



**SPECTRUM  
ENGINEERING  
INCORPORATED**

262-783-7725

January 24, 2022

Mr. Doug Koehler  
Principal Planner  
City of Waukesha  
201 Delafield Street  
Waukesha, WI 53188

**Subject: Firestone Building Products – 1245 Chapman Drive  
Proposed HFO Storage Tank System  
Application for Minor Development Review  
Spectrum Engineering Project No. 21866**

Dear Mr. Koehler:

On behalf of Firestone Building Products (Firestone), please find enclosed, the Application for Minor Development Review for installation of one (1) new HFO storage tank system, with space for one (1) future tank, planned at Firestone's Waukesha Facility.

Firestone uses a raw material called Opteon 1100 (also known as HFO) in their foam production process. The material is currently received in Isotainers and transferred to totes for adding to their Blend Tanks during the production process. Due to supply chain issues, Firestone is being required to provide a bulk storage tank system for this product, as it will no longer be available in Isotainers or totes. The Material Safety Data Sheet (SDS) for the Opteon 1100 is attached for reference. Opteon 1100 is a non-flammable, non-hazardous chemical that will be stored in a 250 psig rated pressure vessel (the proposed storage tank). This product is liquid at ambient temperature and pressure, and normally will not exceed a storage pressure of 12-15 psig. The proposed storage tank system consists of a 9,200 gallon capacity, horizontal, skid-mounted tank configuration, white in color, and as you requested, photos of a similar standard storage tank system are attached for reference only. A 7'-0" high, black chain-link security fence is currently planned around the perimeter of the secondary containment dike to match other fencing at the facility.

The proposed location for the new HFO storage tank system is on the east side of their existing facility, as indicated on the attached partial drawing set, 21866-A1, S-1, S-2 and M-8. The project includes the planting of two (2) new Eastern White Pine trees 6'-8' tall along Sentry Drive where previous plantings have failed or are missing, as discussed with the City during our recent conference call.

Firestone currently anticipates that the onsite construction would commence in early Spring 2022, and they plan to make the system operational by early August 2022.



Mr. Doug Koehler - City of Waukesha  
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These documents are being submitted for your kind assistance to include in the City of Waukesha's February 2022 Development Review meeting agenda, as a Minor Review.

Please call me or Mr. Tim Berry of Firestone with any questions or concerns with this submittal, or if any additional information may be required in order to be placed on the February meeting agenda.

Sincerely,  
SPECTRUM ENGINEERING INCORPORATED



Farhad Mohsenian  
President

cc: Timothy Berry / Firestone  
Kenneth Leary / Firestone  
Michael Nerviani / Firestone  
Jeff Noll / Spectrum Engineering Incorporated

Enclosures: - (1) full size pdf set of partial plans and specifications, dated January 11, 2022  
- (1) copy of Application for Minor Development Review  
- Opteon 1100 SDS  
- Photos of Standard Storage Tank Skid-Mounted System