BROWNFIELD
ENVIRONMENTAL ENGINEERING

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Chastain & Associates, LLC
Attn: Curtis Cook, P.E., Principal
6832 Stalter Dr., Suite 100
Rockford, IL 61108

February 27, 2025

RE: Village of Lee Material Investigation
Letter of Clarification for Soil Management

Dear Mr. Cook,

I am drafting this letter of clarification for soil management as referenced in the Village of Lee Material Investigation report by Brownfield dated February 11, 2025. The material investigation was initiated due to the presence of visual staining of the soil and petroleum odor of stockpiled excavated material at the site.

The Brownfield investigation confirmed the presence of soil staining and olfactory characteristics representing potential petroleum contamination in the excavated/stockpiled soil on site. The soil sampling effort documented elevated photoionization detector (PID) readings of 10ppm. The laboratory testing documented that the sampled material did not exhibit analytical results above the IEPA's maximum allowable concentration (MAC) limits or the IEPA's Tiered Approach to Correction Objectives (TACO) limits. However, the laboratory analysis did show the presence of the following soil contaminants:

- Ethylbenzene
- Toluene
- Xylene
- Arsenic
- Barium
- Chromium
- Lead

Based on the elevated PID readings, soil staining, petroleum odors, and the presence of soil contaminants, Brownfield recommends the stockpiled soils be disposed of at a Subtitle D Landfill to prevent the potential leaching of contaminants from the stockpiled soil into the surrounding area or groundwater.

Alternatively, the stockpiled soils can legally be placed on site in the same excavation from which they were generated from. However, doing so may allow soil contaminants to leach into the adjacent soils and groundwater.

Please feel free to contact me directly if you have any questions or need additional information. I can be reached at 815-713-9165 or brad@brownfieldusa.com.

Sincerely,

Bradley A. Brown

Bradley A. Brown, P.E.
Principal