

Final-Form Rulemaking
Large Appliance and Metal Furniture
Surface Coating Processes
25 Pa. Code § 129.52a

Environmental Quality Board Meeting
Harrisburg, PA
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Commonwealth of Pennsylvania

Final-form Rulemaking: Large Appliance and Metal Furniture Surface Coating Processes

OVERVIEW

- The final-form regulation amends 25 *Pa. Code* § 129.51(a) (relating to equivalency) to extend its applicability to large appliance and metal furniture surface coating processes covered by this final rulemaking.
- The final-form rulemaking adds § 129.52a. The provisions include VOC content limits for coatings and work practices for coating-related activities and cleaning materials for large appliance and metal furniture surface coating processes.
- The final-form rulemaking will be effective upon publication in the *Pennsylvania Bulletin* as final rulemaking.

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OVERVIEW

- The requirements in the final-form rulemaking are consistent with the Control Technique Guidelines (CTG) adopted by the U.S. Environmental Protection Agency in September 2007 for large appliance coatings and metal furniture coatings.
- This final rulemaking is reasonably necessary to attain and maintain the health- and welfare-based 8-hour ground-level ozone National Ambient Air Quality Standard in this Commonwealth.
- Exposure to ground-level ozone is a serious threat to public health and the environment.

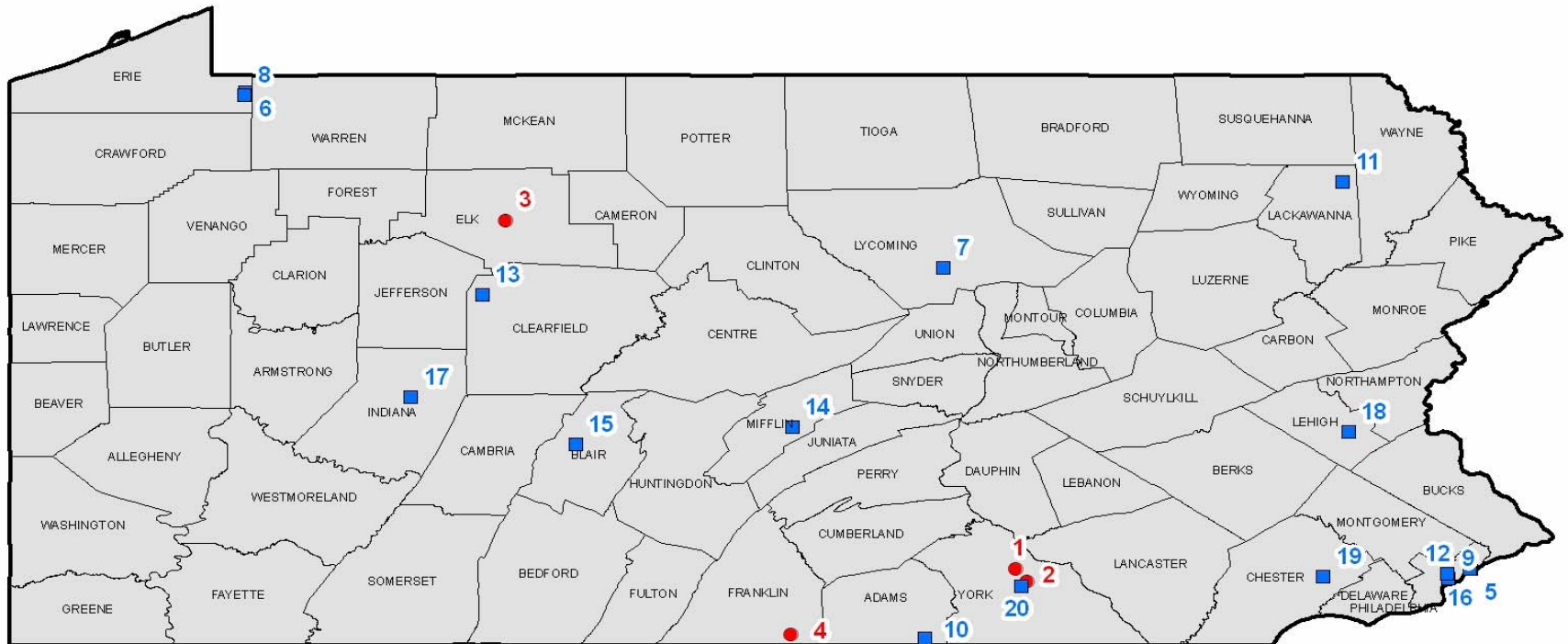
Final-form Rulemaking: Large Appliance and Metal Furniture Surface Coating Processes

SOURCES AFFECTED AND BENEFITS

- This rulemaking applies to any large appliance or metal furniture surface coating process with total actual VOC emissions from all surface coating operations, including related cleaning activities, at the facility greater than or equal to 15 pounds per day or 2.7 tons per 12-month rolling period, before consideration of controls.
- Currently four large appliance facilities and 16 metal furniture facilities are affected by these amendments. The owners and operators of certain affected facilities may already be able to demonstrate compliance with the final rulemaking.
- Compliance with the requirements for large appliance operations will result in approximately 5.5 tons per year of VOC reductions; a 30% reduction from VOC emissions reported for the sector in 2008.
- Approximately 17.6 tons per year of VOC reductions will be achieved from metal furniture operations; a 35% reduction from VOC emissions reported in 2008.

Final-form Rulemaking: Large Appliance and Metal Furniture Surface Coating Processes

LARGE APPLIANCE AND METAL FURNITURE FACILITIES IN PA



Coating Facility Type

- Large Appliance
- Metal Furniture

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COSTS

- The estimated annual costs for noncomplying facilities would be:
 - \$2750 for large appliance operations
 - \$3520 for metal furniture operations
- Based on information provided by the EPA in the CTGs, the cost-effectiveness of reducing VOC emissions from large appliance surface coating and metal furniture surface coating operations is approximately \$500 and \$200 per ton of VOC reduced, respectively.
- These estimates are based on the use of low VOC-content coatings.

Final-form Rulemaking: Large Appliance and Metal Furniture Surface Coating Processes

ADVISORY COMMITTEE REVIEW

- On April 29, 2010, the Air Quality Technical Advisory Committee (AQTAC) voted 13-0-1 to concur with the Department's recommendation to present the final-form amendments to the Board for consideration.
- On May 6, 2010, the Department presented the final rulemaking to the Citizens Advisory Council; the Council recommended Board action on the final-form regulation.
- The Department also consulted with the Small Business Compliance Advisory Committee on April 28, 2010; this Committee had no concerns.

Final-form Rulemaking: Large Appliance and Metal Furniture Surface Coating Processes

RULEMAKING TIMETABLE

- The Board approved publication of the proposed rulemaking at its meeting of November 17, 2009.
- On January 16, 2010, the proposed rulemaking was published in the *Pennsylvania Bulletin* with a 66-day public comment period. 40 *Pa.B.* 420.
- Three public hearings were held on February 16, 17 and 18, 2010, in Pittsburgh, Harrisburg and Norristown, PA, respectively.
- The public comment period closed on March 22, 2010; no public comments were received by the Board.
- On April 21, 2010, the Independent Regulatory Review Commission submitted comments to the Board concerning the format for recordkeeping and the need for a written request from the Department for the submission of records to the Department.

Final-form Rulemaking: Large Appliance and Metal Furniture Surface Coating Processes

CHANGES FROM PROPOSED TO FINAL RULEMAKING

- Section 129.52a(e) has been amended to require that records be maintained for 2 years unless a longer period is required by 25 *Pa. Code* § 127.511(b)(2) (relating to monitoring and related recordkeeping and reporting requirements).
- Additionally, § 129.52a(e) has been amended to expressly provide that records shall be submitted to the Department upon receipt of a written request.

Final-form Rulemaking: Large Appliance and Metal Furniture Surface Coating Processes

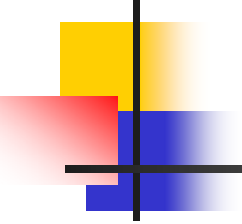
CHANGES FROM PROPOSED TO FINAL RULEMAKING

- The tables in the final-form rulemaking include amendments to emission limits made for providing consistency in the number of significant digits and to provide consistency with the limit in § 129.52.
- The difference between the proposed and final number is due to different but equally acceptable methodologies being used for rounding during the conversion from metric units to English units. The emission *reduction* that will be achieved is equivalent.

Final-form Rulemaking: Large Appliance and Metal Furniture Surface Coating Processes

FINAL RULEMAKING RECOMMENDATIONS

- The Department recommends that the Board approve the final-form rulemaking for large appliance and metal furniture surface coating processes.
- The Department will submit the final-form rulemaking, if adopted, to the EPA for approval as a revision to the State Implementation Plan.
- Your consideration of this final-form rulemaking is greatly appreciated.



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



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