



Nellesen, Shelly <shelly.nellesen@dnr.iowa.gov>

Re: Clinton Engines Annex vapor barrier

Nellesen, Shelly <shelly.nellesen@dnr.iowa.gov>

Wed, Apr 8, 2026 at 10:01 AM

To: Bonnie Mitchell <curator@jciahs.com>

Cc: James Goodrich <James.Goodrich@oneatlas.com>, D Davidson <dansal_239@yahoo.com>

Bonnie,

Thanks so much for update. That sounds like a great plan. Can you please include the installation documentation with the next submittal for the site? Once it's submitted, I'll upload the documents to our database so it's memorialized in the site file.

Thanks,

Shelly Nellesen**Environmental Specialist Sr.**

Solid Waste and Contaminated Sites Section

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On Thu, Apr 2, 2026 at 11:12 AM Bonnie Mitchell <curator@jciahs.com> wrote:

Dear Shelly,

We wish to share with you the JCHS plan to prevent in-ground pollutants like TCE and other VOCs from entering the new annex to an existing building at the Clinton Engines Site. This annex is a post and frame type of building (a type commonly used for machine sheds) that provides protection from sun, rain, snow and heavy winds. Due to the construction type, there is a great amount of natural ventilation. The annex is 40 ft x 60 ft and is intended to expand our Clinton Engines exhibits and parts inventory. As is common with this type of structure, the walls and roof are installed before the floor is finalized. We have reached the stage where we are ready to install a concrete floor.

Due to local terrain, the floor will be at or above grade level. Other buildings on the site with foundations at grade level have only a generic plastic sheet under the concrete and have never shown detectable pollutant concentrations when tested. This includes the larger building to which the annex is attached. However, in light of concerns that problems could exist in the future JCHS has elected, as a precautionary measure, to install a dedicated vapor intrusion barrier beneath the new slab.

To address potential vapor intrusion through the slab and other relevant pathways, JCHS will require the installation of Drago Wrap: Vapor Intrusion Barrier manufactured by Stego Industries, LLC. This material is specifically designed and engineered for under-slab applications where mitigation of vapor intrusion from contaminated soils is a concern. A product data sheet has been added for review, which includes the material's published permeation coefficients for TCE and other chemicals of concern.

Prior to installation, JCHS will require the vapor barrier installation contractor to coordinate with the vapor barrier manufacturer to complete pre-installation training. Following installation and prior to slab placement, JCHS will require the contractor to coordinate with the manufacturer to obtain an installation

review letter, supported by photographs of representative portions of the work. This documentation will confirm that the installation is consistent with manufacturer recommendations, applicable ASTM standards, and accepted industry best practices. The documentation will be retained for project records and made available upon request.

Thanks,
Bonnie

Bonnie Mitchell

JCHS Curator

Jackson County Historical Society

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(563)249-1776

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