



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

DEC 1 2009

REPLY TO THE ATTENTION OF:

(AE-17J)

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Timothy Ling  
Environmental Engineer  
Plaskolite, Inc.  
1770 Joyce Avenue  
Columbus, Ohio 43216

Dear Mr. Ling:

This is to advise you that the U. S. Environmental Protection Agency finds that Plaskolite, Inc.'s facility at 1770 Joyce Avenue, Columbus, Ohio (Plaskolite facility) is in violation of the Clean Air Act (CAA) and associated pollution control requirements. A list of the requirements violated is provided below. We are today issuing a Finding of Violation (FOV) to you for these violations.

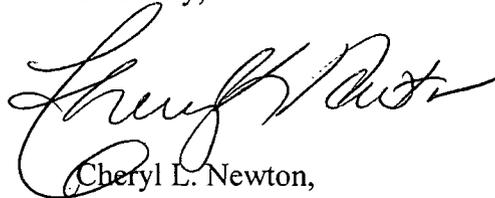
The CAA requires EPA to develop National Emissions Standards for Hazardous Air Pollutants (NESHAP) to protect the public health and welfare. The Plaskolite facility is subject to the requirements of the NESHAP for Miscellaneous Organic Chemicals Manufacturing (the MON) at 40 C.F.R. Part 63, Subpart FFFF, and the Hazardous Organic NESHAP for Equipment Leaks at 40 C.F.R. Part 63, Subpart H (Subpart H). One of the purposes of these requirements is to require facilities to implement a Leak Detection and Repair (LDAR) program to reduce fugitive Hazardous Air Pollutant emissions.

Section 113(a) (3) of the Clean Air Act, 42 U.S.C. § 7413(a)(3) gives us several enforcement options to resolve these violations. These options include issuing an administrative compliance order, issuing an administrative penalty order, and bringing a civil or criminal judicial action.

We are offering you an opportunity to confer with us about the violations alleged in the FOV. The conference will give you an opportunity to present information on the specific findings of violation, any efforts you have taken to comply, and the steps you will take to prevent future violations. Please plan for your facility's technical and management personnel to attend the conference to take part in these discussions. You may have an attorney represent you at this conference.

The EPA contact in this matter is Shannon Downey. You may call her at (312) 353-2151 if you wish to request a conference. You should make the request within 10 calendar days following receipt of this letter. We should hold any conference within 30 calendar days following receipt of this letter.

Sincerely,

A handwritten signature in black ink, appearing to read "Cheryl L. Newton". The signature is fluid and cursive, with the first name being the most prominent.

Cheryl L. Newton,  
Director  
Air and Radiation Division

Enclosure

Cc: Adam Ward, APC Manager  
Central District Office – Ohio EPA

**United States Environmental Protection Agency**

<p>IN THE MATTER OF:</p> <p>Plaskolite, Inc. Columbus, Ohio</p> <p>Proceedings Pursuant to the Clean Air Act, 42 U.S.C. §§ 7401 et seq.</p>		<p>FINDING OF VIOLATION</p> <p>EPA-05-10-OH-03</p>
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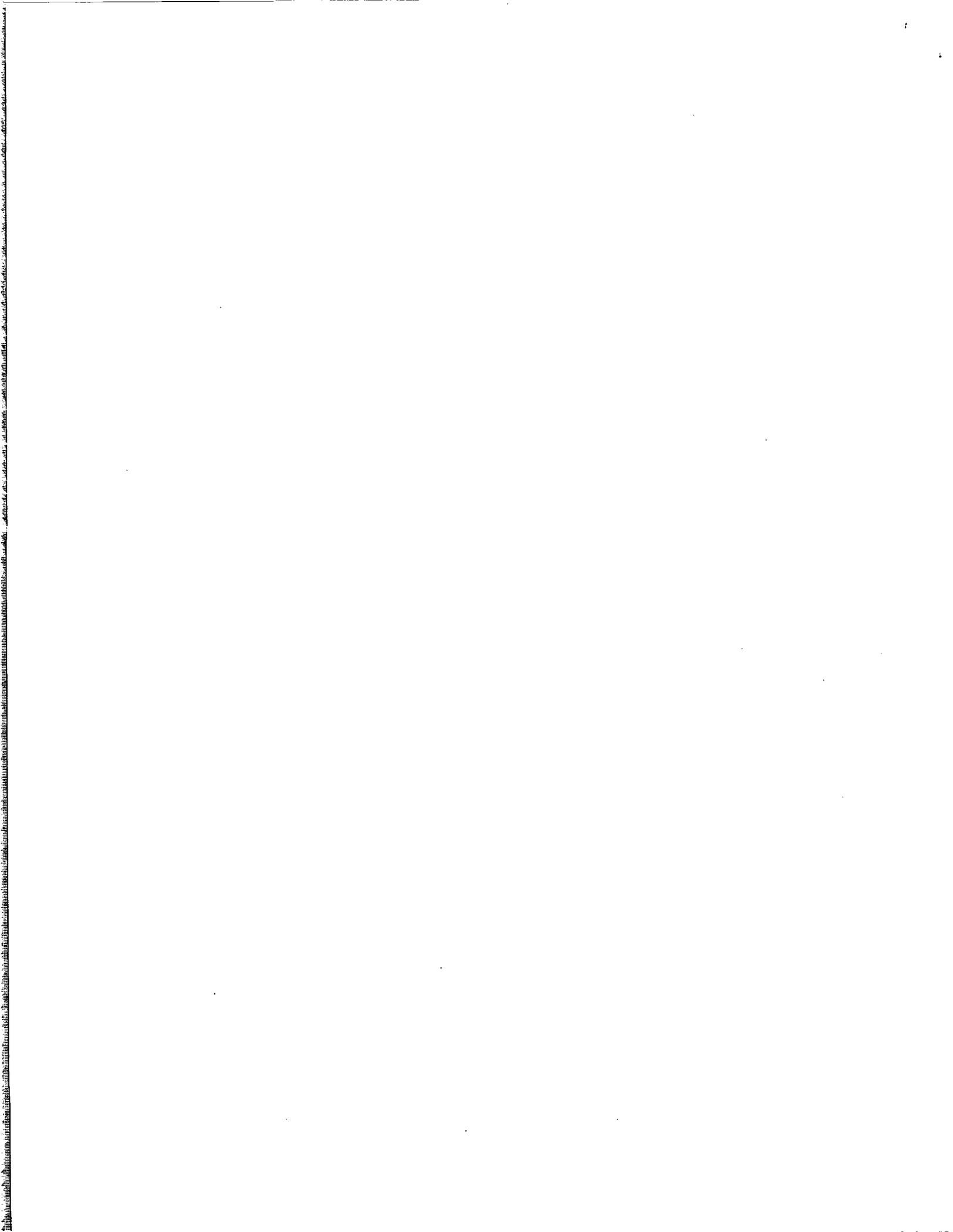
**FINDING OF VIOLATION**

Plaskolite, Inc. owns and operates a chemical manufacturing facility at 1770 Joyce Avenue, Columbus, Ohio (Plaskolite facility). This facility includes operations that manufacture acrylic sheets, acrylic resins, polystyrene sheets, acrylic mirror sheets, and high performance coatings from methylmethacrylate and ethyl acrylate and emit Hazardous Air Pollutants (HAP).

The U. S. Environmental Protection Agency (EPA) is issuing this Finding of Violation (FOV) to you to address the alleged violations identified below. The underlying statutory and regulatory requirements include provisions of the Clean Air Act (CAA) and its implementing regulations.

**Explanation of Violations**

1. The regulatory provisions relevant to this FOV are as follows:
  - a. The Plaskolite facility is subject to 40 C.F.R. Part 63, Subpart FFFF, National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemicals Manufacturing (the MON). Among the requirements of Subpart FFFF is 40 C.F.R. § 63.2480(a) (by reference Table 6), which requires the Plaskolite facility to comply with the NESHAP for Equipment Leaks at Subpart H of Part 63, Subpart UU of Part 63 or Subpart F of Part 65, except as specified in § 63.2480(b) and (d). The facility selected the NESHAP for Equipment Leaks at Subpart H of Part 63, which are commonly referred to as Leak Detection and Repair (LDAR) requirements.
  - b. Subpart H, 40 C.F.R. § 63.167, sets forth standards for open-ended valves or lines. The polymerization reactors (Reactor A, Reactor B and Reactor C) at the Plaskolite facility contain open-ended valves or lines that are subject to Subpart H, 40 § C.F.R. 63.167.



- c. Subpart H, at 40 C.F.R. § 63.167(a)(2), requires that a cap, blind flange, plug, or second valve shall seal the open end of an open-ended valve or line at all times, except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair.
- d. On December 12, 2001, Ohio EPA issued to Plaskolite a Final Title V Chapter 3745-77 permit. For the time period cited in this FOV, Plaskolite operated under the Title V permit issued on December 12, 2001.
- e. Section 502(a) of the CAA, 42 U.S.C. § 7661a(a), states that, after the effective date of any permit program approved or promulgated under Title V of the Act, no source subject to Title V may operate the source except in compliance with its Title V permit. 40 C.F.R. § 70.7(b) states that, no source subject to Title V may operate the source except in compliance with a Title V permit.
- f. Plaskolite's Title V permit states that Plaskolite's three polymerization reactors (Reactors A, B and C) are subject to the following operational restriction: "except during operations requiring the flow of process fluid through the open-ended valve or line, the cap, blind flange, plug, or second valve shall seal the open end of the open-ended valve or line."

**Alleged Violations**

- 2. On June 16, 2009, EPA conducted a Method 21 LDAR inspection at the Plaskolite facility.
- 3. During the June 16, 2009 inspection, EPA inspectors observed that the lids on each addition funnel to the three polymerization reactors (Reactors A, B and C) did not seal tightly enough to prevent fugitive emissions.
- 4. During the June 16, 2009 inspection, EPA monitored the addition funnel/lids during no-flow conditions of Plaskolite's processes with a TVA-1000 B instrument using Method 21 as specified in 40 C.F.R. Part 60, Appendix A and detected the following emissions:

Process Area	Component	VOC Concentration
Reactor B	Addition Funnel/lid	475 ppm
Reactor C	Addition Funnel/lid	1000 ppm

- 5. During the June 16, 2009 inspection, EPA discovered that Plaskolite failed to seal properly the open end of two of its open-ended valves or lines and thus did not meet the requirements found at 40 C.F.R. § 63.2480(a), 40 C.F.R. § 63.167(a)(2) and condition III.A.II.4 for Reactors A, B and C of Plaskolite's Title V permit.

## Environmental Impact of Violations

6. These violations have caused or can cause excess emissions of HAPs. Violation of the above NESHAP standards can result in excess HAP emissions that may cause serious health effects, such as birth defects and cancer, and harmful environmental and ecological effects.

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Cheryl L. Newton  
Director  
Air and Radiation Division

**CERTIFICATE OF MAILING**

I, Betty Williams, do hereby certify that a Finding of Violation (EPA-5-10-OH-03) of the Clean Air Act was sent by Certified Mail, Return Receipt Requested, to:

Mr. Timothy Ling  
Environmental Engineer  
Plaskolite, Inc.  
1770 Joyce Avenue  
Columbus, Ohio 43216

I also certify that I sent copies of the Finding of Violation (EPA-5-10-OH-03 ) by first class mail to:

Adam Ward, APC Manager  
Central District Office  
50 West Town Street, Suite 700  
Columbus, Ohio 43215

on the 22<sup>nd</sup> day of December, 2009.



Betty Williams, Secretary, AECAS  
(IL/IN)

CERTIFIED MAIL RECEIPT NUMBER: 7009168000076665056

standard bcc's: official file copy w/attachment(s)

other bcc's: Janet Carlson, C-14J

Creation Date:	November 20, 2009
Filename:	FOV Plaskolite Draft Nov 19
Legend:	ARD:AECAB:AECAS(IL/IN):SDowney