

October 29, 2025

SHAWN TOLLIN
WHIRLPOOL CORPORATION
600 WEST MAIN STREET
MAILDROP 2314
BENTON HARBOR MI 49022

**Re: Amana Refrigeration (2800 220th Trail, Middle Amana, IA 52307)
Contaminated Sites Database Site ID No. 468
Review of Groundwater Response Action Plan Addendum**

Mr. Tollin:

The Iowa Department of Natural Resources (DNR) has reviewed the Groundwater Response Action Plan (RAP) Addendum ([Doc# 42970](#)). Thank you for the submission. The RAP summarizes options for remediation of the chlorinated solvent source area and groundwater plume in order to achieve site closure and removal from the Hazardous Substance Disposal Sites Registry.

Currently, the selected remedy for the Amana site is monitored natural attenuation (MNA) of the petroleum volatile organic compounds (VOCs) and chlorinated VOCs through long-term monitoring. Contaminant plume migration is controlled through pumping of groundwater through production wells and discharge under a NPDES permit. Based on the report, selected remedies for the site include in-situ thermal remediation (ISTR) in the unsaturated zone of contamination while in-situ bioremediation and chemical reduction (Bio/ISCR) injections will be completed in the saturated zone. Proposed remedies which were not selected include soil excavation and air sparge/soil vapor extraction due to engineering or geological feasibility limitations. The DNR accepts the selected remedies and proposed performance monitoring. Please proceed with obtaining the necessary injection permits and beginning remedial work at the site.

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

Sincerely,

Andrew Carver, CGP
Environmental Specialist
Land Quality Bureau

cc: Iowa DNR Field Office #6, Washington, IA
Michael Sullivan, Iowa DNR, 6200 Park Ave, Ste 200, Des Moines, IA 50321
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