

**Fact Sheet**  
**Proposed Remedial Action**  
**Vishay Dale Electronics Plant 6 Facility, Columbus, NE**

**Facility ID: 71135      Program ID: RAP 36-336-5297**

The Nebraska Department of Environment and Energy (NDEE) is providing public notice of its intent to approve a Remedial Action Plan (RAP) for the Vishay Dale Electronics Plant 6 Facility in Columbus, Nebraska. This fact sheet provides background information on the site, a summary of contamination, a description of the proposed final cleanup levels and remedial actions, public participation procedures, and contact information.

**Site Location:** The site is located at 2064 12<sup>th</sup> Avenue Columbus, Nebraska 68601. The site is located in the southwest quarter of the northeast quarter of Section 20, Township 17N, Range 1E.

**Nature and Extent of Contamination:** Groundwater, soil, and soil gas at and downgradient of the site have been contaminated as a results of previous operations. The proposed remedial action will address on-site groundwater and soil contamination. Subsequent remedial action(s) will address on-site soil gas contamination; off-site groundwater and soil gas contamination; as well as any additional on-site and/or off-site remedial actions deemed necessary, as informed by investigation and remedial action activities at or near the site and performance monitoring of the proposed remedial action.

The primary contaminants of concern (COCs) in groundwater and soil are listed in Table 1. NDEE compared COC concentrations in soil and groundwater to site-specific Remediation Goals (RGs) and Nebraska Voluntary Cleanup Program (VCP) RGs to determine the significance of contamination. The exposure pathways for COC-impacted groundwater and soil on the Vishay Dale property are:

- Groundwater
  - Potential inhalation, ingestion, and dermal contact exposure to COC-impacted groundwater used as tap water for future residents, commercial/industrial workers, and construction/excavation workers
  - Potential ingestion and dermal contact exposure to COC-impacted groundwater during excavation activities (dependent on the depth of excavation) for current/future construction/excavation workers
  - Potential inhalation exposure to outdoor air and indoor air through volatile emissions from COC-impacted groundwater by future residents, current/future commercial/industrial workers, and current/future construction/excavation workers

- Surface soils (depths of 0-3 feet)
  - Potential inhalation, ingestion, and/or dermal contact to COC-impacted surface soils by future residents
- Subsurface soils (depths greater than 3 feet):
  - Potential inhalation exposure to COC-impacted groundwater via leaching from subsurface soil for future residents, current/future commercial/industrial workers, and current/future construction/excavation workers
  - Potential ingestion and dermal contact exposure to COC-impacted groundwater via leaching from subsurface soil for current/future construction/excavation workers
  - Potential inhalation exposure to outdoor air and indoor air from soil gas in COC-impacted subsurface soils by future residents, current/future commercial/industrial workers, and current/future construction/excavation workers

**Groundwater Remedial Action Class:** NDEE assigns a remedial action class (RAC) to a groundwater pollution event to determine the importance of remedial action based, in part, on the use of the groundwater in the area (Nebraska Title 118, Appendix A, Step 8). Groundwater that is brought used as a public drinking water supply or is within the Wellhead Protection Area (WHPA) of one or more public drinking water supply wells is assigned the highest remedial action class of RAC-1. NDEE typically requires extensive cleanup of groundwater that is classified as RAC-1. When the use of groundwater in the area is more limited, the groundwater is assigned a remedial action class of RAC-2 or RAC-3. Generally, groundwater cleanup will be less extensive for these classifications.

The pollution event for this site has been classified as a RAC-1 since the groundwater at the site is in the Columbus WHPA.

**Proposed Final Cleanup Levels:** NDEE is proposing the final cleanup levels shown in Table 1, below, for the Vishay Dale property. The proposed final cleanup levels are based on the requirements to reduce the concentrations of COCs in groundwater and soil in order to prevent exposures of COCs to people from the pathways listed above. Cleanup is not required to achieve the RGs for the potential inhalation exposure pathways; however, the proposed remedial action must ensure there are no exposures via the inhalation pathways.

Table 1. Proposed Final Cleanup Levels

Contaminant	Groundwater <sup>(a)</sup> (µg/L)	Soil <sup>(b)</sup> (mg/kg)
Tetrachloroethene	5	0.269
Trichloroethene	5	0.212
cis-1,2-Dichloroethene	70	2.45
1,1-Dichloroethane	2.8	0.094
1,1,2-Trichloroethane	5	0.193
Vinyl Chloride	2	0.081

µg/L - micrograms per liter

mg/kg - milligrams per kilogram

<sup>(a)</sup> NDEE Voluntary Cleanup Program Remedial Goals, Table A-1: Direct Contact Exposure Pathway - Groundwater (March 2021)

<sup>(b)</sup> Remedial Action Plan, Appendix E: Site-Specific Calculations (for soil under the Plating Addition building)

**Proposed Remedial Actions:** NDEE is proposing the following remedial actions:

- A pre-design investigation to inform the remedial design
- On-site, *in-situ* groundwater treatment to cleanup groundwater to the proposed final cleanup levels in Table 1
- Installation of a permeable reactive barrier to prevent further off-site migration of the contaminants in groundwater
- Groundwater monitoring to evaluate the performance of the remedy
- An Environmental Covenant that includes a provision to maintain the integrity of the building footprint to prevent direct contact exposures to COC-impacted soils

The proposed remedial actions are described in more detail in the RAP, dated February 2025 (NDEE Document ID 20250015486). The RAP and supporting documents are available online at <https://dee.nebraska.gov/> by selecting "Public Hearings/Notices" at the bottom of the page, then selecting "Vishay Dale Electronics Plant 6". This will provide all site documents since the site joined the VCP. To view documents from before the site joined the VCP, please go to <https://ecmp.nebraska.gov/PublicAccess/index.html?MyQueryID=340>, and type "71135" into the "DEQ Facility Number" field and select "IWM" from the "DEQ Program" dropdown box. Individuals requiring special accommodations or alternate formats of materials should notify the Department by calling 402-471-2186. TDD users should call 800-833-7352 and ask the relay operator to call the Department at 402-471-2186. Si necesita traducción de documentos al Español, por favor llame a NDEE al 402-471-2186.

**Public Participation Procedures:** Any person may submit written comments regarding the proposed remedial action and may also request a public hearing, in writing, on or before June 12, 2025. A request for a public hearing must state the nature of the issue(s) to be raised and all arguments and factual

grounds supporting such position(s). If the Director grants a public hearing, the hearing will be advertised by public notice at least 30 days prior to its occurrence. Comments and hearing requests should be emailed to [ndee.vcpbrownfields@nebraska.gov](mailto:ndee.vcpbrownfields@nebraska.gov) or mailed to:

Thomas Buell  
Division Administrator  
Monitoring and Remediation Division  
Nebraska Department of Environment and Energy  
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*Please note that physical mail must be post-marked no later than June 12, 2025 to be accepted.*

Please contact Kris Guthrie at [kris.guthrie@nebraska.gov](mailto:kris.guthrie@nebraska.gov) or 402-471-2186 with questions or for more information.

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