

July 17, 2024

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FAIRCAST INC  
905 WEST DEPOT AVE  
FAIRFIELD IA 52556

ALDO ALBIERI  
CMT IMPORTS  
2930 GLENDALE MILFORD RD ST 330  
CINCINNATI OH 45241

**Re: Faircast Foundry (905 West Depot Ave, Fairfield, IA 52556)  
Contaminated Sites Database Site ID No. 1348  
Review of Phase II Site Assessment**

Mr. Neumann and Mr. Albieri:

The Iowa Department of Natural Resources (DNR) has received your Phase II report for the Faircast Foundry. Thank you for the submission. The report was generated for the purpose of a prospective purchase of the Faircast property. The DNR has reviewed the report for evidence suggesting the existence of a hazardous condition. The review has identified groundwater conditions suggesting the existence of a potentially hazardous condition (as defined in Iowa Administrative Code (IAC) [567 Chapter 131](#)). The Phase II indicates multiple volatile organic compounds (VOCs) in groundwater that exceed applicable target levels (Iowa DNR Statewide Standards (SWS) and/or EPA Maximum Contaminant Levels (MCLs)).

Based on the report findings, soil samples collected during the assessment indicate VOC, total extractable hydrocarbon (TEH), and polycyclic aromatic hydrocarbon (PAH) concentrations below applicable standards. Arsenic was found to exceed the SWS of 1.9 mg/kg in all seven samples collected, however, concentrations are within typical background levels found in Jefferson County and not necessarily associated with foundry operations. Please note, this determination is based on the limited amount of soil samples collected over the large property. Groundwater concentrations for TEH, PAHs, and Resource Conservations and Recovery Act (RCRA) metals were below laboratory detection levels or applicable standards. However, detections at sample location B-1 exceed applicable target levels for multiple chlorinated VOCs, including but not limited to, Trichloroethene, 1,1-Dichloroethane, and 1,1-Dichloroethene.

The DNR acknowledges the existence of an offsite source for cVOCs at the Former FKI Industries facility (Contaminated Sites ID# 649), located north/northwest of the Faircast site. Contaminant plume migration from the FKI facility has been documented to impact areas of the Faircast site, specifically, the western spent sand/slag yard portion of the site. Multiple FKI monitoring wells have been installed downgradient and cross-gradient of the general groundwater flow direction (south) to monitor plume migration from the FKI facility. However, cVOC concentrations found at sample location B-1 during this assessment are significantly higher than concentrations found in transitional wells between the suspected FKI release and the B-1 location on the Faircast site. FKI transitional wells MW-9 and MW-10 have recorded historic maximum 1,1-Dichloroethene concentrations of 535 µg/L and 640 µg/L, respectively. Groundwater sample B-1 yielded a 1,1-Dichloroethene

concentration of 12,900 µg/L during this Phase II assessment. The SWS target levels are 7 µg/L for a protected groundwater source (also the MCL) and 180 µg/L for a non-protected groundwater source.

With consideration of the conditions noted above, the Department cannot make a determination if the cVOC groundwater contamination found during this assessment is associated with the known Former FKI Industries release. Additional groundwater plume delineation is necessary to rule out multiple source areas. It is the understanding of the DNR that you would like to resolve this issue quickly since the site is undergoing a property transaction. In consideration of this, the DNR would be willing to set up a meeting to discuss current data gaps at the site and steps for additional assessment so the investigation process can continue to move forward without delay.

Please contact me with any questions at [\(515\) 721-7024](tel:5157217024) or by email at [andrew.carver@dnr.iowa.gov](mailto:andrew.carver@dnr.iowa.gov).

Sincerely,

Andrew Carver, CGP  
Environmental Specialist  
Land Quality Bureau

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