

# **APPENDIX D**

**PROCEDURE T—CRITERIA FOR PERMANENT  
TOTAL ENCLOSURE  
(SOURCE: 40 CFR 52.741, APPENDIX B)**

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**Definitions**

Natural Draft Opening (NDO)—Any permanent opening in the enclosure that remains open during operation of the facility and is not connected to a duct in which a fan is installed.

Permanent Total Enclosure (PTE)—A permanently installed enclosure that completely surrounds a source of emissions such that all VOC emissions are captured and contained for discharge through a control device.

**Criteria of a Permanent Total Enclosure**

- Any NDO shall be at least 4 equivalent opening diameters from each VOC emitting point.
- Any exhaust point from the enclosure shall be at least 4 equivalent duct or hood diameters from each NDO.
- The total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four walls, floor, and ceiling.
- The average facial velocity (FV) of air through all NDO's shall be at least 3,600 m/hr (200 fpm). The direction of air through all NDO's shall be into the enclosure.
- All access doors and windows shall be closed during routine operation of the process.
- All VOC emissions must be captured and contained for discharge through a control device.