

Neighborhood Update

Madison Kipp Corporation Investigation & Cleanup
Wisconsin Department of Natural Resources (DNR)



Date: 04/08/2014

To keep the neighborhood well advised of progress in the investigation and cleanup at the Madison Kipp Corporation Property, DNR will release updates directly to neighbors through the DNR's website (dnr.wi.gov, search: "Kipp") and through this e-newsletter system. DNR will make efforts to notify property owners and tenants, in advance, when specific data is released that references their property or an adjacent location.

Update on rain garden remediation

Remedial activities for the rain garden are set to begin Monday, April 7, 2014. In accordance with the work plan, identified soils will be excavated and transported off site for appropriate disposal. More information about the excavation can be found in the [January 1, 2014 update](#).

It is anticipated that the activities will last approximately one month. It is expected that the first week will be for excavation. Then there will be a week waiting for results, followed by a week for backfill. The area will be blocked off while waiting for results.

Work will be performed between the hours of 7 a.m. and 7 p.m. Work will not be continuous and no work will be conducted on holidays. During the work you may notice equipment noise at the rain garden and on the Madison-Kipp property, and additional truck traffic on Waubesa Street and Atwood Avenue.

A pamphlet regarding soil contamination in community gardens from the UW-Extension can be accessed here:

<http://learningstore.uwex.edu/Assets/pdfs/A3905-03.pdf>

Annual Report

Arcadis, MKC's environmental consultant, has released its annual report of environmental activities as required by DNR. The report includes a brief summary of the site history, a description of investigation and remedial activities conducted between February and December 2013, in addition to a summary of the observations and analytical results from those activities and recommendations for future activities.

Information on prior activities completed before February 2013 have been previously documented in the [Site Investigation Work Plan](#), dated May 31, 2012, and [Site Investigation and Interim Actions Report, February 2012 – January 2013](#), dated March 15, 2013.

Activities from January 26 - December 31, 2013 are documented in this report. This includes the following activities: Underground Storage Tank (UST) Investigation, PCB Investigation Activities, PAH Background Study, Groundwater Remediation and Monitoring, Office Air Sampling, Soil Vapor Extraction System (SVE) update and Sub-Slab Depressurization System (SSDS) update.

[Click here](#) to view the report. The tables for the report are in a separate document that can be accessed [here](#).

Soil Vapor Extraction System (SVE) Progress Report

A summary of activities related to the SVE system's operation from January 1 through February 28, 2014 has been released by Arcadis. The report includes the analytical data collected from the system, extraction well manifold monitoring data and estimates of various post-carbon emissions.

[Click here](#) to view the report. A hard copy to the report is also available at the Hawthorne Public Library.

Groundwater Remediation Update

With the bedrock extraction well pump tests completed, Arcadis has now released the [Basis of Design for Proposed Groundwater Extraction and Treatment System](#). The design document provides an overview of the completed pre-design investigations which include previous tests with groundwater extraction wells and influent water quality data.

The report also offers a preliminary assessment of the potential on-site reuse of the effluent water for various activities at the MKC facility. Preliminary evaluation indicates approximately 22 gallons per minute (gpm) can be reused for MKC Facility processes, the groundwater extraction and treatment systems (GETS) will discharge 45 gpm. A final determination of water reuse alternatives will be identified in the full scale design document.

The proposed GETS design includes the volatilization of VOC contaminants in an air stripper to achieve suitable quality water for potential reuse at the site for facility operations or for discharge to the local storm sewer in accordance with state discharge limits. Off-gas vapors from the air stripper will also be treated using vapor phase granular activated carbon (GAC) before discharge to the atmosphere. Effluent sampling will be used to evaluate the need for treatment of gas vapor in accordance with state regulations. Details concerning the specific design of the system can be found in the report.

The GETS will contain the groundwater plume of PCE found underneath it by altering the hydraulic conductivity of the nearby groundwater; the system will be drawing water from the aquifer which will slow the flow of the contaminated groundwater from the source area.

The report is currently being reviewed by the DNR. If approved, the full scale design of the GETS would be completed this spring with the subsequent permitting, installation and startup of the system anticipated in summer 2014.

[Click here](#) to read the report. A hard copy to the report is also available at the Hawthorne Public Library.

Additional Resources

Where Can I Find More Information?

- Website:** dnr.wi.gov: Search "Kipp"
- Public Document Repository:** Hawthorne Public Library Information Desk
For hours and contact information visit
www.madisonpubliclibrary.org/hawthorne, 608-246-4548

Whom Can I Contact to Ask a Question or Make a Comment?

- DNR Soil/Groundwater Cleanup & General Community Concerns:** Linda Hanefeld, WDNR Team Supervisor
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- Health Effects of Contamination:** John Hausbeck, Public Health – Madison & Dane Co.
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