

State of Oregon  
Department of Environmental Quality

Memorandum

Date: 4/7/2023

**To:** File/Julia DeGagné  
**From:** Thomas Rhodes

**Subject:** Source Test Review Report  
Hollingsworth and Vose  
Permit Number: 02-2173-ST-01

Test Date: March 3, 2023  
Report Received: April 3, 2023  
Source Testers: Bison Engineering, Inc.  
DEQ Observed: No

**I) Source Description:** Glass fiber manufacturing facility.

**II) Process (es)/Emissions Unit(s) Tested:** Raw materials handling area.

**III) Test Purpose:** Compliance with the September 22, 2022 letter that was sent to Hollingsworth & Vose in accordance with [OAR 340-245-0030\(2\)](#) to demonstrate that the raw materials handling area has 100 percent capture efficiency. This was a retest of a PTE evaluation that was previously done on December 14, 2022.

**IV) Testing Location(s):**

**Raw Materials Handling Area**

Pressure Differential Measurements Locations

- 1 – North Man Door
- 2 – NE Load In / Out Door
- 3 – SE Load In / Out Door
- 4 – Second Floor Man Door
- 5 – Second Floor Load In / Out Door

**V) Testing Methodology:** The following testing methods were utilized during the testing program:

Permanent Total Enclosure Verification: EPA Method 204

**VI) Summary of Results:** The testing parameters, test results and operating parameters are summarized in the Tables below:

Table 1: Raw Materials Handling Area

**TABLE 1: EPA Method 204 Criteria for Permanent Total Enclosure**

<b>Method Section Requirement</b>	<b>Results</b>	<b>Pass/Fail</b>
<b>5.1</b> Any NDO shall be at least four equivalent opening diameters from each VOC emitting point	> 4	<b>Pass</b>
<b>5.3</b> Total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four walls, floor and ceiling	0.03%	<b>Pass</b>
<b>5.4</b> The facial velocity shall be at least 200 fpm (0.007 "H <sub>2</sub> O). The direction of air flow through all NDO's shall be into the enclosure	0.0073 – 0.0526 Inward	<b>Pass</b> <b>Pass</b>
<b>5.5</b> All access doors and windows not included in section 5.3 and 5.4 shall be closed during routine operation	Closed	<b>Pass</b>

**VII) Comments & Concerns:**

None

**VIII) Overall Evaluation:** The test method conducted, and the data provided are sufficient to determine that the raw materials handling area meet the criteria for Permanent Total Enclosure and can be assumed to have 100% capture efficiency at the operating condition tested.

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