



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
Air and Radiation Division
5 Post Office Square
Boston, MA 02109

April 14, 2020

Daniel P. Sweet
Environmental Health and Safety Manager
Vicor Corporation
25 Frontage Road
Andover, MA 01810

Re: Applicability of the National Emission Standard for Hazardous Air Pollutants, 40 CFR 63 Subpart XXXXXX, to Vicor Corporation, 400 Federal Street, Andover, MA 01810

Dear Mr. Sweet,

The United States Environmental Protection Agency, Region 1 (EPA) has reviewed your letter dated January 31, 2020 requesting a determination as to whether the National Emission Standards for Hazardous Air Pollutants (NESHAP), Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, 40 CFR Part 63, Subpart XXXXXX (Subpart 6X), applies to the operations at Vicor Corporation (Vicor) located at 400 Federal Street in Andover, Massachusetts. This letter provides you with a written applicability determination.

Vicor's January 31, 2020 letter summarizes the operations at the facility and states that the facility is an area source of hazardous air pollutants, operating under a Comprehensive Plan Approval issued by the Massachusetts Department of Environment Protection. Vicor engages in development and manufacturing of modular power supplies, system components, and complete power systems. These systems are used for electric power conversion for the operation of electronic circuitry in a variety of applications, e.g. aerospace, defense, communications, computing, and manufacturing.

Subpart 6X applicability provisions at 63.11514(a) specify that the regulation applies to an area source that is primarily engaged in the operations in one of the nine source categories listed in paragraphs (a)(1) through (9) of this section, which include:

- (1) Electrical and Electronic Equipment Finishing Operations
- (2) Fabricated Metal Products
- (3) Fabricated Plate Work (Boiler Shops)
- (4) Fabricated Structural Metal Manufacturing
- (5) Heating Equipment, except Electric
- (6) Industrial Machinery and Equipment Finishing Operations
- (7) Iron and Steel Forging
- (8) Primary Metal Products Manufacturing
- (9) Valves and Pipe Fittings

Each of these nine source categories is further described in Table 1 of Subpart 6X (Table 1). Table 1 describes Electrical and Electronic Equipment Finishing Operations to include establishments primarily engaged in manufacturing motors and generators; and electrical machinery, equipment, and supplies, not elsewhere classified. Descriptions in Table 1 do not specifically list modular power supplies, system components or complete power systems, but as noted include electrical supplies not elsewhere classified. Additionally, EPA's Question and Answers guidance for Subpart 6X, published in November 2011 and last updated in February 2018, provides specific SIC/NAICS code combinations that determine applicability to Subpart 6X¹, which are posted on the EPA area source website and are shown in Chart 1 [see enclosure]. If the SIC/NAICS code combination used to describe a facility's primary activities is not one of those specifically listed on Chart 1, the facility is not subject to the rule.

Vicor's January 31, 2020 letter states that the 400 Federal Street manufacturing facility is classified under the following codes:

SIC Code: **3679** Electronic Components, Not Elsewhere Classified
NAICS Code: **335999** All Other Miscellaneous Electrical Equipment and Component Manufacturing

Although Vicor's operations are described by NAICS code 335999, Vicor's operations are not also described by SIC code 3699, as identified in Chart 1. Rather, they are described by SIC code 3679. Therefore, we conclude that the 400 Federal Street manufacturing facility is not subject to Subpart 6X, because its operations are not described by the SIC/NAICS code combination in EPA's guidance document, Chart 1.

This applicability determination is made in reliance on the accuracy of the information provided to EPA and does not relieve Vicor of the responsibility for complying fully with any and all applicable federal, state and local laws, regulations and permits. Should the facility undergo a process change or be assigned a new SIC or NAICS code, this applicability determination may no longer be valid. If you have any questions regarding this letter, please contact Jessica Kilpatrick of my staff at (617) 918-1652.

Sincerely,

CYNTHIA GREENE Digitally signed by CYNTHIA GREENE
Date: 2020.04.16 11:31:48 -04'00'

Cynthia L. Greene, Deputy Director
Air and Radiation Division

Enclosure: Chart 1 SIC/NAICS Code Applicability for Area Source Standards for Nine Metal Fabrication and Finishing Source Categories (40 CFR Part 63 Subpart XXXXXX)

CC: Marc Wolman, MassDEP

¹ See Nine Metal Fabrication and Finishing Area Source Categories 40 CFR Part 63 Subpart XXXXXX (6X) National Emission Standards for Hazardous Air Pollutants (NESHAP) Questions & Answers, https://www.epa.gov/sites/production/files/2016-06/documents/metal_fabrication_q_a_nov-2011-rev3.pdf

**Chart 1: SIC/NAICS Code Applicability for Area Source Standards Nine Metal Fabrication and Finishing Source Categories
(40 CFR Part 63 Subpart XXXXXX) ***

	NAICS Code	NAICS Description	SIC Code	EPA Source Category	SIC Code Description
1	332111	Iron and Steel Forging	3462	Iron and Steel Forging	Iron and Steel Forging
2	332117	Powder Metallurgy Part Manufacturing	3499	Fabricated Metal Products, NEC	Fabricated Metal Products, NEC
3	332312	Fabricated Structural Metal Manufacturing	3441	Fabricated Structural Metal Manufacturing	Fabricated Structural Metal Fabrication
4	332313	Plate Work Manufacturing	3443	Fabricated Plate Work (Boiler Shops)	Fabricated Plate Work and Boiler Shops
5	332410	Power Boiler and Heat Exchanger Manufacturing	3443	Fabricated Plate Work (Boiler Shops)	Fabricated Plate Work and Boiler Shops
6	332420	Metal Tank (Heavy Gauge) Manufacturing	3443	Fabricated Plate Work (Boiler Shops)	Fabricated Plate Work and Boiler Shops
7	332618	Other Fabricated Wire Product Manufacturing	3399	Primary Metals Products Manufacturing	Primary Metals Products Manufacturing
8	332919	Other Metal Valve and Pipe Fitting Manufacturing	3494	Valves and Pipe Fittings, NEC	Valves and Pipe Fittings, NEC
9	332999	All Other Miscellaneous Fabricated Metal Product Mftg	3499	Fabricated Metal Products, NEC	Fabricated Metal Products, NEC
10	333120	Construction Machinery Manufacturing	3531	Industrial Machinery & Equipment: Finishing Ops	Construction Machinery Manufacturing
11	333132	Oil and Gas Field Machinery and Equipment Mftg	3533	Industrial Machinery & Equipment: Finishing Ops	Oil and Gas Field Machinery Equipment Manufacturing
12	333414	Heating Equipment (except Warm Air Furnaces) Mftg	3433	Heating Equipment, except electric	Heating Equipment, except electric
13	333911	Pump and Pumping Equipment Manufacturing	3561	Industrial Machinery & Equipment: Finishing Ops	Pumps and Pumping Equipment Manufacturing
14	335312	Motor and Generator Manufacturing	3621	Electrical & Electronic Equipment Finishing Ops	Motors and Generators Manufacturing
15	335999	All Other Misc. Electrical Equipment & Component Mftg	3699	Electrical & Electronic Equipment Finishing Ops	Electrical Machinery, Equipment, and Supplies, NEC

* A direct link to this chart is provided on EPA's website at https://www.epa.gov/sites/production/files/2017-06/documents/metal-fab-6x-applicability-codes_6.1.17.pdf.