2</sub> OCF <sub>2</sub> H"                 | Added the chemical name "bis(difluoro methoxy)(difluoro)methane"; changed "HCF <sub>2</sub> OCF <sub>2</sub> OHCF <sub>2</sub> " to "CHF <sub>2</sub> OCF <sub>2</sub> -OCHF <sub>2</sub> " and moved it into the parentheses; added the conjunction "or"; moved the listing into alphabetic order.                               |
| 211.2170, "1,2-bis<br>(difluoromethoxy)-<br>1,1,2,2-tetrafluoro<br>ethane" | 50.100(s)(1),<br>"HCF <sub>2</sub> OCF <sub>2</sub> CF <sub>2</sub> OCF <sub>2</sub> H" | Added the chemical name "1,2-bis (difluoromethoxy)-1,1,2,2-tetrafluoro ethane"; changed "CHF <sub>2</sub> OCF <sub>2</sub> CF <sub>2</sub> -OCHF <sub>2</sub> " to "CHF <sub>2</sub> OCF <sub>2</sub> OCHF <sub>2</sub> " and moved it into the parentheses; added the conjunction "or"; moved the listing into alphabetic order. |

| 211.2170, "trans-1-chloro-3,3,3-trifluoro-prop-1-ene"   | 50.100(s)(1), "trans 1-chloro-3,3,3-trifluoro-prop-1-ene"   | Corrected the spelling "trans 1-chloro-3,3,3-trifluoroprop-1-ene" to "trans-1-chloro-3,3,3-trifluoroprop-1-ene"; moved the listing into alphabetic order.  |
|---|---|--|
| 211.2170, "(difluoro methoxy)(difluoro) methane"  | 50.100(s)(1),<br>"HCF <sub>2</sub> OCF <sub>2</sub> H"  | Added the chemical name "(difluoro methoxy)(difluoro)methane"; changed "HCF <sub>2</sub> OCF <sub>2</sub> OCF <sub>2</sub> H" to "CHF <sub>2</sub> OCHF <sub>2</sub> " and moved it into the parentheses; added the conjunction "or"; moved the listing into alphabetic order.   |
| 211.2170, "1-(difloro methoxy)-2-[(difluoro methoxy)(difluoro) methoxy]-1,1,2,2-tetra fluoroethane" | 50.100(s)(1),<br>"HCF <sub>2</sub> OCF <sub>2</sub> OCF <sub>2</sub> CF <sub>2</sub> O-<br>CF <sub>2</sub> H" | Added the chemical name "1-(difloro methoxy)-2-[(difluoromethoxy) (difluoro)methoxy]-1,1,2,2-tetrafluoro ethane"; changed "HCF <sub>2</sub> OCF <sub>2</sub> OCF <sub>2</sub> -CF <sub>2</sub> OCF <sub>2</sub> H" to "CHF <sub>2</sub> OCF <sub>2</sub> OCF <sub>2</sub> -CF <sub>2</sub> OCHF <sub>2</sub> " and moved it into the parentheses; added the conjunction "or"; moved the listing into alphabetic order. |

Table 3: Board Housekeeping Amendments

| Section  | Source | Revision(s)   |
|--|--------|---|
| 211.7150(a), "2-chloro-1,1,1,2-tetra-fluoroethane"   | Board  | Moved the entry into correct alphabetic order.  |
| 211.7150(a), 2-(difluoromethoxy-methyl)-1,1,1,2, 3,3,3-heptafluoro-propane                               | Board  | Corrected "(CF3)2CFCF2OCH3" to "(CF <sub>3</sub> ) <sub>2</sub> CFCF <sub>2</sub> OCH <sub>3.</sub> " |
| 211.7150(a), "3-<br>ethoxy-1,1,1,2,3,4,4,<br>5,5,6,6,6-dodeca-<br>fluoro-2-(trifluoro-<br>methyl)hexane" | Board  | Moved the entry into correct alphabetic order.  |
| 211.7150(a), "ethylfluoride"   | Board  | Moved the entry into correct alphabetic order.  |

| 211.7150(a), "2-<br>(ethoxydifluoro-<br>methyl)-1,1,1,2,3,<br>3,3-heptafluoro-<br>propane" | Board | Corrected the condensed structural formula "((CF3)2CFCF2OC2H5)" to "((CF <sub>3</sub> ) <sub>2</sub> CFCF <sub>2</sub> OC <sub>2</sub> H <sub>5</sub> )."                            |
|--|-------|--|
| 211.7150(a), "1-<br>ethoxy-<br>1,1,2,2,3,3,4,4,4-<br>nonafluorobutane"                     | Board | Corrected the condensed structural formula "C4F9OC2H5" to "C <sub>4</sub> F <sub>9</sub> OC <sub>2</sub> H <sub>5</sub> ."   |
| 211.7150(a), "methyl formate"  | Board | Corrected the condensed structural formula "HCOOCH3" to "CHOOCH <sub>3</sub> ."  |
| 211.7150(a),<br>"1,1,1,2,2,3,3,4,4-<br>Nonafluoro-4-<br>methoxybutane"                     | Board | Corrected the condensed structural formula "C4F9OCH3" to "C <sub>4</sub> F <sub>9</sub> OCH <sub>3</sub> ."  |
| 211.7150(b)  | JCAR  | Changed capitalized "Appendix A" to lower-case "appendix A"; changed capitalized "Subpart I" to lower-case "subpart I"; changed capitalized "Appendix S" to lower-case "appendix S." |

<u>Table 4:</u>
Revisions to the Text of the Proposed Amendments in Final Adoption

| Section   | Source | Revision(s)  |
|---|--------|--|
| 211.7150(a), 2-<br>(difluorometh-<br>oxymethyl)-<br>1,1,1,2,3,3,3-<br>heptafluoro-<br>propane | Board  | Corrected "(CF3)2CFCF2OCH3" to "(CF3)2CFCF2OCH3."  |
| 211.7150(b)   | JCAR   | Changed capitalized "Appendix A" to lower-case "appendix A"; changed capitalized "Subpart I" to lower-case "subpart I"; changed capitalized "Appendix S" to lower-case "appendix S." |

Table 5:
Requested Revisions to the Text of the Proposed Amendments Not Made in
Final Adoption

| Section Affected  | Source of Request: Requested Revision   | Explanation  |
|---|---|--|
| 211.7150, 1-eth-<br>oxy-1,1,2,2,3,3,<br>4,4,4-nona-<br>fluorobutane | JCAR: Omit the overstruck "C4F9OC2H5" and the underlining from "C <sub>4</sub> F <sub>9</sub> OC <sub>2</sub> H <sub>5</sub> ." | The correction from C4F9OC2H5" to "C <sub>4</sub> F <sub>9</sub> OC <sub>2</sub> H <sub>5</sub> " requires the format proposed by the Board. |
| 211.7150, 1,1,1,<br>2,2,3,3-hepta-<br>fluoro-3-meth-<br>oxypropane  | JCAR: Omit the overstruck "n-C3F7OCH3" and the underlining from "n-C <sub>3</sub> F <sub>7</sub> OCH <sub>3</sub> ."            | The correction from "n-C3F7OCH3" to "n-C <sub>3</sub> F <sub>7</sub> OCH <sub>3</sub> " requires the format proposed by the Board.           |
| 211.7150,<br>methyl formate   | JCAR: Change the formula "CHOOCH3" overstruck for deletion to "CHOOCH <sub>3</sub> ."   | The existing text that is deleted has the formula without subscript: "CHOOCH3."  |
| 211.7150, 1,1,1,<br>2,2,3,3,4,4-<br>nonafluoro-4-<br>methoxybutane  | JCAR: Omit the overstruck "C4F9OCH3" and the underlining from "C <sub>4</sub> F <sub>9</sub> OCH <sub>3</sub> ."                | The correction from "C4F9OCH3" to "C <sub>4</sub> F <sub>9</sub> OCH <sub>3</sub> " requires the format proposed by the Board.               |

# HISTORICAL SUMMARY OF THE FEDERAL RECOMMENDED POLICY ON THE CONTROL OF VOLATILE ORGANIC COMPOUNDS AND ITS IMPLEMENTATION IN ILLINOIS

The Board traditionally included historical summaries of the State and federal definitions of VOM in each opinion and order. That summary traces the evolution of the federal *Recommended Policy on the Control of Volatile Organic Compounds*; USEPA's codification of the policy as a definition in 40 C.F.R. 51.100(s); subsequent amendments of 40 C.F.R. 51.100(s); the several dockets that the Board has reserved to accommodate federal amendments, including indication of the several amendments to the definition of VOM that the Board has made based on USEPA's actions.

In a break from past tradition, the Board no longer includes the lengthy summaries in opinions and orders relating to the definition of VOM. The Board maintains an updated version of the historical summaries on the Board's website: www.ipcb.state.il.us. Persons wishing to review the historical summaries of the federal and State exemptions from the definitions of VOM must consult the Board's website or Board staff to do so.

#### **ORDER**

The Board directs the Clerk to promptly file the adopted amendments with the Office of the Secretary of State and provide notice in the *Illinois Register* of the following adopted amendments to the definition of VOM at 35 Ill. Adm. Code 211.7150:

# TITLE 35: ENVIRONMENTAL PROTECTION SUBTITLE B: AIR POLLUTION CHAPTER I: POLLUTION CONTROL BOARD SUBCHAPTER c: EMISSION STANDARDS AND LIMITATIONS FOR STATIONARY SOURCES

### PART 211 DEFINITIONS AND GENERAL PROVISIONS

#### SUBPART A: GENERAL PROVISIONS

|         | SUBPART A. GENERAL PROVISION                  |
|---------|---|
| Section |   |
| 211.101 | Incorporated and Referenced Materials         |
| 211.102 | Abbreviations and Conversion Factors          |
|         |   |
| ~ .     | SUBPART B: DEFINITIONS                        |
| Section |   |
| 211.121 | Other Definitions                             |
| 211.122 | Definitions (Repealed)                        |
| 211.130 | Accelacota                                    |
| 211.150 | Accumulator                                   |
| 211.170 | Acid Gases                                    |
| 211.200 | Acrylonitrile Butadiene Styrene (ABS) Welding |
| 211.210 | Actual Heat Input                             |
| 211.230 | Adhesive                                      |
| 211.233 | Adhesion Primer                               |
| 211.235 | Adhesive Primer                               |
| 211.240 | Adhesion Promoter                             |
| 211.250 | Aeration                                      |
| 211.260 | Aerosol Adhesive and Adhesive Primer          |
| 211.270 | Aerosol Can Filling Line                      |
| 211.290 | Afterburner                                   |
| 211.310 | Air Contaminant                               |
| 211.330 | Air Dried Coatings                            |
| 211.350 | Air Oxidation Process                         |
| 211.370 | Air Pollutant                                 |
| 211.390 | Air Pollution                                 |
| 211.410 | Air Pollution Control Equipment               |
| 211.430 | Air Suspension Coater/Dryer                   |
| 211.450 | Airless Spray                                 |
| 211.470 | Air Assisted Airless Spray                    |
| 211.474 | Alcohol                                       |
|         | · · · · · <del>·</del>                        |

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|---------|--|
| 211.479 | Allowance  |
| 211.481 | Ammunition Sealant   |
| 211.484 | Animal   |
| 211.485 | Animal Pathological Waste  |
| 211.490 | Annual Grain Through-Put   |
| 211.492 | Antifoulant Coating  |
| 211.493 | Antifouling Sealer/Tie Coat  |
| 211.495 | Anti-Glare/Safety Coating  |
| 211.510 | Application Area   |
| 211.530 | Architectural Coating  |
| 211.540 | Architectural Structure  |
| 211.550 | As Applied   |
| 211.560 | As-Applied Fountain Solution   |
| 211.570 | Asphalt  |
| 211.590 | Asphalt Prime Coat   |
| 211.610 | Automobile   |
| 211.630 | Automobile or Light-Duty Truck Assembly Source or Automobile or Light-Duty |
|         | Truck Manufacturing Plant  |
| 211.650 | Automobile or Light-Duty Truck Refinishing                                 |
| 211.660 | Automotive/Transportation Plastic Parts                                    |
| 211.665 | Auxiliary Boiler   |
| 211.670 | Baked Coatings   |
| 211.680 | Bakery Oven  |
| 211.685 | Basecoat/Clearcoat System  |
| 211.690 | Batch Loading  |
| 211.695 | Batch Operation  |
| 211.696 | Batch Process Train  |
| 211.710 | Bead-Dipping   |
| 211.715 | Bedliner   |
| 211.730 | Binders  |
| 211.735 | Black Coating  |
| 211.740 | Brakehorsepower (rated-bhp)  |
| 211.750 | British Thermal Unit   |
| 211.770 | Brush or Wipe Coating  |
| 211.790 | Bulk Gasoline Plant  |
| 211.810 | Bulk Gasoline Terminal   |
| 211.820 | Business Machine Plastic Parts   |
| 211.825 | Camouflage Coating   |
| 211.830 | Can  |
| 211.850 | Can Coating  |
| 211.870 | Can Coating Line   |
| 211.880 | Cap Sealant  |
| 211.890 | Capture  |
| 211.910 | Capture Device   |
| 211.930 | Capture Efficiency   |
| 211.950 | Capture System   |
|         | 1  |

| 211.953  | Carbon Adsorber                                |
|----------|--|
| 211.954  | Cavity Wax                                     |
| 211.955  | Cement   |
| 211.960  | Cement Kiln                                    |
| 211.965  | Ceramic Tile Installation Adhesive             |
| 211.970  | Certified Investigation                        |
| 211.980  | Chemical Manufacturing Process Unit            |
| 211.990  | Choke Loading                                  |
| 211.995  | Circulating Fluidized Bed Combustor            |
| 211.1000 | Class II Finish                                |
| 211.1010 | Clean Air Act                                  |
| 211.1050 | Cleaning and Separating Operation              |
| 211.1070 | Cleaning Materials                             |
| 211.1090 | Clear Coating                                  |
| 211.1110 | Clear Topcoat                                  |
| 211.1120 | Clinker  |
| 211.1128 | Closed Molding                                 |
| 211.1130 | Closed Purge System                            |
| 211.1150 | Closed Vent System                             |
| 211.1170 | Coal Refuse                                    |
| 211.1190 | Coating  |
| 211.1210 | Coating Applicator                             |
| 211.1230 | Coating Line                                   |
| 211.1250 | Coating Plant                                  |
| 211.1270 | Coil Coating                                   |
| 211.1290 | Coil Coating Line                              |
| 211.1310 | Cold Cleaning                                  |
| 211.1312 | Combined Cycle System                          |
| 211.1315 | Combustion Tuning                              |
| 211.1316 | Combustion Turbine                             |
| 211.1320 | Commence Commercial Operation                  |
| 211.1324 | Commence Operation                             |
| 211.1328 | Common Stack                                   |
| 211.1330 | Complete Combustion                            |
| 211.1350 | Component                                      |
| 211.1370 | Concrete Curing Compounds                      |
| 211.1390 | Concentrated Nitric Acid Manufacturing Process |
| 211.1410 | Condensate                                     |
| 211.1430 | Condensible PM-10                              |
| 211.1435 | Container Glass                                |
| 211.1455 | Contact Adhesive                               |
| 211.1465 | Continuous Automatic Stoking                   |
| 211.1467 | Continuous Coater                              |
| 211.1470 | Continuous Process                             |
| 211.1490 | Control Device                                 |
| 211.1510 | Control Device Efficiency                      |
|          | · · · · · · · · · · · · · · ·                  |

| 011 1515 |   |
|----------|---|
| 211.1515 | Control Period  |
| 211.1520 | Conventional Air Spray  |
| 211.1530 | Conventional Soybean Crushing Source  |
| 211.1550 | Conveyorized Degreasing   |
| 211.1560 | Cove Base   |
| 211.1565 | Cove Base Installation Adhesive   |
| 211.1570 | Crude Oil   |
| 211.1590 | Crude Oil Gathering   |
| 211.1610 | Crushing  |
| 211.1630 | Custody Transfer  |
| 211.1650 | Cutback Asphalt   |
| 211.1655 | Cyanoacrylate Adhesive  |
| 211.1670 | Daily-Weighted Average VOM Content  |
| 211.1690 | Day   |
| 211.1700 | Deadener  |
| 211.1710 | Degreaser   |
| 211.1730 | Delivery Vessel   |
| 211.1740 | Diesel Engine   |
| 211.1745 | Digital Printing  |
| 211.1750 | Dip Coating   |
| 211.1770 | Distillate Fuel Oil   |
| 211.1780 | Distillation Unit   |
| 211.1790 | Drum  |
| 211.1810 | Dry Cleaning Operation or Dry Cleaning Facility                               |
| 211.1830 | Dump-Pit Area   |
| 211.1850 | Effective Grate Area  |
| 211.1870 | Effluent Water Separator  |
| 211.1872 | Ejection Cartridge Sealant  |
| 211.1875 | Elastomeric Materials   |
| 211.1876 | Electric Dissipating Coating  |
| 211.1877 | Electric-Insulating Varnish   |
| 211.1878 | Electrical Apparatus Component  |
| 211.1880 | Electrical Switchgear Compartment Coating                                     |
| 211.1882 | Electrodeposition Primer (EDP)  |
| 211.1883 | Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Shielding |
|          | Coatings  |
| 211.1885 | Electronic Component  |
| 211.1890 | Electrostatic Bell or Disc Spray  |
| 211.1900 | Electrostatic Prep Coat   |
| 211.1910 | Electrostatic Spray   |
| 211.1920 | Emergency or Standby Unit   |
| 211.1930 | Emission Rate   |
| 211.1950 | Emission Unit   |
| 211.1970 | Enamel  |
| 211.1990 | Enclose   |
| 211.2010 | End Sealing Compound Coat   |
|          |   |

| 211.2030 | Enhanced Under-the-Cup Fill                                      |
|----------|--|
| 211.2040 | Etching Filler   |
| 211.2050 | Ethanol Blend Gasoline   |
| 211.2055 | Ethylene Propylenediene Monomer (DPDM) Roof Membrane             |
| 211.2070 | Excess Air   |
| 211.2080 | Excess Emissions   |
| 211.2090 | Excessive Release  |
| 211.2110 | Existing Grain-Drying Operation (Repealed)                       |
| 211.2130 | Existing Grain-Handling Operation (Repealed)                     |
| 211.2150 | Exterior Base Coat   |
| 211.2170 | Exterior End Coat  |
| 211.2190 | External Floating Roof   |
| 211.2200 | Extreme High-Gloss Coating                                       |
| 211.2210 | Extreme Performance Coating                                      |
| 211.2230 | Fabric Coating   |
| 211.2250 | Fabric Coating Line  |
| 211.2270 | Federally Enforceable Limitations and Conditions                 |
| 211.2285 | Feed Mill  |
| 211.2290 | Fermentation Time  |
| 211.2300 | Fill   |
| 211.2310 | Final Repair Coat  |
| 211.2320 | Finish Primer Surfacer   |
| 211.2330 | Firebox  |
| 211.2350 | Fixed-Roof Tank  |
| 211.2355 | Flare  |
| 211.2357 | Flat Glass   |
| 211.2358 | Flat Wood Paneling   |
| 211.2359 | Flat Wood Paneling Coating Line                                  |
| 211.2360 | Flexible Coating   |
| 211.2365 | Flexible Operation Unit  |
| 211.2368 | Flexible Packaging   |
| 211.2369 | Flexible Vinyl   |
| 211.2370 | Flexographic Printing  |
| 211.2390 | Flexographic Printing Line                                       |
| 211.2410 | Floating Roof  |
| 211.2415 | Fog Coat   |
| 211.2420 | Fossil Fuel  |
| 211.2425 | Fossil Fuel-Fired  |
| 211.2430 | Fountain Solution  |
| 211.2450 | Freeboard Height   |
| 211.2470 | Fuel Combustion Emission Unit or Fuel Combustion Emission Source |
| 211.2490 | Fugitive Particulate Matter                                      |
| 211.2510 | Full Operating Flowrate  |
| 211.2525 | Gasket/Gasket Sealing Material                                   |
| 211.2530 | Gas Service  |
| 211.2550 | Gas/Gas Method   |
|          |  |

| 211.2570 Gasoline Dispensing Operation or Gasoline Dispensing Facility 211.2615 General Work Surface 211.2626 Generator 211.2625 Glass Melting Furnace 211.2626 Glass Melting Furnace 211.2630 Gloss Reducers 211.2650 Grain 211.2670 Grain-Drying Operation 211.2690 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2770 Green-Tire Spraying 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2810 Heated Airless Spray 211.2811 Heat Input 211.2820 Heat Input Rate 211.2820 Heatset Web Letterpress Printing Line 211.2830 Heatset Web Coffset Lithographic Printing Line 211.2870 Heavy Liquid 211.2870 Heavy Off-Highway Vehicle Products 211.2870 Heavy Off-Highway Vehicle Products Coating 211.2901 Heavy Off-Highway Vehicle Products Coating 211.2955 High Bake Coating 211.2956 High Gloss Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2991 High Temperature Coating 211.2951 High Temperature Coating 211.2951 High Temperature Coating 211.2956 High Temperature Coating 211.2957 High Temperature Coating 211.2968 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2991 High Temperature Coating 211.2990 High Temperature Coating 211.3000 Indirect Heat Transfer 211.3010 Industrial Boiler 211.3100 Industrial Boiler 211.3110 Ink 211.3110 Ink |          |   |
|--|----------|---|
| 211.2615 General Work Surface 211.2625 Generator 211.2625 Glass Bonding Primer 211.2630 Gloss Reducers 211.2630 Grain-Drying Operation 211.2670 Grain-Drying Operation 211.2710 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2750 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2810 Hardwood Plywood 211.2810 Heated Airless Spray 211.2820 Heat Input 211.2820 Heat Input Rate 211.2820 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Metals 211.2890 Heavy Metals 211.2990 Heavy Off-Highway Vehicle Products 211.2910 Heavy Off-Highway Vehicle Products Coating 211.2955 High Gloss Coating 211.2956 High Bake Coating 211.2956 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2961 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2990 High Temperature Aluminum Coating 211.2990 High Temperature Aluminum Coating 211.2990 High Temperature Coating 211.2991 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2991 High Temperature Coating 211.2990 High Temperature Coating 211.3010 Hood 211.3030 Hot Well 211.3010 Industrial Boiler 211.3110 Ink   |          |   |
| 211.2615 General Work Surface 211.2620 Generator 211.2625 Glass Bonding Primer 211.2630 Gloss Reducers 211.2630 Gloss Reducers 211.2670 Grain 211.2670 Grain-Drying Operation 211.2670 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2750 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2820 Heat Input Rate 211.2825 Heat Input Rate 211.2826 Heat-Resistant Coating 211.2830 Heatset Web Letterpress Printing Line 211.2840 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Off-Highway Vehicle Products 211.2910 Heavy Off-Highway Vehicle Products Coating 211.2910 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2951 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2970 High Temperature Aluminum Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.3010 Hood 211.300 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink   | 211.2590 |   |
| 211.2620 Generator 211.2625 Glass Bonding Primer 211.2630 Gloss Reducers 211.2630 Gloss Reducers 211.2670 Grain 211.2670 Grain-Drying Operation 211.2690 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2810 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Metals 211.2910 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2956 High Baike Coating 211.2956 High Build Primer Surfacer 211.2966 High-Performance Architectural Coating 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Aluminum Coating 211.2990 High Temperature Aluminum Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.3010 Hood 211.3000 Indirect Heat Transfer 211.3000 Indirect Heat Transfer 211.3000 Industrial Boiler 211.3110 Ink  | 211.2610 |   |
| 211.2622 Glass Bonding Primer 211.2630 Glass Melting Furnace 211.2650 Grain 211.2670 Grain-Drying Operation 211.2690 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Gross Heating Value 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2811 Heat Input 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset Web Letterpress Printing Line 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Metals 211.290 Heavy Off-Highway Vehicle Products 211.2910 Heavy Off-Highway Vehicle Products Coating 211.2930 Heavy Off-Highway Vehicle Products Coating High Build Primer Surfacer 211.2956 High Build Primer Surfacer 211.2956 High Build Primer Surfacer 211.2960 High-Performance Architectural Coating 211.2961 High Temperature Aluminum Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.3010 Hood 211.3000 Indirect Heat Transfer 211.3001 Industrial Boiler 211.3110 Ink  | 211.2615 | General Work Surface                            |
| 211.2625 Glass Melting Furnace 211.2630 Gloss Reducers 211.2670 Grain 211.2670 Grain-Drying Operation 211.2690 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2825 Heat-Resistant Coating 211.2830 Heatset Web Letterpress Printing Line 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Metals 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2950 High Bake Coating 211.2951 High Bake Coating 211.2956 High Build Primer Surfacer 211.2957 High Precision Optic 211.2960 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Aluminum Coating 211.2990 High Temperature Aluminum Coating 211.3010 Hood 211.300 Indirect Heat Transfer 211.300 Indirect Heat Transfer 211.300 Indirect Heat Transfer 211.300 Industrial Boiler 211.3110 Ink   | 211.2620 | Generator                                       |
| 211.2630 Grain 211.2670 Grain-Drying Operation 211.2690 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2821 Heat Input 211.2822 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Letterpress Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2910 Heavy Off-Highway Vehicle Products Coating 211.2951 High Bake Coating 211.2955 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2959 High-Performance Architectural Coating 211.2960 High-Performance Architectural Coating 211.2990 High Temperature Aluminum Coating 211.2990 High Temperature Coating 211.3000 Hot Well 211.3000 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3110 Ink   | 211.2622 | Glass Bonding Primer                            |
| 211.2650 Grain 211.2670 Grain-Drying Operation 211.2690 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2820 Heat-Resistant Coating 211.2830 Heatset 211.2830 Heatset Web Letterpress Printing Line 211.2830 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2870 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2910 Heavy Off-Highway Vehicle Products Coating 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2950 High-Performance Architectural Coating 211.2960 High-Performance Architectural Coating 211.2970 High Temperature Aluminum Coating 211.2990 High Periosion Optic 211.2990 High Temperature Coating 211.3010 Hood 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3091 Indoor Floor Covering Installation Adhesive 211.3110 Ink   | 211.2625 | Glass Melting Furnace                           |
| 211.2670 Grain-Drying Operation 211.2690 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2811 Heated Airless Spray 211.2825 Heat Input 211.2826 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2870 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2951 High Bake Coating 211.2956 High Build Primer Surfacer 211.2957 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2970 High Temperature Aluminum Coating 211.2980 High Precision Optic 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3091 Indivertial Boiler 211.3110 Ink  | 211.2630 | Gloss Reducers                                  |
| 211.2690 Grain-Handling and Conditioning Operation 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2951 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2970 High Temperature Aluminum Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3110 Ink   | 211.2650 | Grain   |
| 211.2710 Grain-Handling Operation 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2811 Heated Airless Spray 211.2812 Heat Input 211.2820 Heat Input Rate 211.2821 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2956 High Precision Optic 211.2960 High-Performance Architectural Coating 211.2960 High Temperature Coating 211.2970 High Temperature Coating 211.2980 High Temperature Coating 211.2990 High Temperature Coating 211.2900 High Temperature Coating 211.3010 Hood 211.3030 Hot Well 211.3050 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3110 Ink   | 211.2670 | Grain-Drying Operation                          |
| 211.2730 Green-Tire Spraying 211.2750 Green Tires 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2820 Heatset Web Letterpress Printing Line 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heavy Liquid 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2951 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2970 High Temperature Aluminum Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3030 Incinerator 211.3090 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3100 Industrial Boiler 211.3110 Ink  | 211.2690 | Grain-Handling and Conditioning Operation       |
| 211.2750 Green Tires 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2951 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Temperature Coating 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3090 Indirect Heat Transfer 211.3090 Industrial Boiler 211.3110 Ink   | 211.2710 | Grain-Handling Operation                        |
| 211.2770 Gross Heating Value 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2820 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2950 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2960 High Temperature Aluminum Coating 211.2970 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink  | 211.2730 | Green-Tire Spraying                             |
| 211.2790 Gross Vehicle Weight Rating 211.2800 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2951 High Bake Coating 211.2955 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2959 High-Performance Architectural Coating 211.2960 High-Performance Architectural Coating 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink   | 211.2750 | Green Tires                                     |
| 211.2810 Hardwood Plywood 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2951 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2961 High Temperature Aluminum Coating 211.2970 High Temperature Coating 211.2990 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Incinerator 211.3090 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3110 Ink  | 211.2770 | Gross Heating Value                             |
| 211.2810 Heated Airless Spray 211.2815 Heat Input 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heavy Liquid 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2961 High Temperature Aluminum Coating 211.2970 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Incinerator 211.3090 Indirect Heat Transfer 211.3090 Indirect Heat Transfer 211.3110 Ink  | 211.2790 | Gross Vehicle Weight Rating                     |
| 211.2815 Heat Input 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2961 High Temperature Aluminum Coating 211.2970 High Temperature Coating 211.2980 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink   | 211.2800 | Hardwood Plywood                                |
| 211.2820 Heat Input Rate 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating 211.2951 High Bake Coating 211.2952 High Build Primer Surfacer 211.2953 High Gloss Coating 211.2954 High-Performance Architectural Coating 211.2955 High Precision Optic 211.2960 High-Performance Architectural Coating 211.2961 High Temperature Aluminum Coating 211.2970 High Temperature Coating 211.2980 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink  | 211.2810 | Heated Airless Spray                            |
| 211.2825 Heat-Resistant Coating 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Temperature Aluminum Coating 211.2970 High Temperature Coating 211.2980 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink  | 211.2815 | Heat Input                                      |
| 211.2830 Heatset 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Temperature Aluminum Coating 211.2970 High Temperature Coating 211.2980 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink  | 211.2820 | Heat Input Rate                                 |
| 211.2840 Heatset Web Letterpress Printing Line 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.2825 | Heat-Resistant Coating                          |
| 211.2850 Heatset Web Offset Lithographic Printing Line 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110   | 211.2830 | Heatset   |
| 211.2870 Heavy Liquid 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Temperature Aluminum Coating 211.2970 High Temperature Coating 211.2980 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.2840 | Heatset Web Letterpress Printing Line           |
| 211.2890 Heavy Metals 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.2850 | Heatset Web Offset Lithographic Printing Line   |
| 211.2910 Heavy Off-Highway Vehicle Products 211.2930 Heavy Off-Highway Vehicle Products Coating 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink   | 211.2870 | Heavy Liquid                                    |
| Heavy Off-Highway Vehicle Products Coating Heavy Off-Highway Vehicle Products Coating Line High Bake Coating High Build Primer Surfacer High Gloss Coating High-Performance Architectural Coating High Precision Optic High Temperature Aluminum Coating High Temperature Coating High Volume Low Pressure (HVLP) Spray Hood Hood Hood Housekeeping Practices Incinerator Indirect Heat Transfer Indoor Floor Covering Installation Adhesive Industrial Boiler Ink   | 211.2890 | Heavy Metals                                    |
| 211.2950 Heavy Off-Highway Vehicle Products Coating Line 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.2910 | Heavy Off-Highway Vehicle Products              |
| 211.2955 High Bake Coating 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3110 Ink  | 211.2930 | Heavy Off-Highway Vehicle Products Coating      |
| 211.2956 High Build Primer Surfacer 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.2950 | Heavy Off-Highway Vehicle Products Coating Line |
| 211.2958 High Gloss Coating 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.2955 | High Bake Coating                               |
| 211.2960 High-Performance Architectural Coating 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Ink   | 211.2956 | High Build Primer Surfacer                      |
| 211.2965 High Precision Optic 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Ink   | 211.2958 | High Gloss Coating                              |
| 211.2970 High Temperature Aluminum Coating 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Ink   | 211.2960 | High-Performance Architectural Coating          |
| 211.2980 High Temperature Coating 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Ink  | 211.2965 | High Precision Optic                            |
| 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Ink  | 211.2970 | High Temperature Aluminum Coating               |
| 211.2990 High Volume Low Pressure (HVLP) Spray 211.3010 Hood 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Ink  | 211.2980 | High Temperature Coating                        |
| 211.3030 Hot Well 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.2990 | High Volume Low Pressure (HVLP) Spray           |
| 211.3050 Housekeeping Practices 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.3010 | Hood  |
| 211.3070 Incinerator 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink  | 211.3030 | Hot Well  |
| 211.3090 Indirect Heat Transfer 211.3095 Indoor Floor Covering Installation Adhesive 211.3100 Industrial Boiler 211.3110 Ink   | 211.3050 | Housekeeping Practices                          |
| <ul> <li>211.3095 Indoor Floor Covering Installation Adhesive</li> <li>211.3100 Industrial Boiler</li> <li>211.3110 Ink</li> </ul>   | 211.3070 | Incinerator                                     |
| 211.3100 Industrial Boiler<br>211.3110 Ink   | 211.3090 | Indirect Heat Transfer                          |
| 211.3110 Ink   | 211.3095 | Indoor Floor Covering Installation Adhesive     |
|  | 211.3100 | Industrial Boiler                               |
| 211.3120 In-Line Repair  | 211.3110 | Ink   |
| <u> -</u>  | 211.3120 | In-Line Repair                                  |

| 211.3130 | In-Process Tank               |
|----------|-------------------------------|
| 211.3150 | In-Situ Sampling Systems      |
| 211.3170 | Interior Body Spray Coat      |
| 211.3190 | Internal-Floating Roof        |
| 211.3210 | Internal Transferring Area    |
| 211.3215 | Janitorial Cleaning           |
| 211.3230 | Lacquers                      |
| 211.3240 | Laminate                      |
| 211.3250 | Large Appliance               |
| 211.3270 | Large Appliance Coating       |
| 211.3290 | Large Appliance Coating Line  |
| 211.3300 | Lean-Burn Engine              |
| 211.3305 | Letterpress Printing Line     |
| 211.3310 | Light Liquid                  |
| 211.3330 | Light-Duty Truck              |
| 211.3350 | Light Oil                     |
| 211.3355 | Lime Kiln                     |
| 211.3370 | Liquid/Gas Method             |
| 211.3390 | Liquid-Mounted Seal           |
| 211.3410 | Liquid Service                |
| 211.3430 | Liquids Dripping              |
| 211.3450 | Lithographic Printing Line    |
| 211.3470 | Load-Out Area                 |
| 211.3475 | Load Shaving Unit             |
| 211.3480 | Loading Event                 |
| 211.3483 | Long Dry Kiln                 |
| 211.3485 | Long Wet Kiln                 |
| 211.3487 | Low-NOx Burner                |
| 211.3490 | Low Solvent Coating           |
| 211.3500 | Lubricating Oil               |
| 211.3505 | Lubricating Wax/Compound      |
| 211.3510 | Magnet Wire                   |
| 211.3530 | Magnet Wire Coating           |
| 211.3550 | Magnet Wire Coating Line      |
| 211.3555 | Maintenance Cleaning          |
| 211.3570 | Major Dump Pit                |
| 211.3590 | Major Metropolitan Area (MMA) |
| 211.3610 | Major Population Area (MPA)   |
| 211.3620 | Manually Operated Equipment   |
| 211.3630 | Manufacturing Process         |
| 211.3650 | Marine Terminal               |
| 211.3660 | Marine Vessel                 |
| 211.3665 | Mask Coating                  |
| 211.3670 | Material Recovery Section     |
| 211.3690 | Maximum Theoretical Emissions |
| 211.3695 | Maximum True Vapor Pressure   |

| 211.3705 | Medical Device  |
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| 211.3707 | Medical Device and Pharmaceutical Manufacturing         |
| 211.3710 | Metal Furniture   |
| 211.3730 | Metal Furniture Coating                                 |
| 211.3750 | Metal Furniture Coating Line                            |
| 211.3760 | Metallic Coating  |
| 211.3770 | Metallic Shoe-Type Seal                                 |
| 211.3775 | Metal to Urethane/Rubber Molding or Casting Adhesive    |
| 211.3780 | Mid-Kiln Firing   |
| 211.3785 | Military Specification Coating                          |
| 211.3790 | Miscellaneous Fabricated Product Manufacturing Process  |
| 211.3810 | Miscellaneous Formulation Manufacturing Process         |
| 211.3820 | Miscellaneous Industrial Adhesive Application Operation |
| 211.3830 | Miscellaneous Metal Parts and Products                  |
| 211.3850 | Miscellaneous Metal Parts and Products Coating          |
| 211.3870 | Miscellaneous Metal Parts or Products Coating Line      |
| 211.3890 | Miscellaneous Organic Chemical Manufacturing Process    |
| 211.3910 | Mixing Operation  |
| 211.3915 | Mobile Equipment  |
| 211.3925 | Mold Seal Coating                                       |
| 211.3930 | Monitor   |
| 211.3950 | Monomer   |
| 211.3960 | Motor Vehicles  |
| 211.3961 | Motor Vehicle Adhesive                                  |
| 211.3965 | Motor Vehicle Refinishing                               |
| 211.3966 | Motor Vehicle Weatherstrip Adhesive                     |
| 211.3967 | Mouth Waterproofing Sealant                             |
| 211.3968 | Multi-Colored Coating                                   |
| 211.3969 | Multi-Component Coating                                 |
| 211.3970 | Multiple Package Coating                                |
| 211.3975 | Multipurpose Construction Adhesive                      |
| 211.3980 | Nameplate Capacity                                      |
| 211.3985 | Natural Finish Hardwood Plywood Panel                   |
| 211.3990 | New Grain-Drying Operation (Repealed)                   |
| 211.4010 | New Grain-Handling Operation (Repealed)                 |
| 211.4030 | No Detectable Volatile Organic Material Emissions       |
| 211.4050 | Non-Contact Process Water Cooling Tower                 |
| 211.4052 | Non-Convertible Coating                                 |
| 211.4055 | Non-Flexible Coating                                    |
| 211.4065 | Non-Heatset   |
| 211.4067 | NO <sub>x</sub> Trading Program                         |
| 211.4070 | Offset  |
| 211.4080 | One-Component Coating                                   |
| 211.4090 | One Hundred Percent Acid                                |
| 211.4110 | One-Turn Storage Space                                  |
| 211.4130 | Opacity   |
|          | - I^  |

| 211.4150 | Opaque Stains  |
|----------|--|
| 211.4170 | Open Top Vapor Degreasing  |
| 211.4190 | Open-Ended Valve   |
| 211.4210 | Operator of a Gasoline Dispensing Operation or Operator of a Gasoline      |
|          | Dispensing Facility  |
| 211.4220 | Optical Coating  |
| 211.4230 | Organic Compound   |
| 211.4250 | Organic Material and Organic Materials                                     |
| 211.4260 | Organic Solvent  |
| 211.4270 | Organic Vapor  |
| 211.4280 | Other Glass  |
| 211.4285 | Outdoor Floor Covering Installation Adhesive                               |
| 211.4290 | Oven   |
| 211.4310 | Overall Control  |
| 211.4330 | Overvarnish  |
| 211.4350 | Owner of a Gasoline Dispensing Operation or Owner of a Gasoline Dispensing |
|          | Facility   |
| 211.4370 | Owner or Operator  |
| 211.4390 | Packaging Rotogravure Printing   |
| 211.4410 | Packaging Rotogravure Printing Line  |
| 211.4430 | Pail   |
| 211.4450 | Paint Manufacturing Source or Paint Manufacturing Plant                    |
| 211.4455 | Pan-Backing Coating  |
| 211.4460 | Panel  |
| 211.4470 | Paper Coating  |
| 211.4490 | Paper Coating Line   |
| 211.4510 | Particulate Matter   |
| 211.4530 | Parts Per Million (Volume) or PPM (Vol)                                    |
| 211.4540 | Perimeter Bonded Sheet Flooring  |
| 211.4550 | Person   |
| 211.4590 | Petroleum  |
| 211.4610 | Petroleum Liquid   |
| 211.4630 | Petroleum Refinery   |
| 211.4650 | Pharmaceutical   |
| 211.4670 | Pharmaceutical Coating Operation   |
| 211.4690 | Photochemically Reactive Material  |
| 211.4710 | Pigmented Coatings   |
| 211.4730 | Plant  |
| 211.4735 | Plastic  |
| 211.4740 | Plastic Part   |
| 211.4750 | Plasticizers   |
| 211.4760 | Plastic Solvent Welding Adhesive   |
| 211.4765 | Plastic Solvent Welding Adhesive Primer                                    |
| 211.4768 | Pleasure Craft   |
| 211.4769 | Pleasure Craft Surface Coating   |
| 211.4770 | PM-10  |
|          |  |

| 211.4790 | Pneumatic Rubber Tire Manufacture                              |
|----------|--|
| 211.4810 | Polybasic Organic Acid Partial Oxidation Manufacturing Process |
| 211.4830 | Polyester Resin Material(s)                                    |
| 211.4850 | Polyester Resin Products Manufacturing Process                 |
| 211.4870 | Polystyrene Plant  |
| 211.4890 | Polystyrene Resin  |
| 211.4895 | Polyvinyl Chloride Plastic (PVC Plastic)                       |
| 211.4900 | Porous Material  |
| 211.4910 | Portable Grain-Handling Equipment                              |
| 211.4930 | Portland Cement Manufacturing Process Emission Source          |
| 211.4950 | Portland Cement Process or Portland Cement Manufacturing Plant |
| 211.4960 | Potential Electrical Output Capacity                           |
| 211.4970 | Potential to Emit  |
| 211.4990 | Power Driven Fastener Coating                                  |
| 211.5010 | Precoat  |
| 211.5012 | Prefabricated Architectural Coating                            |
| 211.5015 | Preheater Kiln   |
| 211.5020 | Preheater/Precalciner Kiln                                     |
| 211.5030 | Pressure Release   |
| 211.5050 | Pressure Tank  |
| 211.5060 | Pressure/Vacuum Relief Valve                                   |
| 211.5061 | Pretreatment Coating   |
| 211.5062 | Pretreatment Wash Primer                                       |
| 211.5062 |  |
| 211.5005 | Primary Product Prime Coat                                     |
|          | Primer Sealant   |
| 211.5075 | Primer Sealer  |
| 211.5080 | Primer Surfacer Coat   |
| 211.5090 |  |
| 211.5110 | Primer Surfacer Operation                                      |
| 211.5130 | Primers  |
| 211.5140 | Printed Interior Panel   |
| 211.5150 | Printing   |
| 211.5170 | Printing Line  |
| 211.5185 | Process Emission Source  |
| 211.5190 | Process Emission Unit  |
| 211.5195 | Process Heater   |
| 211.5210 | Process Unit   |
| 211.5230 | Process Unit Shutdown  |
| 211.5245 | Process Vent   |
| 211.5250 | Process Weight Rate  |
| 211.5270 | Production Equipment Exhaust System                            |
| 211.5310 | Publication Rotogravure Printing Line                          |
| 211.5330 | Purged Process Fluid   |
| 211.5335 | Radiation Effect Coating                                       |
| 211.5340 | Rated Heat Input Capacity                                      |
| 211.5350 | Reactor  |
|          |  |

| 211.5370 | Reasonably Available Control Technology (RACT) |
|----------|--|
| 211.5390 | Reclamation System                             |
| 211.5400 | Red Coating                                    |
| 211.5410 | Refiner  |
| 211.5430 | Refinery Fuel Gas                              |
| 211.5450 | Refinery Fuel Gas System                       |
| 211.5470 | Refinery Unit or Refinery Process Unit         |
| 211.5480 | Reflective Argent Coating                      |
| 211.5490 | Refrigerated Condenser                         |
| 211.5500 | Regulated Air Pollutant                        |
| 211.5510 | Reid Vapor Pressure                            |
| 211.5520 | Reinforced Plastic Composite                   |
| 211.5530 | Repair   |
| 211.5535 | Repair Cleaning                                |
| 211.5550 | Repair Coat                                    |
| 211.5570 | Repaired                                       |
| 211.5580 | Repowering                                     |
| 211.5585 | Research and Development Operation             |
| 211.5590 | Residual Fuel Oil                              |
| 211.5600 | Resist Coat                                    |
| 211.5610 | Restricted Area                                |
| 211.5630 | Retail Outlet                                  |
| 211.5640 | Rich-Burn Engine                               |
| 211.5650 | Ringelmann Chart                               |
| 211.5670 | Roadway  |
| 211.5690 | Roll Coater                                    |
| 211.5710 | Roll Coating                                   |
| 211.5730 | Roll Printer                                   |
| 211.5750 | Roll Printing                                  |
| 211.5770 | Rotogravure Printing                           |
| 211.5790 | Rotogravure Printing Line                      |
| 211.5800 | Rubber   |
| 211.5810 | Safety Relief Valve                            |
| 211.5830 | Sandblasting                                   |
| 211.5850 | Sanding Sealers                                |
| 211.5860 | Scientific Instrument                          |
| 211.5870 | Screening                                      |
| 211.5875 | Screen Printing                                |
| 211.5880 | Screen Printing on Paper                       |
| 211.5885 | Screen Reclamation                             |
| 211.5890 | Sealer   |
| 211.5910 | Semi-Transparent Stains                        |
| 211.5930 | Sensor   |
| 211.5950 | Set of Safety Relief Valves                    |
| 211.5970 | Sheet Basecoat                                 |
| 211.5980 | Sheet-Fed                                      |
|          |  |

| 211.5985             | Sheet Rubber Lining Installation                          |
|----------------------|---|
| 211.5987             | Shock-Free Coating  |
| 211.5990             | Shotblasting  |
| 211.6010             | Side-Seam Spray Coat                                      |
| 211.6012             | Silicone-Release Coating                                  |
| 211.6015             | Single-Ply Roof Membrane                                  |
| 211.6017             | Single-Ply Roof Membrane Adhesive Primer                  |
| 211.6020             | Single-Ply Roof Membrane Installation and Repair Adhesive |
| 211.6025             | Single Unit Operation                                     |
| 211.6030             | Smoke   |
| 211.6050             | Smokeless Flare   |
| 211.6060             | Soft Coat   |
| 211.6063             | Solar-Absorbent Coating                                   |
| 211.6065             | Solids Turnover Ratio (R <sub>T</sub> )                   |
| 211.6070             | Solvent   |
| 211.6090             | Solvent Cleaning  |
| 211.6110             | Solvent Recovery System                                   |
| 211.6130             | Source  |
| 211.6140             | Specialty Coatings  |
| 211.6145             | Specialty Coatings for Motor Vehicles                     |
| 211.6150             | Specialty High Gloss Catalyzed Coating                    |
| 211.6170             | Specialty Leather   |
| 211.6190             | Specialty Soybean Crushing Source                         |
| 211.6210             | Splash Loading  |
| 211.6230             | Stack   |
| 211.6250             | Stain Coating   |
| 211.6270             | Standard Conditions                                       |
| 211.6290             | Standard Cubic Foot (scf)                                 |
| 211.6310             | Start-Up  |
| 211.6330             | Stationary Emission Source                                |
| 211.6350             | Stationary Emission Unit                                  |
| 211.6355             | Stationary Gas Turbine                                    |
| 211.6360             | Stationary Reciprocating Internal Combustion Engine       |
| 211.6370             | Stationary Source   |
| 211.6390             | Stationary Storage Tank                                   |
| 211.6400             | Stencil Coat  |
| 211.6405             | Sterilization Indicating Ink                              |
| 211.6410             | Storage Tank or Storage Vessel                            |
| 211.6420             | Strippable Spray Booth Coating                            |
| 211.6425             | Stripping Stripping                                       |
| 211.6427             |   |
|                      | Structural Glazing  |
| 211.6430<br>211.6450 | Styrene Devolatilizer Unit Styrene Recovery Unit          |
|                      | Subfloor  |
| 211.6460             |   |
| 211.6470             | Submerged Loading Pipe                                    |
| 211.6490             | Substrate   |

| 211.6510 | Sulfuric Acid Mist  |
|----------|---|
| 211.6530 | Surface Condenser   |
| 211.6535 | Surface Preparation                                       |
| 211.6540 | Surface Preparation Materials                             |
| 211.6550 | Synthetic Organic Chemical or Polymer Manufacturing Plant |
| 211.6570 | Tablet Coating Operation                                  |
| 211.6580 | Texture Coat  |
| 211.6585 | Thin Metal Laminating Adhesive                            |
| 211.6587 | Thin Particleboard  |
| 211.6590 | Thirty-Day Rolling Average                                |
| 211.6610 | Three-Piece Can   |
| 211.6620 | Three or Four Stage Coating System                        |
| 211.6630 | Through-the-Valve Fill                                    |
| 211.6635 | Tileboard   |
| 211.6640 | Tire Repair   |
| 211.6650 | Tooling Resin   |
| 211.6670 | Topcoat   |
| 211.6690 | Topcoat Operation   |
| 211.6695 | Topcoat System  |
| 211.6710 | Touch-Up  |
| 211.6720 | Touch-Up Coating  |
| 211.6730 | Transfer Efficiency                                       |
| 211.6740 | Translucent Coating                                       |
| 211.6750 | Tread End Cementing                                       |
| 211.6770 | True Vapor Pressure                                       |
| 211.6780 | Trunk Interior Coating                                    |
| 211.6790 | Turnaround  |
| 211.6810 | Two-Piece Can   |
| 211.6825 | Underbody Coating   |
| 211.6830 | Under-the-Cup Fill  |
| 211.6850 | Undertread Cementing                                      |
| 211.6860 | Uniform Finish Blender                                    |
| 211.6870 | Unregulated Safety Relief Valve                           |
| 211.6880 | Vacuum Metallizing  |
| 211.6885 | Vacuum Metalizing Coating                                 |
| 211.6890 | Vacuum Producing System                                   |
| 211.6910 | Vacuum Service  |
| 211.6930 | Valves Not Externally Regulated                           |
| 211.6950 | Vapor Balance System                                      |
| 211.6970 | Vapor Collection System                                   |
| 211.6990 | Vapor Control System                                      |
| 211.7010 | Vapor-Mounted Primary Seal                                |
| 211.7030 | Vapor Recovery System                                     |
| 211.7050 | Vapor-Suppressed Polyester Resin                          |
| 211.7070 | Vinyl Coating   |
| 211.7090 | Vinyl Coating Line  |
|          | , c   |

| 211.7110 | Volatile Organic Liquid (VOL)                                      |
|----------|--|
| 211.7130 | Volatile Organic Material Content (VOMC)                           |
| 211.7150 | Volatile Organic Material (VOM) or Volatile Organic Compound (VOC) |
| 211.7170 | Volatile Petroleum Liquid  |
| 211.7190 | Wash Coat  |
| 211.7200 | Washoff Operations   |
| 211.7210 | Wastewater (Oil/Water) Separator                                   |
| 211.7220 | Waterproof Resorcinol Glue   |
| 211.7230 | Weak Nitric Acid Manufacturing Process                             |
| 211.7240 | Weatherstrip Adhesive  |
| 211.7250 | Web  |
| 211.7270 | Wholesale Purchase - Consumer                                      |
| 211.7290 | Wood Furniture   |
| 211.7310 | Wood Furniture Coating   |
| 211.7330 | Wood Furniture Coating Line  |
| 211.7350 | Woodworking  |
| 211.7400 | Yeast Percentage   |
|          |  |

211.APPENDIX A Rule into Section Table 211.APPENDIX B Section into Rule Table

AUTHORITY: Implementing Sections 9, 9.1, 9.9 and 10 and authorized by Sections 27 of the Environmental Protection Act [415 ILCS 5/9, 9.1, 9.9, 10, and 27].

SOURCE: Adopted as Chapter 2: Air Pollution, Rule 201: Definitions, R71-23, 4 PCB 191, filed and effective April 14, 1972; amended in R74-2 and R75-5, 32 PCB 295, at 3 Ill. Reg. 5, p. 777, effective February 3, 1979; amended in R78-3 and 4, 35 PCB 75 and 243, at 3 Ill. Reg. 30, p. 124, effective July 28, 1979; amended in R80-5, at 7 Ill. Reg. 1244, effective January 21, 1983; codified at 7 III. Reg. 13590; amended in R82-1 (Docket A) at 10 III. Reg. 12624, effective July 7, 1986; amended in R85-21(A) at 11 Ill. Reg. 11747, effective June 29, 1987; amended in R86-34 at 11 Ill. Reg. 12267, effective July 10, 1987; amended in R86-39 at 11 Ill. Reg. 20804, effective December 14, 1987; amended in R82-14 and R86-37 at 12 III. Reg. 787, effective December 24, 1987; amended in R86-18 at 12 Ill. Reg. 7284, effective April 8, 1988; amended in R86-10 at 12 Ill. Reg. 7621, effective April 11, 1988; amended in R88-23 at 13 Ill. Reg. 10862, effective June 27, 1989; amended in R89-8 at 13 Ill. Reg. 17457, effective January 1, 1990; amended in R89-16(A) at 14 III. Reg. 9141, effective May 23, 1990; amended in R88-30(B) at 15 Ill. Reg. 5223, effective March 28, 1991; amended in R88-14 at 15 Ill. Reg. 7901, effective May 14, 1991; amended in R91-10 at 15 Ill. Reg. 15564, effective October 11, 1991; amended in R91-6 at 15 Ill. Reg. 15673, effective October 14, 1991; amended in R91-22 at 16 Ill. Reg. 7656, effective May 1, 1992; amended in R91-24 at 16 Ill. Reg. 13526, effective August 24, 1992; amended in R93-9 at 17 III. Reg. 16504, effective September 27, 1993; amended in R93-11 at 17 Ill. Reg. 21471, effective December 7, 1993; amended in R93-14 at 18 Ill. Reg. 1253, effective January 18, 1994; amended in R94-12 at 18 III. Reg. 14962, effective September 21, 1994; amended in R94-14 at 18 Ill. Reg. 15744, effective October 17, 1994; amended in R94-15 at 18 Ill. Reg. 16379, effective October 25, 1994; amended in R94-16 at 18 Ill. Reg. 16929, effective November 15, 1994; amended in R94-21, R94-31 and R94-32 at 19 Ill. Reg. 6823, effective May 9, 1995; amended in R94-33 at 19 Ill. Reg. 7344, effective May 22, 1995;

amended in R95-2 at 19 Ill. Reg. 11066, effective July 12, 1995; amended in R95-16 at 19 Ill. Reg. 15176, effective October 19, 1995; amended in R96-5 at 20 Ill. Reg. 7590, effective May 22, 1996; amended in R96-16 at 21 Ill. Reg. 2641, effective February 7, 1997; amended in R97-17 at 21 Ill. Reg. 6489, effective May 16, 1997; amended in R97-24 at 21 Ill. Reg. 7695, effective June 9, 1997; amended in R96-17 at 21 Ill. Reg. 7856, effective June 17, 1997; amended in R97-31 at 22 III. Reg. 3497, effective February 2, 1998; amended in R98-17 at 22 III. Reg. 11405, effective June 22, 1998; amended in R01-9 at 25 III. Reg. 108, effective December 26, 2000; amended in R01-11 at 25 Ill. Reg. 4582, effective March 15, 2001; amended in R01-17 at 25 Ill. Reg. 5900, effective April 17, 2001; amended in R05-16 at 29 Ill. Reg. 8181, effective May 23, 2005; amended in R05-11 at 29 Ill. Reg. 8892, effective June 13, 2005; amended in R04-12/20 at 30 Ill. Reg. 9654, effective May 15, 2006; amended in R07-18 at 31 Ill. Reg. 14254, effective September 25, 2007; amended in R08-6 at 32 III. Reg. 1387, effective January 16, 2008; amended in R07-19 at 33 Ill. Reg. 11982, effective August 6, 2009; amended in R08-19 at 33 Ill. Reg. 13326, effective August 31, 2009; amended in R10-7 at 34 Ill. Reg. 1391, effective January 11, 2010; amended in R10-8 at 34 Ill. Reg. 9069, effective June 25, 2010; amended in R10-20 at 34 III. Reg. 14119, effective September 14, 2010; amended in R11-23 at 35 Ill. Reg. 13451, effective July 27, 2011; amended in R12-24 at 37 Ill. Reg. 1662, effective January 28, 2013; amended in R13-1 at 37 Ill. Reg. 1913, effective February 4, 2013; amended in R14-7 at 37 Ill. Reg. \_\_\_\_\_\_, effective \_\_\_

#### Section 211.7150 Volatile Organic Material (VOM) or Volatile Organic Compound (VOC)

"Volatile organic material" (also "VOM") or "volatile organic compound" (also "VOC") means any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate, that participates in atmospheric photochemical reactions.

a) This definition of VOM includes any organic compound that participates in atmospheric photochemical reactions, other than the compounds listed in this subsection (a). USEPA has determined that the compounds listed in this subsection (a) have negligible photochemical reactivity. USEPA has excluded the listed negligibly-reactive compounds from the definition of VOM for purposes of VOM limitations or VOM content requirements. However, USEPA has required that certain of these compounds be considered VOM for purposes of recordkeeping, emissions reporting, and inventory requirements, as described in subsection (e) of this Section.

<u>1,2-Bis(difluoromethoxy)-1,1,2,2-tetrafluoroethane</u> (CHF<sub>2</sub>OCF<sub>2</sub>CF<sub>2</sub>OCHF<sub>2</sub> or HFE-338pcc13)

tertiary-Butyl acetate

1-Chloro-1,1-difluoroethane (HCFC-142b)

Chlorodifluoromethane (CFC-22)

1-Chloro-1-fluoroethane (HCFC-151a)

2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)

Chlorofluoromethane (HCFC-31)

Chloropentafluoroethane (CFC-115)

2-Chloro-1,1,1,2-tetrafluoroethane (HCFC-124)

trans-1-chloro-3,3,3-trifluoroprop-1-ene

1,1,1,2,2,3,4,5,5,5-Decafluoro-3-methoxy-4-trifluoromethyl-pentane (HFE-7300, L-14787, or  $C_2F_5CF(OCH_3)CF(CF_3)_2$ )

1,1,1,2,3,4,4,5,5,5-Decafluoropentane (HFC 43-10mee)

Dichlorodifluoromethane (CFC-12)

1,1-Dichloro-1-fluoroethane (HCFC-141b)

3,3-Dichloro-1,1,1,2,2-pentafluoropropane (HCFC-225ca)

1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)

1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC-114)

1,2-Dichloro-1,1,2-trifluoroethane (HCFC-123a)

1,1-Difluoroethane (HFC-152a)

Difluoromethane (HFC-32)

(Difloromethoxy)(difluoro)methane (CHF<sub>2</sub>OCHF<sub>2</sub> or HFE-134)

1-(Difloromethoxy)-2-[(difluoromethoxy)(difluoro)methoxy]-1,1,2,2tetrafluoroethane (CHF<sub>2</sub>OCF<sub>2</sub>OCF<sub>2</sub>OCHF<sub>2</sub> or HFE-43-10pccc)

2-(Difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane  $\frac{((CF_3)_2CFCF_2OCH_3)}{((CF_3)_2CFCF_2OCH_3)}$ 

Dimethyl carbonate

Ethane

2-(Ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane ((CF3)2CFCF2OC2H5) ((CF<sub>3</sub>)<sub>2</sub>CFCF<sub>2</sub>OC<sub>2</sub>H<sub>5</sub>)

Ethylfluoride (HFC-161)

<u>3-Ethoxy-1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)hexane</u> (HFE-7500)

1-Ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane (C4F9OC2H5- $C_4F_9OC_2H_5$  or HFE-7200)

 $\frac{3\text{-Ethoxy-1,1,1,2,3,4,4,5,5,6,6,6-dodecafluoro-2-(trifluoromethyl)hexane}{(HFE-7500)}$ 

Ethylfluoride (HFC-161)

1,1,1,2,2,3,3-Heptafluoro-3-methoxypropane ( $\frac{n-C3F7OCH3}{n-C_3F_7OCH_3}$  or HFE-7000)

1,1,1,2,3,3,3-Heptafluoropropane (HFC-227ea)

1,1,1,2,3,3-Hexafluoropropane (HFC-236ea)

1,1,1,3,3,3-Hexafluoropropane (HFC-236fa)

Methane

Methyl acetate

Methylene chloride (dichloromethane)

Methyl formate (HCOOCH<sub>3</sub>) (CHOOCH<sub>3</sub>)

1,1,1,2,2,3,3,4,4-Nonafluoro-4-methoxybutane ( $C4F9OCH3-C_4F_9OCH_3$  or HFE-7100)

Parachlorobenzotrifluoride (PCBTF)

1,1,1,3,3-Pentafluorobutane (HFC-365mfc)

Pentafluoroethane (HFC-125)

1,1,2,2,3-Pentafluoropropane (HFC-245ca)

1,1,2,3,3-Pentafluoropropane (HFC-245ea)

1,1,1,2,3-Pentafluoropropane (HFC-245eb)

1,1,1,3,3-Pentafluoropropane (HFC-245fa)

unsaturations

Perchloroethylene (tetrachloroethylene)

Perfluorocarbon compounds that fall into the following classes:

Cyclic, branched, or linear, completely fluorinated alkanes Cyclic, branched, or linear, completely fluorinated ethers with no

Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations

Sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine

Propylene carbonate (4-methyl-1,3-dioxolan-2-one)

Siloxanes: cyclic, branched, or linear completely-methylated

1,1,2,2-Tetrafluoroethane (HFC-134)

1,1,1,2-Tetrafluoroethane (HFC-134a)

trans-1,3,3,3-Tetrafluoropropene (HFO-1234ze)

1,1,1-Trichloroethane (methyl chloroform)

Trichlorofluoromethane (CFC-11)

1,1,2-Trichloro-1,2,2-trifluoroethane (CFC-113)

1,1,1-Trifluoro-2,2-dichloroethane (HCFC-123)

1,1,1-Trifluoroethane (HFC-143a)

Trifluoromethane (HFC-23)

- b) For purposes of determining VOM emissions and compliance with emissions limits, VOM will be measured by the test methods in the approved implementation plan or 40 CFR 60, Appendix appendix A, incorporated by reference at 35 Ill. Adm. Code 215.105, 218.112, and 219.112, as applicable, or by source-specific test methods that have been established pursuant to a permit issued under a program approved or promulgated under Title V of the Clean Air Act; under 40 CFR 51, Subpart subpart I or Appendix appendix S, incorporated by reference at 35 Ill. Adm. Code 218.112 and 219.112; or under 40 CFR 52.21, incorporated by reference at 35 Ill. Adm. Code 218.112 and 219.112, as applicable. Where such a method also measures compounds with negligible photochemical reactivity, these negligibly-reactive compounds may be excluded as VOM if the amount of such compounds is accurately quantified and the exclusion is approved by the Agency.
- c) As a precondition to excluding these negligibly-reactive compounds as VOM, or at any time thereafter, the Agency may require an owner or operator to provide monitoring or testing methods and results demonstrating, to the satisfaction of the Agency, the amount of negligibly-reactive compounds in the source's emissions.
- d) The USEPA will not be bound by any State determination as to appropriate methods for testing or monitoring negligibly-reactive compounds if such determination is not reflected in any of the test methods in subsection (b) above.

| e) | The following compound is VOM for the purposes of all recordkeeping,           |
|----|--|
|    | emissions reporting, photochemical dispersion modeling and inventory           |
|    | requirements that apply to VOM, and it must be uniquely identified in emission |
|    | reports, but it is not VOM for the purposes of VOM emissions limitations or    |
|    | VOM content requirements: t-butyl acetate.                                     |
|    | •  |

(Source: Amended at 37 Ill. Reg. \_\_\_\_\_, effective \_\_\_\_\_)

IT IS SO ORDERED.

I, Don A. Brown, Acting Clerk of the Illinois Pollution Control Board, certify that the Board adopted the above opinion and order on November 21, 2013, by a vote of 4-0.

Don A. Brown, Acting Clerk Illinois Pollution Control Board

(1)on a. Brown