

US Consumer Product Safety Commission
Log of Meeting

Subject: ASTM F15.72 Task Group Meeting on FMDs on Disposable Containers

Op Plan Product: Fire Safety of Portable Fuel Containers

Date: October 18, 2022

Location: Teleconference

Prepared By: Scott Ayers (sayers@cpsc.gov, 301-987-2030), October 19, 2022

CPSC Participants:

Scott Ayers

Non-CPSC Participants:

Josh Dinaburg	CSA Group
Harold Cunningham	Vexa group
Cheryl Atkinson	Portable Fuel Container Manufacturers Association

Summary of Meeting:

This was a sub-task group assigned to investigate testing large container volumes and larger container mouth areas to ASTM F3429. Testing of larger volume containers and larger mouths on containers presents a danger to the testing laboratories. This meeting was called to discuss what could be revised to make the tests safer to run but maintain the adequacy of product evaluation.

The members and staff agreed that reducing the size of the container was acceptable. As long as the mouth of the container, the shoulder of the container, and the FMD remain intact, changes to the container volume and geometry are acceptable. This change would reduce the risk to the laboratory when testing large volume containers.

The members and staff believe one of the two options for testing large mouths on containers may be considered. Either a testing laboratory could divert some premixed air-fuel flow through tubing to reduce the flow rate at the mouth when igniting the flame and then stop diverting the rest of the flow or a reduced air-fuel flow rate could be used to balance the flame at the end of the container mouth. Vexa group will investigate both options and report on if either is a viable option.

The group plans to next meeting in approximately a month to consider Vexa Group's findings.