

Neighborhood Update

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



Date: 08/26/2014

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.

Department Responses to Neighborhood Questions

We would like to share the following responses the department has given to questions received from community members regarding recent cleanup issues, including the Goodman Center's planned installation of a splash pad. Public Health Madison & Dane County (PHMDC) has also released a review of the health concerns related to the installation of the splash pad. It can be accessed [here](#).

Why has no soil testing been performed prior to the excavation of soil for construction projects at the Goodman Community Center?

From 1986 – 2008 The Goodman Center property underwent an environmental investigation and remediation. The site completed this process and it was "closed" (i.e., the department determined no additional work was necessary) on October 24, 2008; the closure letter can be found [here](#). Site conditions at the time of closure included an allowance of residual contamination in the soil, as long as it remained inaccessible (by capping the contamination), so as to pose no danger to the occupants of the site. This is a common occurrence in environmental remediation plans. The cap at the Goodman site consists of buildings, asphalt, concrete and clean soil.

In addition to maintaining a barrier over the residual contaminated soil, the soil, if it were to be excavated, also needs to be properly managed. The closure letter requires sampling at the time an area of contaminated soil is being excavated. The primary purpose for this requirement is to ensure the contaminated soil is characterized and disposed of properly. In the case of the Goodman Center, the contractors assumed the soil to be a solid waste due to the presence of residual contamination, and disposed of the contaminated soil in a licensed landfill. Landfilling is an acceptable method of managing contaminated soil.

Why has the department not required more testing to be done at the Goodman Community Center site (including in/under the Goodman building) to be sure children there are not being exposed to harmful chemicals known to be present at the Goodman site and Kipp?

The Goodman Center property went through an extensive environmental investigation and remedial effort in the past, and was closed by the department in 2008. Information concerning the department's decision to close the site can be found in the closure review memo taken from the site file, available [here](#). The memo explains site conditions and why the site conditions do not appear to warrant additional sampling.

Regarding vapor intrusion (VI) testing in particular, the department believes that, based on data collected from vapor wells along the bike path and the groundwater monitoring well network, which includes wells installed in the Goodman Center parking lot and a well bordering the bike path, contamination of the water table (that "layer" of water that first saturates soil, for lack of a better way to distinguish the "water table" from the "deep aquifer") does not extend off-site. It is only contamination at the water table that can affect vapor issues (it is only the contamination at the water table that is able to interact with the air in soil pore space in order to become a vapor issue). Therefore, additional vapor testing isn't being pursued at this time.

What will the department be doing to ensure the installation of the splash pad at the Goodman Community Center will not endanger the health of children who use the center?

The department, along with Public Health Madison and Dane County (PHMDC), has been in contact with the Goodman Center staff regarding the splash pad installation.

Before the construction of the Goodman Center an environmental investigation took place that necessitated remediation of hazardous chemicals. As part of the environmental cleanup, some residual soil contamination was allowed to stay on-site provided an appropriate barrier (i.e., pavement, clean soil) was maintained above it. Since the excavation required for the installation of the splash pad disturbed the barrier, a concrete cap in this instance, certain regulations were followed.

The department required the excavated soil to be disposed of properly, as a solid waste, in accordance with the previous closure requirements for the site. Clean fill was brought in to replace the soil beneath the pad that will serve as a replacement for the direct-contact cap currently required in this location.

When the work is completed the department will receive a final written report documenting the construction of the final pad and associated plumbing. There will be no additional testing of the soil prior to landfilling. Also, given the data available for the site from previous investigative work, no vapor sampling will be performed.

PHMDC has also released a review of the health concerns related to the installation of the splash pad. It can be accessed [here](#).

**Will the surrounding soil/groundwater contaminate the water tank?
What about the water that will be used to run the splash pad?**

The Department of Natural Resources does not regulate the tank and/or the recirculating water system being used for the splash pad. It is possible the tank may be under water at some point given that the water table in the area is about 7-10 feet below ground; however, there was no need to dewater the excavation pit during the tank's installation. Shallow groundwater testing near the area indicates that the tank would not be in danger of being contaminated. In addition, the installed tank is constructed out of an impermeable material.

The water being used for the splash pad will come from the municipal system; the water supplied through the municipal system is routinely tested for contaminants. According to the PHMDC review, "Similar to local swimming pools throughout the City of Madison, the water will be routinely tested and treated as necessary to protect the safety of splash pad users."

Why has the department ceased residential vapor intrusion testing?

The department has released *Review of Vapor Sampling Results for the Neighborhood Surrounding the Madison Kipp Corporation* which includes an overview of the vapor intrusion investigations and the following concluding remark:

The extent of tetrachloroethene (PCE) vapor intrusion health risk to residents in homes near the MKC property has been defined. The current data indicate that the health risk from vapor intrusion in the neighborhood due to PCE contamination of soil and shallow groundwater from MKC property has been quantified and addressed through installation of sub-slab depressurization systems.

Will Lake Monona be affected by MKC's groundwater contamination, since it is moving south?

Before the full system of groundwater monitoring wells was in place to collect data concerning the tetrachloroethene (PCE) plume, this question was unable to be answered. Now that a volume of data has been produced by the 16 wells surrounding MKC, an analysis can be done to determine the fate of the contaminated plume of groundwater.

It is believed PCE from the Kipp facility has been in the environment for approximately 40 years; the plume has stabilized. Since the regional hydraulic gradient for the deep aquifer does run southeast, the plume has extended an estimated 1,900 feet towards Lake Monona. However, because it appears the plume has stabilized, there will be no danger of it reaching Lake Monona, which is still approximately 800 feet away. Arcadis' evaluation of the PCE plume can be accessed [here](#).

Why has the department not released a document online?

The environmental investigation at MKC has covered a wide variety of issues and has produced a voluminous amount of reports.

As MKC's environmental consultants submit reports to the department, they are reviewed and responded to with an approval, denial or amendments. On the website, intermittent updates are given when significant discoveries or work is being done at the site, especially events that will impact the neighborhood. As a result some incremental reporting, such as bi-monthly reports from ongoing testing, are not reported on the website as they occur. Many times this data does accompany other reports that are submitted and uploaded on the site, such as the *Arcadis Annual Report 2013*.

If one would like to review all of the documents, they can be accessed via a "public records" request. Also, a physical copy of the documents posted online can be found at Madison Public Library's Hawthorne Branch, 2707 East Washington Ave, Madison.

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
608.275.3310, linda.hanefeld@wisconsin.gov

Health Effects of Contamination: John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 08/25/2014

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End of rain garden remediation

Remedial activities for the rain garden have been completed. In accordance with the [work plan](#), soils containing high levels of polychlorinated biphenyls (PCBs) in the rain garden were sampled, excavated and transported off site for appropriate disposal.

Due to the continued discovery of soils containing PCB's above the DNR's industrial contact residual contaminant level (RCL) during confirmation sampling, three successive excavations took place at the site. Two soil samples from the third excavation, which occurred on the edge of the rain garden parcel, were found to be above the RCL.

The first, sample RG-34, was located the Madison Gas and Electric utility buffer zone and contained PCBs at a concentration of 1.29 parts per million (ppm) total PCBs; the industrial standard is 0.77ppm. Due to its inaccessibility, this sample and some others that tested marginally over the standard had to be left due to access issues.

The other sample, RG-35, is accessible, but since it comes from an area outside the rain garden parcel it will be addressed in a separate report.

These excavations mark the end of the work being done on the rain garden parcel; soils at the garden have been removed to the extent practical to either below the DNR's industrial contact RCL, or to the extent that they could be safely excavated based upon the need to maintain Madison Gas and Electric utility buffer zones.

[Click here](#) to view the report.

Groundwater remediation update

As reported in the April 8, 2014 update, Arcadis has been in the process of designing a groundwater extraction and treatment system (GETS). The initial

plan for the system has been approved by the department and Arcadis is now working on a full scale design for the GETS.

Groundwater sampling data, including the most recent data that was collected in July of this year, can be found [here](#).

Additional Resources

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Neighborhood Update

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



Date: 06/09/2014

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 MKC subsurface building investigation

As mentioned in [Neighborhood Update – 1/15/14](#), Arcadis began performing additional soil sampling beneath the MKC factory floor during a December 2013 shutdown of the plant. The purpose of this additional testing was to delineate the extent of polychlorinated biphenyl (PCB) and volatile organic compounds (VOC) contamination underneath the factory.

Between December 2013 and February 2014 a total of 27 soil borings were advanced beneath the main factory's footprint, at locations chosen under the direction of both DNR and the U.S. Environmental Protection Agency (EPA). As many as three soil samples were collected per boring at varying depths above the water table or where refusal was encountered. The samples were laboratory tested for a variety of VOCs and PCBs.

Concerning VOCs, only one of the samples collected, B-190 from 0 to 2 feet below land surface, exceeded the industrial direct contact residual contaminant levels (RCLs) for tetrachloroethene (PCE) which was detected at 2,400 milligrams per kilogram (mg/kg) and trichloroethene (TCE) which was detected at 150 mg/kg. The boring is located in the north parking lot and will be managed using the paved parking lot as an engineered barrier.

Concerning PCBs, 26 of the 72 samples contained PCBs above 1 mg/kg and 15 samples were detected above 50 mg/kg. Soils contaminated with PCBs above 50 mg/kg need to be disposed in special landfills approved to accept PCB-contaminated wastes. These locations are presented on Figure 2 of the report. The highest PCB concentrations are located adjacent to the historical concrete trench located in the middle of the facility, running north to south. DNR and EPA are working together to determine an appropriate response action to the documented PCB contamination beneath the building.

[Click here](#), to view the report.

PCE Plume Evaluation

With a large system of groundwater monitoring wells now in place to collect data concerning the tetrachloroethene (PCE) plume, Arcadis has chosen to analyze the large amount of data that has been generated by these wells to evaluate the plume's stability and its ultimate fate. In their report, [*Evaluation of Plume Stability and Fate and Transport Modeling for PCE in Bedrock Groundwater*](#), a statistical analysis of current and past groundwater data collected from the site is analyzed to determine the plume's stability. In addition, a mathematical model was used to simulate the fate and transport of the PCE plume in order to forecast its movements and create a quantitative framework in which to view the groundwater data.

The collated sampling data was charted and statistically analyzed first to verify its statistical significance, to ensure that the data was accurate and fit to be used. Results show that 12 of 22 monitoring wells tested had a sufficient amount of data to support quantitative statistical analysis and, of those, seven showed statistically significant evidence of decreasing PCE concentration trends over time.

For the remaining five monitoring wells with a sufficient amount of data for quantitative analysis there is a clear decreasing or stable PCE concentration trend over time, but too much scatter in the data to be statistically significant. The one exception was MW-4S which had a sufficient amount of data to support quantitative statistical analysis, but showed an increasing trend that was statistically insignificant.

The analysis also includes an examination of how the geologic conditions have affected the plume's shape, movement and stability. The position of unit well 8 is also discussed in respect to the PCE plume.

The second half of the report covers the use of a mathematical model to determine the fate and transport of the PCE plume. The model simulates the many processes that act upon the plume: groundwater flow in bedrock fractures, dispersion, molecular diffusion in bedrock matrix blocks (also known as matrix diffusion), hydrophobic sorption, and chemical degradation due to both biotic and abiotic degradation processes. The report discusses the two most influential processes, matrix diffusion and degradation, in detail.

The computer model was adjusted to mimic the specific conditions found at the site. These parameters were collected from previous site investigation work or scientific literature; two parameters were estimated during model calibration, matrix tortuosity and PCE degradation rate. When the model was run these two values were adjusted until modeled PCE concentrations were consistent with measured concentrations, thereby indicating an accurate model was achieved.

Once completed, the model was shown to simulate the PCE transport in bedrock beneath the site. In addition, the estimated numbers that were finally used in the model were found to be realistic and within the range of published literature values.

When the model is run it shows the PCE plume stabilizing after 45 years, this is consistent with the real data that shows a now stable plume after an estimated 48 years since release from the MKC property. The model was also run 5, 10 and 20 years into the future. Results showed that the plume should not migrate, suggesting that the Unit Well 8 should not be impacted.

[Click here](#), to view the report.

[Click here](#), to view the most recent groundwater sampling data.

Residential Backyard Work

Starting June 6th, contractors on behalf of MKC will begin working in the backyards of some homes on Waubesa and Marquette Streets under the terms of the legal settlement that was reached between MKC and certain adjacent homeowners.

Rain Garden Update

Excavation and confirmation sampling have been completed; a report on the excavation is forthcoming. As noted in the [neighborhood update from January 23, 2014](#), City of Madison staff and/or city contractors will complete the re-planting and establishment of rain garden vegetation.

Additional Resources

Where Can I Find More Information?

Website: dnr.wi.gov: Search "Kipp"

Public Document Repository: Hawthorne Public Library Information Desk
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Health Effects of Contamination: John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 04/08/2014

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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.

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Neighborhood Update

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



Date: 03/07/2014

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Upcoming availability session

An availability session will be held at the Goodman Community Center on March 19 from 6:00 to 8:00 p.m., where representatives from Madison-Kipp Corporation (MKC), Arcadis (MKC's environmental consultant), Wisconsin Department of Health Services (DHS) and Public Health Madison & Dane County (PHMDC) and the DNR will be available to answer questions in an open house format following a presentation by MKC.

Update on polynuclear aromatic hydrocarbon (PAH) background sampling

In 2012, the soil in the backyards of residences that share a property boundary with the MKC property were sampled for the presence of PAHs. As a result of that sampling, exceedances of the DNR's non-industrial direct contact residual contaminant levels (RCLs) were detected. MKC's environmental consultant, Arcadis, evaluated the data and determined the PAHs found in the backyards represented background concentrations. This evaluation is summarized in a document entitled, *Polynuclear Aromatic Hydrocarbons (PAHs) Evaluation* and dated January 21, 2013.

[Click here](#) to view the report summarizing Arcadis' findings.

The DNR, in consultation with both state and City health representatives determined that background soil sampling for PAHs would be necessary.

[Click here](#) to review the letter requiring the background sampling.

As mentioned in the neighborhood update from December 20, 2013, the DNR approved an amended [PAH sampling work plan](#) submitted by Arcadis on August 1, 2013. The purpose of the work was to determine the presence, concentration and chemical profile of PAHs in Madison residential areas to determine if PAHs found near the MKC facility were background and therefore typical of soil found in Madison.

The proposal included sampling soil from 24 borings for PAHs on city of Madison or right-of-way property, with the exception of two borings, which were located on the Lowell Elementary School property. The sampling was completed the week of December 16th.

The results from the sampling show that each of the soil samples contained one or more PAHs above the DNR's non-industrial direct contact residual contaminant level (RCL). Nine of the 24 samples (23, plus one duplicate) contained one or more PAH above the DNR's industrial direct contact RCL.

To evaluate the data, the report, [Polynuclear Aromatic Hydrocarbons \(PAHs\) Background Study](#), February 7, 2014, compares the background samples collected around Madison to previous residential soil samples analyzed for PAHs that were collected as part of the original site investigation in 2012; these residential soil samples were previously evaluated by Arcadis in, [Polynuclear Aromatic Hydrocarbons \(PAHs\) Evaluation](#), January 21, 2013.

The report compares 60 of the 341 residential PAH samples, collected in 2012 and analyzed in the 1/21/13 report, to the background samples that were just collected in concentration and chemical profile. The 60 residential samples, designated RES in the report, were collected from approximately 120 to 500 feet away from the approximate center of the MKC site, with an average distance of 290 feet.

A comparison of RES and background (BG) data shows the PAH concentration of both samples to be similar. A variety of statistical assessments are used in the report to support this. For example, the geometric mean for the total PAH concentration for the BG and RES data sets are 1.61 and 1.39 milligrams per kilogram (mg/kg), respectively. Rank-ordering the PAH concentration also shows overlap.

In regards to the chemical profile of the PAHs, the BG data was found to be consistent with coal and or cinder sources (coal combustion) based on the relative proportions of the various discrete PAH compounds analyzed. The RES profile matches very closely with the BG profile, indicating that they were derived from a similar source. In depth information regarding the chemical profiling of the RES data can be found in the January 21, 2013 PAH evaluation report, [Polynuclear Aromatic Hydrocarbons \(PAHs\) Evaluation](#).

Finally, the RES and BG data was tested for a trend (visual or statistical) regarding total PAH concentration versus distance from the MKC site. A Log-Log linear relationship was tested (to minimize high influence for physically distant or high concentration data point). A regression line for both was generated and the coefficient of determination (R^2) was calculated for each, and neither was close to being statistically significant. This shows that, for the data collected, no

statistically meaningful relationship was found between the concentration of PAHs and the distance to the MKC facility.

[Click here](#) to view the new report.

The DNR, along with state and local health officials, agree that the contamination is background and will not require additional remediation; click [here](#) to see the DNR's review of the new report.

The city of Madison has also released the following statement regarding the issue; it can be found [here](#).

Update on office air sampling

As mentioned in the [neighborhood update from January 15, 2014](#), MKC's consultant, Arcadis, has completed indoor air sampling in non-manufacturing areas of the MKC facility. Samples were collected from the following areas: five locations within the first floor office area; two samples in crawlspace entrances; and an ambient air sample collected outside the east side of the office building.

The samples were tested for five volatile organic compounds (VOCs): tetrachloroethene (PCE), trichloroethene (TCE), cis-1, 2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride.

The analytical results of the indoor air samples were compared to Wisconsin's non-residential indoor air action levels. The results of the crawlspace samples were compared to Wisconsin's sub-slab vapor action levels for large commercial/industrial buildings. Results for all five samples were below the non-residential indoor air action levels, with the exception of indoor air sample IA-5.

Sample IA-5, located in the northeast corner of the office building, contained a non-residential indoor air exceedence for trichloroethene (TCE). The location was re-sampled and the results were below the action levels for all five VOCs. The location will be tested again in 6 months to confirm the air quality in that area.

The DNR is currently reviewing the results to determine if further action is necessary.

[Click here](#) to view the report.

Update on groundwater remediation

The [neighborhood update from January 15, 2014](#) stated that the bedrock extraction well pump test would be conducted the week of January 20th. However, due to the low temperatures the test had to be delayed; water was freezing up the tubing used during the test. When sufficiently high temperatures are experienced, the pump test will be conducted.

The In-Situ Chemical Oxidation (ISCO) injections, also mentioned in the update from 01/15/14, will be taking place sometime in April. The DNR has granted Arcadis permission to perform the work, the letter can be found [here](#).

We would also like to share the following responses the DNR gave to questions received from the Schenk-Atwood-Starkweather-Yahara (SASY) Neighborhood Association regarding the pump test and groundwater extraction and treatment system.

1. Groundwater extraction: At what depth is the water being pumped?

Groundwater will be extracted from a single on-site well between 60-175 feet below ground surface.

2. How much will be pumped, when will it start, and for how long? What pollutants are in water, at what concentrations?

The step tests are completed and the 24 hour pump test will begin Friday noon and go to Saturday noon. Recovery water levels will be collected until Monday morning. The pump test will operate from 40-50 gallons per minute. The pollutants are volatile organics including tetrachloroethene (also known as tetrachloroethylene or PCE or PERC). The water pumped thus far has not been tested – acceptance of the water by the MMSD was based upon the data (contaminant concentrations) collected from the monitoring wells in the area of pumping well influence – this essentially represents a worst-case scenario. Once pumping starts, it is likely less contaminated, and possibly uncontaminated, groundwater will be drawn into the pumping well, thereby reducing the concentrations of contaminants that are being discharged to the treatment plant.

3. Treatment: How are the pollutants being treated before release? What levels will be allowed in the released water?

The pollutants in groundwater have not been treated before being sent to the MMSD. There will be routine testing of the water being delivered to the MMSD to determine “real” concentrations of contaminants being delivered to the treatment plant once the preliminary pump testing is completed. However, the answer to #5

demonstrates there are several options being considered for how the pumped groundwater might be handled once the system is in “full operation” mode.

4. Disposition: It appears from the Update that the pump test water is going (or has gone already) into the MMSD sanitary sewer system. Was this water treated?

The pump test water is being sent untreated to MMSD.

5. Will the post-treatment water also enter the sanitary sewage system? Will it also be routed via hose into the sewer on the bike path? Why can't it be pumped into the sanitary sewer right on MKC property?

The step test water also went to untreated to MMSD. Several options are being considered for the long term recovery water. The water could be treated and sent to surface water, the water could be re-used as noncontact cooling water or sent untreated to MMSD. No final decision has been made at this time.

6. General: What geographic area (horizontal and vertical) of on-and-off-site groundwater is this system expected to remove and treat? How will effectiveness and an end-point be determined for this process? Are other approaches to treating the groundwater being considered?

The long term recovery pumping will draw water from onsite as far as well MW17 and off site as far as well nests MP15 and MP16. The final groundwater extraction system will operate until groundwater enforcement standards are met and maintained at the following locations: MP14, MP15, MP16 and MW17.

In addition to the groundwater pumping, In situ chemical oxidation (ISCO) will be applied to the contaminated groundwater lying within the unconsolidated material on site, primarily in the area of the north parking lot. This will be done prior to the long term pumping.

Additional Resources

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Neighborhood Update

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



Date: 01/23/2014

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

As noted in the [neighborhood update from December 20, 2013](#), the rain garden soils, which exhibit PCB contamination, will be excavated to a depth of four feet inside the excavation area. The contaminated soil will be disposed of at an approved and licensed solid waste landfill.

Sidewall and base confirmation soil sampling – based upon 20 feet spacing– will be performed to determine residual soil PCB concentrations; approximately 27 base and side wall samples will be collected.

The excavated areas will be backfilled using clean fill soils. City of Madison staff and/or city contractors will complete the re-planting and establishment of rain garden vegetation.

The excavation was originally schedule to be completed the week of January 27th. However, due to unforeseen circumstances, the excavation will be rescheduled for a future date to be determined. When a date is selected, a neighborhood update will be released to notify the community.

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
608.275.3310, linda.hanefeld@wisconsin.gov
- Health Effects of Contamination:** John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 01/15/2014

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.

Current groundwater sampling and remediation work

In the previous neighborhood update, it was incorrectly stated that the In-Situ Chemical Oxidation (ISCO) injections would no longer be performed. ISCO injections in the unconsolidated material will move ahead as initially proposed by Madison-Kipp Corporation (MKC). While the DNR is not requiring the injections, MKC is obligated to perform them per the resolution of the citizen's suits. The work will take place sometime after completion of the pump test.

The aforementioned bedrock extraction well pump test will be conducted the week of January 20th provided the installation work is completed; that work is taking place now. The Madison Metropolitan Sewerage District (MMSD) has agreed to process the pump test water.

Update on rain garden remediation

Field work is tentatively planned for the week of January 27th.

MKC building investigations

In accordance with the approved "[*Indoor Air Sampling Work Plan*](#)," indoor air sampling has been completed in the non-manufacturing areas of building.

Also, additional PCB sampling within the building floor was completed during the December shutdown. Analytical results from both are expected within a few weeks.

Additional Resources

Where Can I Find More Information?

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Neighborhood Update

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



Date: 12/20/2013

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.

Second addendum to site investigation report released

On September 30, 2013, a second addendum to the "[Site Investigation and Interim Actions Report 2012 – January 2013](#)" was submitted to the DNR by Madison-Kipp Corporation's (MKC) environmental consultant, Arcadis.

This second addendum provides the additional information as requested in DNR's June 20, 2013 response letter.

[Click here](#) to view the second addendum.

Current groundwater sampling and remediation work

As discussed in the previous neighborhood update, the DNR approved a "groundwater remedial strategy" for the site which includes: the construction of several additional monitoring wells and the installation of a groundwater extraction and treatment system in MKC's northern parking lot.

The In-Situ Chemical Oxidation (ISCO) injection that was to be performed prior to the startup of the groundwater extraction and treatment system will no longer be performed.

The initial work included in the strategy is underway: a water table well located in the Goodman Community Center parking lot has already been successfully installed and the other two wells are currently being installed on Oak and Milwaukee Street, near the Waubesa and Milwaukee Street intersection.

The monitoring well work is delineated in Arcadis' "[Northern Well Installations Work Plan](#)."

The additional wells will provide MKC and the DNR with data to further evaluate the horizontal and vertical extents of groundwater impacts off-site. Groundwater samples will be collected for the laboratory analysis of volatile organic

compounds (VOCs). Hydraulic conductivity testing was also performed in all of the newly constructed wells.

Data collected will be used to help design the groundwater extraction and treatment system that is to be installed in MKC's northern parking lot. The groundwater extraction well to be used in that system is currently under construction. The system should be fully operational by the spring of 2014.

A long-term monitoring plan will be provided to the DNR for approval following completion of northern well installation sampling.

Polynuclear aromatic hydrocarbon background sampling

The DNR has approved an amended version of the "[Polynuclear Aromatic Hydrocarbon Background Sampling Work Plan](#)," submitted August 1, 2013, by Arcadis.

The amended proposal included 24 soil borings taken from city of Madison or right-of-way property, with the exception of two borings, which are located on the Lowell Elementary School property. The sampling was completed the week of December 16th; results will be made available in several weeks.

[Click here](#) to view the new sampling memorandum.

Update on rain garden remediation

The DNR has approved Arcadis' excavation plan for the rain garden as presented in "[Rain Garden Soil Removal Work Plan](#)," submitted December 18, 2013.

The rain garden soils will be excavated to a depth of four feet inside the excavation area. The contaminated soil will be disposed of at an approved and licensed solid waste landfill.

Sidewall and base confirmation soil sampling – based upon 20 feet spacing– will be performed to determine residual soil PCB concentrations; approximately 27 base and side wall samples will be collected.

The excavated areas will be backfilled using clean fill soils. City of Madison staff and/or city contractors will complete the re-planting and establishment of rain garden vegetation.

It is anticipated that the work will begin this winter.

[Click here](#) to view the work plan.

Update on residential soil PCB testing

A warrant was obtained to gain access to 237 Waubesa Street for the purpose of conducting soil sampling. Results from the sampling showed no exceedances of residential direct contact soil concerns. No further work is planned at the residence.

[Click here](#) to view the soil sampling results.

Additional Resources

Where Can I Find More Information?

Website: dnr.wi.gov: Search "Kipp"

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Neighborhood Update

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



Date: 11/01/2013

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.

Completion of residential PCB remediation

The excavation of soil contaminated with PCBs at six residential properties on Waubesa Street and along the north/south property line of Madison Kipp Corporation's (MKC) facility has been completed. Following the initial excavation, sampling found PCB exceedances at some residential properties and at the Kipp facility. With Wisconsin Department of Natural Resources (DNR) approval, additional excavation was completed until further sampling confirmed PCB levels below 0.22 mg/kg.

The excavation work marks the completion of off-site PCB remedial activities at privately owned properties.

[Click here](#) to view the report.

Update on groundwater sampling and remediation

On October 15, 2013, Arcadis, on behalf of MKC, submitted a "[Groundwater Remedial Strategy](#)," a conceptual work plan that entails the long-term remedial strategy to contain and reduce the groundwater contamination, known as the "volatile organic compound (VOC) mass." The strategy includes the installation of several additional wells: a groundwater extraction well in MKC's northern parking lot that will remove and treat contaminated groundwater from the bedrock aquifer and additional monitoring wells to be installed to the north of the MKC facility.

The DNR has approved the above conceptual work plan. A more detailed work plan will be submitted to the DNR by the end of the year. Currently, DNR is working with Arcadis to determine the long-term discharge and/or reuse of the extracted groundwater.

In addition, to promote the treatment of shallower groundwater that will not be affected by the extraction system, another In-Situ Chemical Oxidation (ISCO) injection event will occur. Previously, an ISCO pilot test was performed that confirmed the effectiveness of this process by showing a reduction in

tetrachloroethylene (PCE). The ISCO injection will be performed prior to the startup of the groundwater extraction and treatment system, which is expected to begin in the spring of 2014.

During the cleanup, DNR staff will use the existing network of monitoring wells to continue to evaluate the effect of the remedial strategies.

[Click here](#) to view the report.

Work Plan Reviews

The DNR is also in the process of reviewing, commenting on or providing approval for the following work plans: “[Rain Garden Investigation and Remedial Strategy](#),” “[Supplemental Work Plan for Polychlorinated Biphenyls Building Subsurface Investigation](#),” “[Indoor Air Sampling Work Plan](#),” “[Northern Well Installations Work Plan](#),” and “[Polynuclear Aromatic Hydrocarbon Background Sampling Work Plan](#).”

[Click here](#) to view DNR’s letter containing the work plan reviews.

Additional Resources

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608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 06/21/2013

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 site investigation report

The Wisconsin Department of Natural Resources (DNR), in consultation with the U.S. Environmental Protection Agency (EPA), the Wisconsin Department of Health Services (DHS) and Public Health Madison & Dane County (PHMDC), has finished the review of the "Site Investigation and Interim Actions Report February 2012 – January 2013" that was submitted to the DNR by Madison-Kipp Corporation's (MKC) environmental consultant, Arcadis.

[Click here](#) to view DNR's response to the Site Investigation Report.

Among other things, DNR is requiring MKC to conduct additional sampling and provide additional documentation of historic chemical use and disposal practices.

Additionally, on May 29, 2013, MKC submitted an addendum to the aforementioned SI report. The DNR's letter does not include a response to this new information.

[Click here](#) to view the addendum.

Additional Resources

Where Can I Find More Information?

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608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 05/03/2013

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 Interim site investigation report

Some of the accompanying figures from the "[Site Investigation and Interim Actions Report February 2012 – January 2013](#)" are now available online. Figures [5-1 to 5-20](#) and [6-1 to 6-3](#) can now be accessed under the "Maps" tab. Figures 5-1 to 5-20 are maps that detail on- and off-site soil results for VOC, PCB, PAH and metals. Figures 6-1 to 6-3 are maps that detail the east and west on-site excavation areas.

Update on off-site PCB cleanup

Excavation of soil at five residences on Waubesa Street and along the north/south property line of the Kipp facility will begin once access agreements are signed by the residents. It is estimated that the excavation work will take between 30 and 60 days. Madison Kipp Corporation will work with their consultant Arcadis to reduce the impact of the work on the community.

Additional Resources

Where Can I Find More Information?

Website: dnr.wi.gov: Search "Kipp"

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608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 03/21/2013

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 off-site PCB cleanup

The Wisconsin Department of Natural Resources (DNR) and U.S. Environmental Protection Agency (EPA) have provided conditional approval for a work plan, put forward by Madison-Kipp Corporation's (MKC) environmental consultant Arcadis, to remediate off-site PCB soil contamination. State and local health officials were also consulted with during review of the work plan to ensure that the proposed work-plan was protective of public health.

The approved work includes the excavation of soil at five residences on Waubesa Street and along the north/south property line of the Kipp facility. The areas will be excavated at a depth of two or four feet, and the contaminated soil will be disposed of at an approved and licensed solid waste landfill. Sidewall and base confirmation soil sampling – based upon a five feet spacing for both sidewalls and excavation base – will be performed to determine residual soil PCB concentrations.

The excavated areas will be backfilled using clean fill soils.

Once the excavation and confirmation soil sampling is complete, the DNR will determine the need for additional field work and/or what institutional controls may be necessary for each on- and off-site property.

[Click here](#) to view the DNR approval letter for the PCB work plan.

Interim site investigation report

Arcadis has released a document titled "Site Investigation and Interim Actions Report February 2012 – January 2013." The report provides an overview of the site's history and past activities as well as analytical results, observations and recommendations for current site activities. The DNR is currently reviewing the report.

Due to the large size of the report only a text copy is available below, the accompanying figures and tables are available at the Hawthorne Public Library.

[Click here](#) to view the report.

Additional Resources

Where Can I Find More Information?

Website: dnr.wi.gov: Search "Kipp"

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608.275.3267, linda.hanefeld@wiconsin.gov

Health Effects of Contamination: John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 3/08/2013

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.

Completion of the off-site vapor investigation

As mentioned in the last update, the Wisconsin Department of Natural Resources (DNR), in consultation with the Wisconsin Department of Health Services (DHS) and Public Health Madison & Dane County (PHMDC), has determined the vapor investigation in the Madison Kipp Corporation (MKC) neighborhood to be complete.

The DNR completed the vapor intrusion investigation at privately-owned properties in the MKC neighborhood in November 2012. Sub-slab soil vapor and indoor air samples were collected at 47 homes. The testing was in follow-up to the discovery of tetrachloroethylene (PCE) vapors beneath three homes located in close proximity to PCE contaminated soil on the MKC property. The investigation revealed that all 47 homes are well below U.S. Environmental Protection Agency (EPA) 2012 health based screening values for PCE in indoor air and sub-slab vapor.

[Click here](#) to view the report in full.

Additionally, soil vapor probe results show that the SVE system has been effective in reducing soil vapor concentrations within the area of influence of the SVE wells.

Soil vapor probe results from 2009 to 2012 are available [here](#) and [here](#).

On-site PCB investigation

Following the discovery of PCBs under MKC's facility, the DNR requested an investigation be performed to define the full extent and nature of the contamination. The investigation has been completed and on Feb. 14 Arcadis submitted their report to the DNR. As part of the investigation, 68 soil samples were collected and tested for polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), metals listed under the Resource Conservation Recovery Act (RCRA), and total cyanide.

Groundwater samples taken from four monitoring wells beneath the facility were also collected and tested for PCBs, VOCs, PAHs, and dissolved RCRA metals.

The results for both soil and groundwater tests can be found in the report. [Click here](#) to view the report.

The DNR is currently evaluating the report in cooperation with the EPA to determine what remedial actions are necessary.

Update on groundwater sampling

MKC's consultant Arcadis continues its investigation of on- and off-site deep groundwater by testing the feasibility of In-Situ Chemical Oxidation (ISCO) to remediate the VOC contamination. The ISCO pilot test is ongoing, but interim groundwater monitoring has confirmed a reduction of PCE. Further testing will be done to help develop a long-term remedial strategy.

[Click here](#) to view the ISCO pilot test report.

Progress report

The DNR has made available an Arcadis progress report that provides a summary of the activities completed from January 31 through February 14, 2013. A copy of this report and additional progress reports are available at the Hawthorne Public Library.

[Click here](#) to view Arcadis' progress report.

Additional Resources

Where Can I Find More Information?

- Website:** dnr.wi.gov: Search "Kipp"
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Neighborhood Update

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



Date: 12/06/2012

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 on-site PCB cleanup

The Wisconsin Department of Natural Resources (DNR) and U.S. Environmental Protection Agency (EPA) have approved a [work plan](#), put forward by Madison-Kipp's environmental consultant Arcadis, to remediate on-site PCB soil contamination.

[Click here](#) to view the DNR approval letter for the PCB work plan.

Included in the plan are two excavation areas that have been delineated where sampling results indicated soil containing PCBs at concentrations above 50 milligrams per kilogram (or parts per million). The areas will be excavated at a depth of two feet, and the contaminated soil will be disposed of at an out-of-state landfill approved for the disposal of hazardous waste.

Additional soil samples will be collected within the excavation to ensure that the site has been properly remediated. Once the DNR has confirmed that site remediation is completed, the excavated area will be backfilled with clean material and a permanent vapor extraction unit will be installed over the area. Madison-Kipp will hand deliver notices to nearby residences before the work commences, and is working with the Department to ensure minimal impact to the community.

Underground storage tank found

Madison-Kipp Corporation recently located a 1,000 gallon waste oil tank on the southeast portion of the property. Workers found the tank while using ground-penetrating radar to identify utility corridors prior to commencing drilling work for the installation of ground monitoring wells. It appears that the tank was left behind by a gasoline retail station that formerly operated on the site. The tank was promptly removed and soil sampling confirmed a release from the tank. RJN Environmental will be conducting an investigation, and remedial work will commence once a work plan is reviewed and approved by the department.

Update on vapor screening activities at area homes

In consultation with the Wisconsin Department of Health Services (DHS) and Public Health Madison & Dane County (PHMDC) the Department has determined the vapor investigation in the Kipp neighborhood to be complete. This decision will be explained in further detail in an upcoming neighborhood update.

Upcoming availability session

An availability session will be held at the Goodman Community Center on Dec. 17 from 6:30 to 8:00 p.m., where representatives from the DNR and state and local agencies will be available to answer questions.

Additional Resources

Where Can I Find More Information?

- Website:** dnr.wi.gov: Search "Kipp"
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Neighborhood Update

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



Date: 09/26/2012

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 Vapor Screening Activities at Area Homes

The Wisconsin Department of Natural Resources (DNR) and Madison Kipp's environmental consultants continue to screen the homes near Madison Kipp Corporation to make sure residents are not being exposed to harmful vapors from the chemical tetrachloroethene (PCE).

The department has continued to sample houses and will be completing its subslab and indoor air sampling efforts over the next several weeks. The DNR is offering mitigation systems to some residents. To date, 21 homes have been offered mitigation systems. Of those, 19 systems have been installed and two installations are pending.

Also, the soil vapor extraction system installed on the Kipp property continues to operate.

[Click here](#) to view a map showing the status of residential vapor sampling and installed mitigation systems.

Update on Soil Sampling Results

The DNR has also received and is analyzing results of soil samples collected in August from the yards of eight homes bordering Madison Kipp Corporation (MKC) on South Marquette Street (206-230) and 261 Waubesa Street. The samples were screened for eight different metals, 18 polynuclear aromatic hydrocarbons (PAHs) and cyanide.

For PAH results, all exhibited one or more PAH screening level exceedances. As explained at individual availability sessions, PAHs are present in urban settings and result from any combustion, including backyard grilling, fire pits and automotive exhaust in addition to industrial processes.

It is important to note that screening levels applied to PAHs and other contaminants are conservative and highly protective of public health and the

environment. Screening level exceedances do not mean there is a health or environmental risk, but rather help determine if additional actions are necessary.

Sampling results were shared with the individual residents through a letter from MKC's consultant. The DNR followed up with these residents through a letter or phone call and held a community meeting on September 18 where residents could meet face-to-face with agency staff and state and local health officials to discuss the results.

Additionally, finalized sampling results are also available for testing that occurred between April and August 2012. MKC collected 121 shallow soil samples from a total of 32 neighboring homes. The samples were screened for levels of 60 volatile organic compounds (VOCs) including TCE and PCE, seven polychlorinated biphenyls (PCBs), eight different metals, 18 polynuclear aromatic hydrocarbons (PAHs) and cyanide.

For PCBs, all of the results showed either no detection or the detections were below the DNR residential action level of 0.22 ppm (mg/kg) and below EPA's residential action level of 1 ppm (mg/kg) for PCBs. There were also detectable amounts of PCE, and metals at multiple locations as well, but these results were also below the protective screening levels.

As always, DNR staff and state health officials are available if you have any questions or would like more information. Please see the contact information at the end of this newsletter to talk to agency staff.

Please see the maps depicting the most recent sampling results.

[PCB Map](#)

[PAH Map](#)

[VOC Map](#)

[Corresponding Data Tables](#)

Update on Groundwater Sampling

MKC's consultants will be starting additional on- and off-site deep groundwater investigation work this week. The testing will inform the DNR of any possible contamination, and remedial actions will be taken as necessary to protect the short- and long-term health of neighboring residents and the environment.

Next Steps – Cleanup Plan

A remedial action work plan for onsite PCB contaminated soils is being prepared by MKC's consultant. Pending DNR and EPA approval, it will be implemented in

the fall. Once additional sampling results are available, the DNR and EPA will be reviewing those results to determine what remedial actions are necessary.

Additional Resources

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Neighborhood Update

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



Date: 08/15/2012

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 Vapor Screening Activities at Area Homes

DNR and Madison Kipp's environmental consultants continue to screen the homes near Madison Kipp Corporation to make sure residents are not being exposed to harmful vapors from the chemical tetrachloroethylene (PCE).

In July 2012, a second round of sub-slab vapor and indoor air sampling was completed for ten houses that DNR consultant SCS/BT Squared originally sampled in April through June. Results from the second round of sampling did not reveal substantial changes in PCE concentrations when compared to the initial data collected.

[Click here](#) to view the results of this most recent round of residential sampling.

Additionally, sub-slab vapor and indoor air sampling was completed in the following four homes for the first time by SCS/BT Squared: 266 S Marquette, 166 Dixon, 194 Dixon and 218 Dixon. Kipp's consultant, Arcadis, also completed sub-slab vapor and indoor air sampling at 138 S. Marquette St. Results from all locations show low level detections of PCE in sub-slab vapors. PCE was not detected in the indoor air at any of the locations.

The DNR is offering mitigation systems where appropriate. To date, twenty one homes have been offered mitigation systems. Of those, eight systems have been installed and five installations are pending.

[Click here](#) to view a map showing the status of residential vapor sampling and installed mitigation systems.

Next Steps

The DNR will evaluate the need for further sampling. Vapor mitigation systems will be offered based upon DNR's screening criteria.

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
608.275.3267, linda.hanefeld@wiconsin.gov
- Health Effects of Contamination:** John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

Madison Kipp Corporation Investigation & Cleanup

Wisconsin Department of Natural Resources (DNR)



Date: 8/07/12

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 Soil Sampling Results

The Wisconsin Department of Natural Resources has received and is analyzing results of soil samples collected this June from the yards of 22 homes bordering Madison Kipp Corporation (MKC) on Marquette and Waubesa Streets. The samples were screened for levels of 60 volatile organic compounds (VOCs) including TCE and PCE, seven polychlorinated biphenyls (PCBs), eight different metals, 18 polynuclear aromatic hydrocarbons (PAHs), and cyanide.

In addition to sharing sample results with the homeowners and tenants, they were shared with the Department of Health Services (DHS) officials, who have indicated there are no acute or immediate health risks associated with the results. Of the samples analyzed, one came back with TCE results exceeding the protective screening level DNR uses to determine remediation needs. Fifteen locations exhibited one or more PAH screening level exceedances. It is important to note that the screening levels applied to PAHs, and other contaminants, are conservative, or highly protective. [PAHs are plentiful in the environment](#), and are found in familiar items like mothballs, blacktop/asphalt, and even charcoal-grilled food. There were detectable amounts of PCBs, PCEs, and metals at multiple locations as well, but all below the protective screening levels.

Sampling results were shared with the individual residents through a letter from MKC's contractor. The DNR followed up with these residents through letter or phone call and held two evening meetings on July 26 and July 27, where residents could meet face-to-face with agency staff and DHS to discuss the results.

As always, DNR and DHS staff are available if you have any questions or would like more information. Please see the contact information at the end of this newsletter to talk to agency staff

Next Steps

As mentioned in the July 24, 2012, update, MKC will be initiating additional PCB sampling, with anticipated completion by the end of August. The DNR is also

requiring additional investigation for the other contaminants along the remainder of South Marquette Street. Once the DNR believes it has a more complete picture of the extent of soil contamination, it will require Kipp to implement the necessary response actions, such as soil excavation at certain locations. MKC has already agreed to excavate the yards of five homes that had soil samples taken earlier in the year (the soil sampling results from the yards of those five homes did not exceed the protective screening levels).

The deadline for this work was August 1. With the potential for additional excavation work still pending, the DNR has granted an extension and will assign an updated deadline based on information gathered through the continued soil investigation. The intent is to develop a coordinated soil remediation response in order to minimize the construction impacts on the neighborhood.

Please see the maps depicting the most recent sampling results.

[PCB Map](#)

[PAH Map](#)

[VOC Map](#)

[Exceedances Map](#)

[Corresponding Data Tables](#)

Additional Resources

Where Can I Find More Information?

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Neighborhood Update

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



Date: 07/24/2012

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 Polychlorinated Biphenyls (PCBs) Immediate Action Investigation

As part of the ongoing environmental response actions, Department of Natural Resources asked Madison Kipp Corporation to complete a Polychlorinated Biphenyls (PCBs) immediate action investigation, including residential soil sampling, by July 18, 2012. MKC has made good progress over the past several weeks, and has completed the original sampling that was requested of them. However, the Environmental Protection Agency, who also has authority over PCB investigations under the Toxic Substances Control Act, and DNR agree that additional investigation work is necessary. MKC provided DNR with a work plan for the additional on- and off-site requirements and DNR has granted an extension to the deadline for the PCB work to be completed. Completion is anticipated by the end of August 2012. This additional work is meant to best inform any necessary immediate and remedial actions aimed at protecting the short- and long-term health of the neighboring residents and the environment. For more information, please contact Linda Hanefeld, DNR, at 608-275-3310, or Kenneth Zolnierczyk, EPA, at 312-353- 9687.

Additional Resources

Where Can I Find More Information?

- Website:** dnr.wi.gov: Search "Kipp"
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Neighborhood Update

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



Date: 06/29/2012

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 Vapor Screening Activities at Area Homes

DNR and Madison Kipp's environmental consultants continue to screen the homes near Madison Kipp Corporation to make sure residents are not being exposed to harmful vapors from the chemical tetrachloroethylene (PCE).

In May 2012, six homes were sampled for PCE vapor contamination. Between June 4 and June 8, 2012, two new homes and eight previously tested homes were screened for PCE vapors. Samples of the air beneath the basement (known as a sub-slab sample) and of the indoor air of the basement were collected and analyzed for the presence of contaminants. (Note: Sub-slab sampling is not performed in homes that already have a vapor mitigation system installed.)

[Click here](#) to view the results of this most recent round of residential sampling.

DNR consultant SCS/BT Squared have completed the first round of residential vapor screening which began in mid-April. All the homes which were selected for the initial investigation have been tested at least once, unless a homeowner chose not to participate.

See [Neighborhood Update – 04/05/12](#) for information about the testing process.

Next Steps

A second round of tests will continue at each home, unless the home already has a vapor mitigation system installed. The DNR consultants have been contacting homeowners to schedule these repeat tests.

For more information on vapor intrusion please [click here](#).

Additional Resources

Where Can I Find More Information?

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Neighborhood Update

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



Date: 06/27/2012

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.

DNR Provides Additional Comments on Site Investigation Workplan

In a [June 25, 2012 letter to Madison Kipp](#), the DNR provided additional recommendations for completion of the Comprehensive [Site Investigation Workplan](#), as drafted by the company's environmental consultant – Arcadis.

See [Neighborhood Update \(06/05/12\)](#) for details on the Comprehensive Site Investigation Workplan.

Overall, most of the testing and sampling procedures have been approved. However, because data is still being collected to determine the extent of contamination, the information regarding site conditions and remedial efforts described in the Workplan are considered preliminary. The letter also states that the installation of additional offsite piezometers – groundwater wells used to measure the presence of contamination at various depths in the aquifer – will be determined after the completion of onsite testing efforts. The final decision on the future number, location and depth of piezometer installations will be made by the DNR when more data is available.

Additionally, on and off site soil and groundwater testing is continuing by Madison Kipp consultants.

Depending on the results of the sampling efforts, additional testing beyond the scope of the workplan, or additional workplans may be required by the Department.

Additional Resources

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Neighborhood Update

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



Date: 06/12/2012

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Drilling Underway for Madison Kipp Corporation Bedrock Characterization

Neighbors living close to Madison Kipp Corporation may notice heavy equipment being used on company property for the next several weeks, as the company's environmental consultant – Arcadis – completes drilling work as part of a Bedrock Characterization Plan. The drill rigs are being used to collect bedrock samples, which will also be tested for contamination.

See [Neighborhood Update – 6/01/12](#) for more information on the Bedrock Characterization Plan.

Additionally, the DNR recently delivered [a letter to Madison Kipp Corporation](#) with requested changes to the Bedrock Characterization Plan.

Soil Sampling Continues for PCB Investigation

Soil samples are currently being collected on Madison Kipp's property as part of the ongoing investigation into PCB contamination. Samples are to be collected from along the property boundary, and will be analyzed by a state-certified lab. Work is being done by the company's additional environmental consulting firm – RJN Environmental. The consultant will soon be contacting property owners adjacent to Madison Kipp, to request access to collect additional backyard soil samples.

See [Neighborhood Update – 6/01/12](#) for more information on the status of the PCB investigation.

Latest Round of Residential Vapor Sampling Complete; Next Round to Begin in July

Last week, the environmental consultant for the DNR – SCS/BT Squared – completed indoor air and sub-slab sampling at the last remaining homes for this current round of residential sampling. In all, DNR and Madison Kipp Corporation's consultants screened 25 homes in the area for PCE vapors. Results of these most recent tests will be made available once they are returned from the lab, and the homeowners are notified.

See [Neighborhood Update – 6/04/12](#) to view the latest residential sampling results.

The next step in the screening plan is for each home to be re-sampled. Consultants will soon be contacting homeowners to schedule resampling dates, and testing should begin in early July. The testers will use the same probes for the sub-slab samples, so they should not have to re-drill holes in the basement. One exception: Homes which tested positive for PCE concentrations above the action level, and already have a vapor mitigation system installed, will not be re-sampled.

Additional Resources

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Neighborhood Update

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



Date: 06/05/2012

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DNR Outlines Expectations for Comprehensive Contamination Investigation and Clean Up at Madison Kipp Corporation

DNR staff have detailed their expectations for the Madison Kipp Corporation's Waubesa Street property to conduct a comprehensive investigation and cleanup of all contamination present on the property, and any contamination migrating off-site. The DNR expects Madison Kipp to adhere to all applicable laws as outlined in the NR 700 series administrative code.

An outline of the Department's broadened expectations was delivered in a [May 11, 2012 letter](#) to Madison Kipp. This includes testing the property for a range of potential contaminants, including volatile organic compounds (VOCs), heavy metals, polycyclic aromatic hydrocarbons (PAHs), cyanides and PCBs. By widening the investigation, without halting any of the current testing and other environmental response action work underway, the company can provide the community and the DNR with complete assessment of what chemical hazards are present in the soil and groundwater at—and migrating from—the site.

In response, Madison Kipp's consultant (Arcadis) has provided a [workplan](#) for this comprehensive investigation, within the established deadline.

[Click here](#) to view the workplan.

At DNR's request, Arcadis will also provide bi-monthly progress reports on the company's overall investigation and cleanup work.

The comprehensive investigation and cleanup now required by DNR replaces the "Scope of Work" drafted as part of the DNR's referral of Madison Kipp Corporation to the Wisconsin Department of Justice. This comprehensive investigation includes elements of, but is more expansive than, the Scope of Work drafted as part of the DNR's referral of Madison Kipp Corporation to the Wisconsin Department of Justice.

It requires on and off-site sampling of volatiles, metals, PAHs, PCBs and other contaminants that are known to be present or are suspected given the historic activities at the site. The comprehensive letter also specifies that Madison Kipp is to provide more active involvement on public outreach, including providing bi-monthly updates on actions taken and planned. Further the letter sets forth deadlines for finishing the comprehensive site investigation and for having all active remedial actions up and operating. Lastly, the letter specifies ways that Madison Kipp can further assist the surrounding residential property owners that are directly or indirectly impacted by the contamination.

Additional Resources

Where Can I Find More Information?

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Neighborhood Update

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



Date: 06/04/2012

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Update on Vapor Screening Activities at Area Homes

The DNR's environmental consultant (SCS/BT Squared) is continuing to screen homes near Madison Kipp Corporation to make sure residents are not being exposed to harmful vapors from the chemical tetrachloroethylene (PCE).

From April 24 to 26, SCS/BT Squared screened an additional ten homes for PCE contamination. Samples of the air beneath the basement (known as a sub-slab sample) and of the indoor air of the basement were collected and analyzed for the presence of contaminants. (Note: Sub-slab sampling was not performed in one home because it already had a vapor mitigation system installed.)

[Click here](#) to view the results of this most recent round of residential sampling.

Vapor Mitigation Systems

None of these ten homes tested were found to have PCE levels above the action level currently used by DNR at this site. The action level DNR is using is 6 parts per billion by volume (ppbv), which is 10-times stricter than the current U.S. EPA action level of 60 ppbv.

During this current round of tests, three homes have recorded levels above, or very close to, the action level. All three homeowners were offered vapor mitigation systems. To date, two homeowners have accepted the systems and the systems were promptly installed.

Next Steps

SCS/BT Squared is scheduled to conduct further testing of homes during the week beginning June 4. This will complete the latest round of residential vapor screening which began in mid-April. All the homes which were selected for the investigation will have been tested, unless a homeowner chose not to participate.

See [Neighborhood Update – 04/05/12](#) for information about the testing process.

Once this round of testing is complete, a second round of tests will be conducted at each home, unless the home now has a vapor mitigation system installed. The DNR consultants will begin contacting homeowners soon to schedule these repeat tests. Also, DNR is using the results of this testing to determine if new tests are needed at homes further away from Madison Kipp.

Vapor Intrusion Discussion

A nationally-known expert on vapor intrusion (Lenny Siegel) made a presentation for neighbors of Madison Kipp Corporation on May 16. The presentation was recorded by the Madison City Channel, and is available to view online.

[Click here](#) to access this presentation.

Additional Resources

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Neighborhood Update

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



Date: 06/01/2012

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Editor's note: This is the first of three new updates which cover a range of work being conducted at and around Madison Kipp Corporation. Expect further updates early next week that detail a planned comprehensive site investigation and new vapor sampling results.

Update on Ongoing Assessment & Cleanup Activities

PCB Contamination

The DNR continues to work with Madison Kipp Corporation and their environmental consultants to address the discovery of PCBs on Kipp property.

Madison Kipp's consultant (Arcadis) recently submitted their immediate action [workplan](#) for investigating and cleaning up PCB contamination to DNR, meeting an established deadline. The work is being co-reviewed by the US Environmental Protection Agency's (EPA) Region 5 staff from the Toxic Substance Control Act enforcement program. With EPA's comments included, DNR conditionally-approved the plan, and sent a [response letter](#), outlining the required changes and additional information needed. A revised sampling map, for on-and off-site locations, will be provided to the neighborhood via the DNR web site once it is finalized.

[Click here](#) to view MKC's May 2012 progress report on PCB contamination cleanup.

See [Neighborhood Update – 05/11/12](#) for information on testing results at nine backyards adjacent to Madison Kipp, which showed no PCBs were found in the soils.

Activities outlined in this workplan are beginning today, and will continue through the weekend and into next week. Neighbors may notice crews doing work with drilling rigs and other heavy equipment on the Kipp property. DNR will be visiting the property to ensure that the consultant is conducting this work in a safe manner. Sampling will also occur in resident's yards and on city property, once permission is granted by the owners.

See [Neighborhood Update – 05/04/12](#) for information on the Notice of Violation issued to Madison Kipp Corporation for PCB Contamination.

Additional Documentation: The following PCB-specific correspondence between Madison Kipp Corporation and DNR is available online:

- [Madison Kipp Letter Dated April 27](#)
- [DNR Letter Dated May 4](#)
- [Madison Kipp Letter Dated May 9](#)

Bedrock Analysis

Arcadis also released a [workplan](#) to characterize the bedrock underneath the Madison Kipp Property. By learning more about the types of rock the property sits on, the consultant and DNR can learn more about how contamination may have migrated in the ground. During the bedrock characterization, Arcadis will also be testing the rock samples to see what types of contamination are present at various depths.

The DNR will be providing a response to this workplan soon, with recommended changes.

The process of collecting these rock samples involves the use of drilling rigs and other heavy equipment. Neighbors should expect to see this equipment being used on the property while work is being completed. DNR will be visiting the property to ensure that the consultant is conducting this work in a safe manner.

New Groundwater Sampling Results Available

Recent [groundwater sampling results](#) from April are also available for review. These tests of the shallow groundwater were conducted at monitoring wells on the Madison Kipp property and other neighborhood locations.

The results showed that contamination does not appear to be moving away from the Kipp property in the shallow groundwater. In fact, contamination levels appear to be going down, compared to previous tests. Further testing of these wells is ongoing, and sampling of the deep groundwater is planned for later this year.

Additional Resources

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Neighborhood Update

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



Date: 05/11/2012

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Recent sampling of properties around Kipp for PCBs show no detect

This week the DNR received a [report](#) from Madison Kipp Corporation's consultant (RJN Environmental Services, LLC) detailing soil sample results taken at nine locations along South Marquette Street.

As many neighbors are aware, MKC is undertaking an immediate/interim action at the site under the direction of the DNR. While MKC has a sampling workplan on the PCB issue due to the department on May 21, it was decided that the upcoming chlorinated soil sampling already planned for nine neighboring backyards be expanded to include PCB testing.

[Click here](#) for information from the Wisconsin Department of Health Services about the health effects of PCBs.

The goal of the sampling was to test for volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs) in shallow soils in the backyards adjacent to Kipp. The PCB testing is connected to PCB contamination found in soil excavated by Kipp in the spring when the company was installing a soil vapor extraction (SVE) system. The SVE system is part of an interim action approved by DNR to keep vapors from migrating off the property as well as to remove vapors from soils in and around the Kipp plant.

Nine backyards were sampled, with all but one yard having two areas sampled to a depth of 6-12 inches. The report details indicate that no PCBs were detected in any soil samples taken to date. There were VOCs detected at one residential property – 102 S. Marquette – but all other sampling indicated no detection of VOCs. Additional sampling is planned for 102 S. Marquette, and the department will continue to work with MKC on expanding the PCB sampling on and offsite in order to meet the deadlines established by the department to finish the investigation and any immediate response actions that may be needed.

For more questions about the report, please contact Mike Schmoller, 608-275-3303, or michael.schmoller@wisconsin.gov.

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Neighborhood Update

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Wisconsin Department of Natural Resources (DNR)



Date: 05/04/2012

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DNR issues Notice of Violation to Madison Kipp Corporation for PCB contamination

*News Release Published: May 4, 2012 by the Central Office
Contact(s): Bill Cosh, DNR spokesperson, 608-267-2773*

MADISON – Today the Wisconsin Department of Natural Resources issued a Notice of Violation (NOV) to the Madison Kipp Corporation for its failure to properly report PCB contamination and other issues at its East-side manufacturing facility.

[Click here](#) to read the Notice of Violation.

The PCB contamination was discovered in February and March by Kipp contractors when excavating soil to install a soil vapor extraction (SVE) system. The SVE system is part of an interim action approved by DNR to help remove vapor from soils in and around the Kipp plant related to other contamination on the property.

[Click here](#) to read a letter to Madison Kipp Corporation, regarding the PCB contamination.

The NOV alleges Kipp did not immediately report the PCB contamination to the department or take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands or waters of the state as required by law.

In late March, 2012 Kipp's contractor sent an email to DNR's project manager about discovering the soil contamination, noting that soils contaminated with PCBs were found as part of the SVE installation. The contaminated soil was found along the facility's eastern property line. That same day, the DNR project manager sent a request to Kipp asking for clarification about the soil removal, including a request for information about how much soil was removed, what testing occurred and what soil had been re-buried on site. The DNR requested

Kipp submit a written report as soon as possible about the soil removal and disposal.

Following standard procedure, DNR sent a Responsible Party letter to Kipp on April 19, 2012 and has made additional requests for documentation and information. The stockpiled soil was reportedly removed on April 11, 2012 and shipped to a disposal facility in Michigan.

According to a DNR letter sent jointly with the NOV, Kipp was aware of historic use of PCBs by the company on the property.

“Unbeknownst to the State, those reports discuss the historic use of spent oil, potentially contaminated with PCBs, as a dust suppressant at your property. The Phase I ESA information indicates MKC knew of the potential for PCB contamination on-site since 2006, and made no efforts to inform the State or the public,” the DNR letter stated.

The department has not made a decision on further enforcement action but the most recently alleged violations could be included with ongoing legal action. In late 2011, the department referred Kipp to Justice for enforcement regarding chlorinated solvent contamination at the property.

Additional Resources

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Neighborhood Update

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



Date: 05/01/2012

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.

Public Health, DNR Staff Available Monday to Meet with Neighbors One-on-One

What: Madison Kipp Investigation Public Availability Session

Where: Goodman Community Center, 149 Waubesa Street (Merrill Lynch Room)

When: Monday, May 7 – 6:00pm to 7:30pm

Residents who live in the vicinity of Madison Kipp Corporation will have another chance to speak one-on-one with public health and DNR staff about recent contamination test results from neighborhood homes.

Public Health: Dane County-Madison and the DNR are hosting a public availability session on Monday, May 7 at the Goodman Community Center (Merrill Lynch Room). Staff will be available from 6:00pm to 7:30pm to talk with neighbors about any questions or concerns they have regarding the latest PCE testing inside 19 homes, and the recent discovery of PCB contamination.

See [Neighborhood Update – 4/30/12](#) for information on the latest PCE- test results and [Neighborhood Update – 4/19/12](#) for information on PCB contamination. [Click here](#) for information on PCBs from the Department of Health Services and [click here](#) for health information on PCE.

We look forward to meeting with you. If you are unable to attend the session, but have unanswered questions about the current investigation and cleanup at Madison Kipp Corporation, use the "Additional Resources" box below to find a DNR or public health contact.

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
608.275.3267, linda.hanefeld@wiconsin.gov
- Health Effects of Contamination:** John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 04/30/2012

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.

Additional Sub-Slab and Indoor Air Sampling Results Available for Ten Kipp-Area Homes

New testing results are now available for ten homes close to the Madison Kipp Corporation that were screened for potential vapors from PCE-contamination. [Click here](#) to view the most recent sampling results and a map of homes where this round of sampling is occurring.

A DNR consultant, SCS/BT Squared, conducted the samples at two locations in each home: below the basement, called "sub-slab", and inside to test the indoor air. This is part of the ongoing work to screen more than 35 homes that could be affected by contamination from the Kipp property.

Today's results represent a portion of this current round of testing. In total, results are available for 19 homes. The remaining homes selected for sampling are in one of three situations: 1) they have already been sampled by SCS/BT Squared and the results will be released soon; 2) they are scheduled for sampling in the near future; or, 3) the home owners have not signed an access agreement and may ultimately choose not to participate in the sampling. In some cases where homeowners have opted out of sampling, the DNR has approached owners of a nearby property to see if they are willing to open their home to provide an alternate sample. This alternate sample will help provide additional data on which homes are being affected by vapors from soil contamination

See [Neighborhood Update – 04/05/12](#) for information on which homes were sampled by Kipp's contractor, Arcadis, and which homes have been or will be sampled by DNR's contractor.

As the [sampling results](#) indicate, one home from the group of ten had a sub-slab test reveal PCE levels above the action level set by DNR for this case. The owner of this home has been given the option to have a DNR contractor install a vapor mitigation system in their home.

An “action level” refers to the primary threshold which DNR will use to recommend installation of a vapor mitigation system. The action level DNR is using is 6 parts per billion by volume (ppbv). For reference, the current EPA action level for PCE in sub-slab vapor is 60 ppbv. (Note: All sampling results are processed by state-certified laboratories.) See the [DHS website](#) for information on the health effects of PCE exposure.

After the last group of sampling results were released, two other homeowners were offered vapor mitigation systems. This is in addition to the five homes on S. Marquette St. which currently have vapor mitigation systems in operation.

See [What to Expect if Vapors from Soil and Groundwater Contamination Exist on My Property \(RR-892\)](#) for information on sub-slab sampling and vapor mitigation systems.

Residential Sampling: Next Steps

Last week, DNR’s contractor, SCS/BT Squared, resumed sampling the sub-slab vapor and indoor air in homes which signed access agreements with the DNR. Further testing will potentially go into early in May if additional access agreements are signed. If you have been contacted by the DNR to sign an access agreement and have not done so, please contact project manager Mike Schmoller (608.275.3303, michael.schmoller@wisconsin.gov), or team supervisor Linda Hanefeld (608.275.3267, linda.hanefeld@wiconsin.gov) to discuss any concerns you may have.

When the results are delivered from the lab, the DNR, Department of Health Services and Public Health: Madison-Dane County will work privately with the homeowners and tenants to explain the findings and discuss any next steps that may need to be taken. Once those people have been informed, the test results will be made public through our website, e-newsletter and public availability sessions.

Please note, these tests are just the most recent step in the process of investigating and cleaning up the breadth of soil and groundwater contamination on and around Madison Kipp, and the health risks it may pose. Further steps are being considered as new data becomes available.

Also, look for an announcement soon on future public availability sessions where you can meet with local and state government staff and others to discuss these sampling results and discuss other issues regarding the investigation and cleanup of Madison Kipp.

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
608.275.3267, linda.hanefeld@wiconsin.gov
- Health Effects of Contamination:** John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 04/26/2012

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.

Contractor to begin new round of backyard soil testing

A new round of soil sampling is set to begin Friday, April 27, when Arcadis, contractor for Madison Kipp Corporation, will be testing the backyards of at least nine homes on the northwest side of South Marquette Street. Arcadis will be testing soils for volatile organic compounds (VOCs), which include PCE and TCE. These tests will also screen for polychlorinated biphenyls (PCBs), in light of the recent discovery of PCB contamination on Kipp property.

See [Neighborhood Update – 4/19/12](#) for information about the discovery of PCBs. [Click here](#) for information on PCBs from the Department of Health Services and [click here](#) for health information on PCEs.

Through access agreements, owners of the homes being tested have allowed Arcadis onto their property to conduct soil sampling. Once the results are returned from the state-certified lab, homeowners will be contacted personally by state or city public health staff to discuss the findings and any public health implications. Results will then be distributed to the neighborhood through the DNR's website, e-newsletter and public availability sessions.

Following this round of soil testing, DNR will evaluate the results and determine the immediate need for further soil testing at area homes. Madison Kipp will be conducting work at its property, as well, in response to the recent PCB discovery. You may be contacted by contractors for either DNR or Madison Kipp to participate in further testing.

Sub-slab and Indoor Air Sampling is still ongoing at homes located near Madison Kipp. See [Neighborhood Update – 4/24/12](#) for more information.

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
608.275.3267, linda.hanefeld@wiconsin.gov
- Health Effects of Contamination:** John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 04/24/2012

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.

Sub-Slab and Indoor Air Sampling Results Available for Nine Kipp-Area Homes

New testing results are now available for nine homes adjacent to the Madison Kipp Corporation that were screened for potential vapors from PCE-contamination. [Click here](#) to view the results and a map of homes where this round of sampling is occurring.

The DNR directed Madison Kipp to conduct the sub-slab and indoor air samples as part of the ongoing work to screen more than 35 homes that could be affected by contamination from the Kipp property. Madison Kipp consultant, Arcadis, performed the testing at these first nine homes to be sampled in this round. Testing at other homes is being conducted by DNR's consultant, SCS/BT Squared.

See [Neighborhood Update – 04/05/12](#) for information on which homes were sampled by Arcadis and which homes have been or will be sampled by DNR's contractor.

When reviewing the [sampling results](#), please note that sub-slab samples were taken by Arcadis at two locations in each home (designated "Site #1" & "Site #2"), as were indoor air samples. Additionally, you will see that the Department of Health Services (DHS) also took "split samples" from four homes, to ensure quality control of results. The split samples were taken at the exact time and location as the original sample by Arcadis, but processed at a different lab. (Note: All sampling results are processed by state-certified laboratories. The DNR determined the differences between the split sample results to be within the normal margin of error for the lab.)

As the [sampling results](#) indicate, sub-slab tests in two homes found levels of PCE above the action level set by DNR for this case. The action level DNR is using is 6 parts per billion by volume (ppbv). For reference, the current EPA action level for PCE in soil vapor is 60 ppbv.

See the [DHS website](#) for information on the health effects of PCE exposure.

The owners of these two homes were given the option to have a DNR contractor install a vapor mitigation system in their home. To date, one home owner has agreed to have a system installed in their home by DNR's contractor..

See [What to Expect if Vapors from Soil and Groundwater Contamination Exist on My Property \(RR-892\)](#) for information on sub-slab sampling and vapor mitigation systems.

Residential Sampling: Next Steps

The contractor for the DNR (SCS/BT Squared) has already started to take sub-slab and indoor air samples in homes which signed access agreements with the DNR. Tests will be conducted this week at close to ten homes, and potentially into early in May if further access agreements are signed. More than 20 neighbors who are scheduled for testing by DNR's contractor have signed access agreements to be part of this process. If you have been contacted by the DNR to sign an access agreement and have not done so, please contact project manager Mike Schmoller (608.275.3303, michael.schmoller@wisconsin.gov) to discuss any concerns you may have.

When the results are delivered from the lab, the DNR, Department of Health Services and Public Health: Madison-Dane County will work privately with the homeowners and tenants to explain the findings and discuss any next steps that may need to be taken. Once those people have been informed, the test results will be made public through our website, e-newsletter and public availability sessions.

Please note, these tests are just the most recent step in the process of investigating and cleaning up the breadth of soil and groundwater contamination on and around Madison Kipp, and the health risks it may pose. Further steps are being considered as new data becomes available.

Also, look for an announcement soon on future public availability sessions where you can meet with local and state government staff and others to discuss these sampling results and discuss other issues regarding the investigation and cleanup of Madison Kipp.

Additional Resources

Where Can I Find More Information?

- Website:** dnr.wi.gov: Search "Kipp"
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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
608.275.3267, linda.hanefeld@wiconsin.gov
- Health Effects of Contamination:** John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

Neighborhood Update

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



Date: 04/19/2012

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.

DNR sends Kipp Responsible Party letter after Kipp discovers PCBs in soil during excavation

Today the DNR issued a [Responsible Party \(RP\) Letter](#) to Madison Kipp Corp., in response to Kipp's discovery of PCB-contaminated soil during an excavation on the company property.

In February and March, Kipp excavated soil on their property as part of an installation of a soil vapor extraction (SVE) system. The SVE system is part of an interim action approved by DNR to help remove vapor from soils in and around the Kipp plant, and from migrating off the property. The SVE system consists of nine extraction wells located in a line along the eastern Kipp property boundary.

After Kipp installed the SVE system, some of the excavated soil was replaced in the trenches dug for the SVE system. About 100-200 tons of excess soil was then temporarily stored on-site and kept under plastic sheeting. The plastic is normally placed on contaminated soil to keep any precipitation (e.g. rain, snow, etc.) or wind from washing or blowing the soil off site.

Kipp's consultant, Arcadis, collected a composite soil sample from the excavated soil piles, which were excavated along the facility's eastern property line. Test results showed a total PCB concentration of 110 parts per million (ppm). At the federal level, a sample that exceeds 50 ppm or greater is of "federal interest" under the U.S. Environmental Protection Agency's (EPA) Toxic Substance Control Act.

On March 26, Arcadis sent an email to DNR's project manager, noting that soils contaminated with PCBs were found as part of the SVE installation. The DNR's project manager sent an immediate request on March 26 to Kipp, asking for clarification about the soil removal. Included in this correspondence was a request for information about how much soil was removed, what testing occurred and what soil had been re-buried on site. The DNR requested Kipp submit a written report on the soil removal and disposal as soon as possible.

In addition, at the request of the DNR, the Department of Justice (DOJ) sent an email on April 2 to Madison Kipp's legal counsel outlining the minimum sampling the DNR was requiring be conducted, and specifying a May 1 deadline for the information. Meanwhile, the stockpiled soil was removed on April 11 and according to Kipp was shipped to a hazardous waste disposal facility in Michigan.

As a result of this situation, the DNR sent the Responsible Party (RP) letter to Kipp. An RP letter is a tool used by the DNR to inform an individual or business responsible for contamination about their legal responsibilities for cleanup. Letters often include specific steps needed for assessment and cleanup, references to any state and federal environmental laws related to the cleanup and legal ramifications for failure to address any cleanup requirements.

The RP letter sent to Kipp gives the company 90 days to address all the concerns listed by DNR in the letter, regarding the PCB issues recently discovered. In the letter, the DNR states Kipp's failure to address issues in the RP letter may result in further state and possibly federal enforcement action (in addition to the current DNR referral of Kipp to DOJ).

In addition to this issue, we will continue to monitor all current cleanup activities at Kipp. Please visit the DNR's [Kipp web page](#) for more information.

[Click here](#) for information on PCBs from the Department of Health Services.

Next Kipp Neighborhood Update: Sampling Results – Contractors for Madison Kipp and DNR are continuing to take sub-slab vapor samples and indoor air samples at designated homes close to the facility. Some results have already returned from the lab, and we are still waiting for others. When results are delivered, DNR, Department of Health Services and Public Health: Madison-Dane County are working privately with the homeowners and tenants to explain the findings, and discuss any next steps that may need to be taken. Once residents have been informed, the test results will be made public. Look for some of those available results next week, in our Kipp Neighborhood Update.

Please contact project manager Mike Schmoller with further questions (608.275.3303, michael.schmoller@wisconsin.gov), or view the 'Additional Resources' box below.

Additional Resources

Where Can I Find More Information?

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

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

- DNR Soil/Groundwater Cleanup:** Mike Schmoller, WDNR Project Manager
608.275.3303, michael.schmoller@wisconsin.gov
- Health Effects of Contamination:** John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com
- General Community Concerns:** Linda Hanefeld, WDNR Team Supervisor
608.275.3267, linda.hanefeld@wisconsin.gov

Neighborhood Update

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



Date: 04/12/2012

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.

Sub-Slab Testing Begins at DNR-led Sites

This week, the contractor hired by DNR to perform sub-slab vapor samples and indoor air samples at more than 25 homes in the vicinity of Madison Kipp Corporation will begin to collect a portion of those samples. Tests are scheduled for at least nine homes. These are the homes whose owners have signed access agreements with the DNR.

The DNR's contractor, SCS/BT Squared, began sampling those homes Wednesday, April 11, and Thursday, April 12. Additional homes will be sampled in the future, including the weeks beginning April 16, and April 23.

If your home has been slated for testing by DNR's contractor ([Click here for a map of sampling locations](#)), you should have received an access agreement by mail from DNR. If you are on the list to be sampled by DNR's contractor, and have not yet submitted your access agreement, please sign it as soon as possible and return it to the DNR. If you do not plan to sign the agreement or have questions, please contact project manager Mike Schmoller (608.275.3303, michael.schmoller@wisconsin.gov).

Additional Resources

Where Can I Find More Information?

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608.275.3303, michael.schmoller@wisconsin.gov

Health Effects of Contamination: John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

General Community Concerns: Linda Hanefeld, WDNR Team Supervisor
608.275.3267, linda.hanefeld@wisconsin.gov



Neighborhood Update

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

Date: 04/05/2012

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.

Public Availability Sessions Recap

Our thanks to those of you who made time to join us for our public availability sessions on Thursday, March 22 and Tuesday, March 27. We appreciated hearing your input, questions and concerns about the Kipp site, and extend our thanks to homeowners who took the opportunity to sign access agreements which allow our contractors to perform sub-slab and indoor air testing.



Residents join state agency representatives during one of two public availability sessions to discuss the Madison Kipp site. (DNR photo)

Timelines for upcoming sampling work

As we communicated in our [previous newsletter](#), and during the public availability sessions, there are two tracks of work currently underway. Track one is the work being conducted by Arcadis, the environmental consultant for Madison Kipp. Track two is the work being conducted by the environmental consultant recently contracted to work for the DNR on this case: SCS/BT Squared. *(Note: the contract was officially approved this week).*

The following timelines list work that is currently scheduled to be completed by both consultants over the next several months, along with the current status of each action.

Workplan for Madison Kipp's Consultants	
Action	Status
Conduct sub-slab & indoor air sampling*	9 of 11 Samples Completed

Workplan for Madison Kipp's Consultants – Continued	
Action	Status
Install and operate a soil vapor extraction (SVE) system to conduct remediation on the eastern portion of the Kipp property (see map on page 13 of the SVE Report for location details)	System is currently active
Collect one round of volatile organic compound (VOC) samples at water level measurements from 18 wells (both on-site at Kipp and off-site)	Due: April 15
Collect 22 shallow soil samples *	Due: May 15
Install three off-site shallow groundwater monitoring wells & collect two VOC samples and one water level measurement for each well	Due: May 15

* Sampling refers to the following addresses:
102, 106, 110, 114, 118, 136, 128, 130, 134, 138, and 142 S. Marquette St.

Workplan for DNR's Consultants	
Action	Status
Conduct sub-slab & indoor air sampling ^	Requesting access agreements; Responses requested by: April 6 ; Scheduling sampling dates and times: beginning April 9

^ Sampling refers to the following addresses: 109, 123, 146 (indoor air only), 147, 151, 166 (indoor air only), 202, 206, 210, 214, 218, 222, 226 and 230 South Marquette Street; 230, 233, 237, 241, 242, 245, 249, 250, 253, 257, 261, 265 and 269 Waubesa Street; and 2902 Fairview.

[Click here](#) for a map of sampling locations.

As of April 2, 10 of 28 homeowners had signed access agreements with the DNR to allow for testing in their home. For homes being addressed by Madison Kipp's consultants, nine of 11 homes have signed agreements.

Once DNR's consultant has scheduled sampling times with homeowners, work will move ahead at homes which have signed access agreements. We will still seek access agreements for selected homes, as our timeframe allows. All homeowners with properties identified for testing are encouraged to allow access. Testing on these properties will help the DNR and Kipp collect data necessary to identify any homes where vapor mitigation is needed, and also make important decisions about the next steps in this cleanup.

How will test results be communicated?

When any sampling results come in, Wisconsin Department of Health Services and/or Dane County-Madison health officials will contact the homeowner and residents personally to discuss the results and provide written clarification of what the results mean. The DNR will also work with neighbors directly to help people understand the results, and is always available to answer questions. Results will then be made public through this e-newsletter service and via the DNR's [Madison Kipp website](#).

Please contact project manager Mike Schmoller with further questions (608.275.3303, michael.schmoller@wisconsin.gov), or view the 'Additional Resources' box below.

Additional Resources

Where Can I Find More Information?

Website: dnr.wi.gov: Search "Kipp"

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General Community Concerns: Linda Hanefeld, WDNR Team Supervisor
608.275.3267, linda.hanefeld@wisconsin.gov

Neighborhood Update

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



Date: 03/19/2012

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 Alderperson Marsha Rummel. 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.

Status of sub-slab and indoor air sampling in private homes

In an effort to address citizens' concerns and any public health threat that may exist, the Department of Natural Resources (DNR), through a contractor they are hiring, is planning to perform sub-slab vapor sampling and indoor air sampling at an additional group of homes near Madison Kipp.

The DNR is hosting two public availability sessions to answer questions about the sub-slab and indoor air sampling that will take place in the coming weeks at those homes.

The sessions will be held at the Goodman Community Center, 149 Waubesa Street, on:

Thursday, March 22, from 6:30-8:30pm, in the Merrill Lynch Room (Room C);
and,

Tuesday, March 27, from 6:00-8:00 pm, in the Evjue Room (Room D).

The sessions will be an opportunity for people to talk with DNR staff and their future contractor, SCS/ BT Squared, about the DNR sampling, and for those homeowners to sign access permission forms for DNR sampling if their home is one of the homes identified by DNR for sampling.

At this time, the following residences have been identified by DNR for sampling by our contractor:

- 109, 123, 146, 147, 151, 202, 206, 210, 214, 218, 222, 226 and 230 South Marquette Street;
- 230, 233, 237, 241, 242, 245, 249, 250, 253, 257, 261, 265 and 269 Waubesa Street; and
- 2902 Fairview.

The DNR will offer to install in-home radon mitigation systems at the homes, based on owner consent and vapor sampling results.

It is expected that Madison Kipp will complete the sub-slab and indoor air sampling for 102, 110, 118, 126, 128, 130, 134, and 142 South Marquette Street.

It is also expected that Madison Kipp will work to obtain access agreements and complete sampling at 106, 114 and 138 South Marquette Street. If Kipp does not complete this work, DNR will take steps to obtain the agreements and perform the sampling.

We look forward to meeting with you at the upcoming availability sessions. If you have questions, please don't hesitate to contact Mike Schmoller at 608-275-3303.

Additional Resources

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608.275.3303, michael.schmoller@wisconsin.gov

Health Effects of Contamination: John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com

General Community Concerns: Marsha Rummel, Alderperson, City of Madison
608.266.4071, district6@cityofmadison.com

Neighborhood Update

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



Date: 12/19/2011

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/org/aw/rr/kipp/index.htm) and through Alderperson Marsha Rummel. 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.

New Soil Vapor Sampling Results on Madison Kipp Property

The environmental consultant for Madison Kipp Corporation conducted the latest round of soil vapor testing on November 25, 2011. Samples were taken at nine points on the Kipp property which border neighboring homes, including at some locations sampled in the last round of tests on October 7, 2011. The results from these tests show detectable tetrachloroethylene (PCE) and/or trichloroethylene (TCE) concentrations at eight of the nine locations. *View the attached map to see the testing results.*

These tests indicate that PCE in soil vapors is widespread around the Madison Kipp Corporation property. Additionally, the testing results from the northeast corner of the property came back with noticeably higher PCE levels. This indicates a risk that soil vapors could be reaching nearby homes on the north end of S. Marquette Street.

Next Steps

Reducing Potential Exposure to Vapors

In response to this new data, the DNR is working with the Wisconsin Department of Justice and Madison Kipp Corporation to further increase the scope of environmental work being conducted at the Kipp property and neighboring homes. The Wisconsin Department of Health Services and Public Health – Madison & Dane County are both monitoring test results and making recommendations as well.

The goal of DNR and our partner agencies is to quickly assess and eliminate any public health threats posed by contaminated vapors migrating into nearby homes. In order to properly assess the situation, we plan to test the 30 residential properties immediately bordering Kipp. This includes properties which have not been previously tested for contaminated soil vapor: 233, 241, 245, 253, 257, 265 and 269 Waubesa Street and 106, 110, 118, 128, 130, 134, 138, 206, 214, 226 and 230 S. Marquette Street. Properties which already have been sampled will be re-sampled.

Additionally, we recommend soil-vapor testing beneath the basements of 11 homes on the northern-most end of S. Marquette Street (102 through 142 S. Marquette Street). Five homes in the area have already undergone such testing (146-166 S. Marquette Street). This type of test (known as sub-slab sampling) requires a contractor to enter your home on at least two occasions –with your permission– to conduct the testing. The DNR publication *Vapor Intrusion: What to Expect if Vapors from Soil and Groundwater Contamination Exist on My Property (RR-892)* includes an explanation of this testing process. To view a copy, visit dnr.wi.gov/org/aw/rr/archives/pubs/RR892.pdf.

Background information: Learn more about PCE and TCE on the DNR's Madison Kipp Investigation & Cleanup website: dnr.wi.gov/aw/rr/kipp/index.htm.

Neighbors may recall that the five homes originally selected for sub-slab sampling were the homes closest to the reported source of the contamination. At the time the homes were tested in November 2010, results showed PCE detections at three of the five homes tested. Indoor air samples revealed levels of PCE contamination slightly above actionable levels at one of the three homes.

At all five homes, vapor mitigation systems were installed to vent any contaminated vapors into the outside air, above the top floor of the home (*see picture*). These systems are the same equipment used to prevent radon exposure.



An example of a vapor mitigation system (courtesy: WI Department of Health)

Clean Up of Contamination

Since our last neighborhood update, DNR has continued to work with the Wisconsin Department of Justice (DOJ) and Madison Kipp Corporation to finalize a Scope of Work, which will outline a set of interim actions the company must take to continue to assess and clean up environmental contamination. Once DOJ has finalized the Scope of Work, DNR will work with Madison Kipp to implement actions defined in the document. A public meeting will be arranged (with two weeks advance notice) to outline the next steps are in this process.

Note: Timing of These Results

The timing of these most-recent testing results has pushed this announcement well into holiday season. While we understand that this timing is unfortunate, we hope you can understand that the DNR and its cooperating agencies are committed to openness and transparency. When it comes to matters of public health, we strive to deliver accurate information to you as quickly as possible.

Additional Resources

Where Can I Find More Information?

Website: dnr.wi.gov/org/aw/rr/kipp/index.htm

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: Mike Schmoller, WDNR Project Manager
608.275.3303, michael.schmoller@wisconsin.gov

Health Effects of Contamination: John Hausbeck, Public Health – Madison & Dane Co.
608.243.0331, jhausbeck@publichealthmdc.com


General Community Concerns: Marsha Rummel, Alderperson, City of Madison
608.266.4071, district6@cityofmadison.com


Soil Vapor Sampling
Madison Kipp Corp. & Neighboring Properties
 December 19, 2011 – Not to Scale


PCE – tetrachloroethylene
 TCE – trichloroethylene
 DCE – *cis*-1,2-dichloroethylene
 ppbv – parts per billion by volume
 ND – not detected


 house with installed mitigation system


Sampling Info

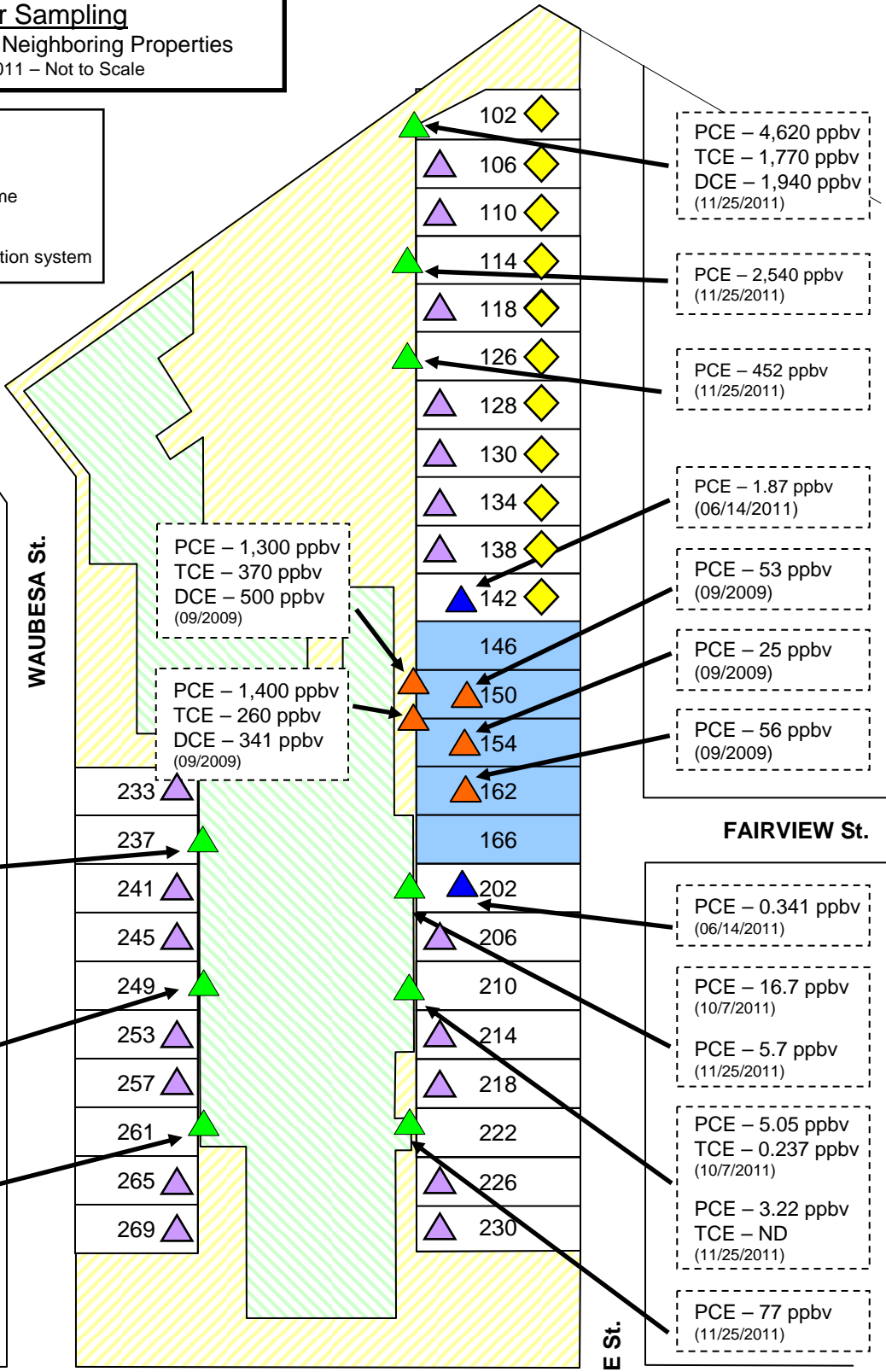
 Oct 7, 2011 and Nov 25, 2011

 June 2011

 2009 to 2006 (most recent result)

 Proposed Soil Vapor Probe (19)

 Proposed Sub-Slab Port (11)



PCE – 97.0 ppbv
 TCE – 0.482 ppbv
 (10/7/2011)

PCE – 53.0 ppbv
 TCE – ND
 (11/25/2011)

PCE – 18.9 ppbv
 (10/7/2011)

PCE – 8.44 ppbv
 (11/25/2011)

PCE – ND
 (11/25/2011)

PCE – 1,300 ppbv
 TCE – 370 ppbv
 DCE – 500 ppbv
 (09/2009)

PCE – 1,400 ppbv
 TCE – 260 ppbv
 DCE – 341 ppbv
 (09/2009)

PCE – 4,620 ppbv
 TCE – 1,770 ppbv
 DCE – 1,940 ppbv
 (11/25/2011)

PCE – 2,540 ppbv
 (11/25/2011)

PCE – 452 ppbv
 (11/25/2011)

PCE – 1.87 ppbv
 (06/14/2011)

PCE – 53 ppbv
 (09/2009)

PCE – 25 ppbv
 (09/2009)

PCE – 56 ppbv
 (09/2009)

PCE – 0.341 ppbv
 (06/14/2011)

PCE – 16.7 ppbv
 (10/7/2011)

PCE – 5.7 ppbv
 (11/25/2011)

PCE – 5.05 ppbv
 TCE – 0.237 ppbv
 (10/7/2011)

PCE – 3.22 ppbv
 TCE – ND
 (11/25/2011)

PCE – 77 ppbv
 (11/25/2011)

ATWOOD Ave.

S. MARQUETTE St.

Neighborhood Update

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



Date: 11/03/2011

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/org/aw/rr/kipp/index.htm) and through Alderperson Marsha Rummel. 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.

New Soil Vapor Sampling Results on Madison Kipp Property

The environmental consultant for Madison Kipp Corporation recently conducted soil vapor testing on the Kipp property on October 7, 2011 (please see *attached map for exact sampling locations*). The results from these tests show detectable tetrachloroethene (PCE) and trichloroethene (TCE) concentrations along the property line at 237 and 249 Waubesa Street and 202 and 210 South Marquette Street. Soil vapor samples detected PCE in all 4 samples and TCE in 2 samples. (For comparison purposes the attached map also shows results of some, but not all, of previous soil vapor sampling from on the Kipp property and several residential properties).

Background information: Learn more about PCE and TCE on the DNR's Madison Kipp Investigation & Cleanup website: dnr.wi.gov/aw/rr/kipp/index.htm.

Since the samples were taken in the soil, the vapors do not pose a human health risk. However, the presence of PCE and TCE in these soil vapor samples demonstrates that vapor migration and intrusion poses a plausible pathway to indoor air of nearby homes. Further investigation is needed to definitively determine whether or not vapor migration and intrusion is a completed exposure pathway.

Next Steps

On October 31, 2011, MKC's consultant installed five new probes to collect soil vapor samples on the MKC property adjacent to five private properties at 102, 114, 126, and 222 South Marquette Street and 261 Waubesa Street. The consultant is also planning to resample the four vapor probes on MKC property adjacent to 237 and 249 Waubesa Street and 202 and 210 South Marquette Street. Sampling at those locations is scheduled to take place the week of November 7th.

Results should be returned within the next three weeks. Decisions about what additional actions may be required will be determined when the new data is available.

Given the results of the October 7th vapor samples adjacent to 237 and 249 Waubesa Street and 202 and 210 South Marquette Street, these property owners may be contacted by MKC to obtain access for collecting soil vapor samples on each of their properties.

Background Information: An attached map shows some of the historic and also the most recent soil vapor testing results from sampling locations around the Kipp facility.

Scope of Work Update

As discussed at the October 15, 2011 public meeting, DNR is still working with Kipp, the city, the city-county health department, and the Wisconsin Department of Health Services (DHS) to finalize a Scope of Work to outline the interim steps that Madison Kipp must take to address environmental contamination concerns. Some steps outlined in the draft Scope of Work are already being addressed, as evidenced by the soil vapor testing referenced above.

Public Information

Public comments collected at the October 15 public meeting or sent directly to DNR project manager Mike Schmoller are being taken into account during this finalization process. The DNR will notify the neighborhood and public, once the Scope of Work is finalized.

Additional Resources

Where Can I Find More Information?

Website: dnr.wi.gov/org/aw/rr/kipp/index.htm

Public Document Repository: Hawthorne Public Library Information Desk
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General Community Concerns: Marsha Rummel, Alderperson, City of Madison
608.266.4071, district6@cityofmadison.com


Soil Vapor Sampling
 Madison Kipp Corp. & Neighboring Properties
 November 2, 2011 – Not to Scale


PCE – tetrachloroethylene
 TCE – trichloroethylene
 (shown only if TCE was detected)
 ppbv – parts per billion by volume


 house with installed mitigation system

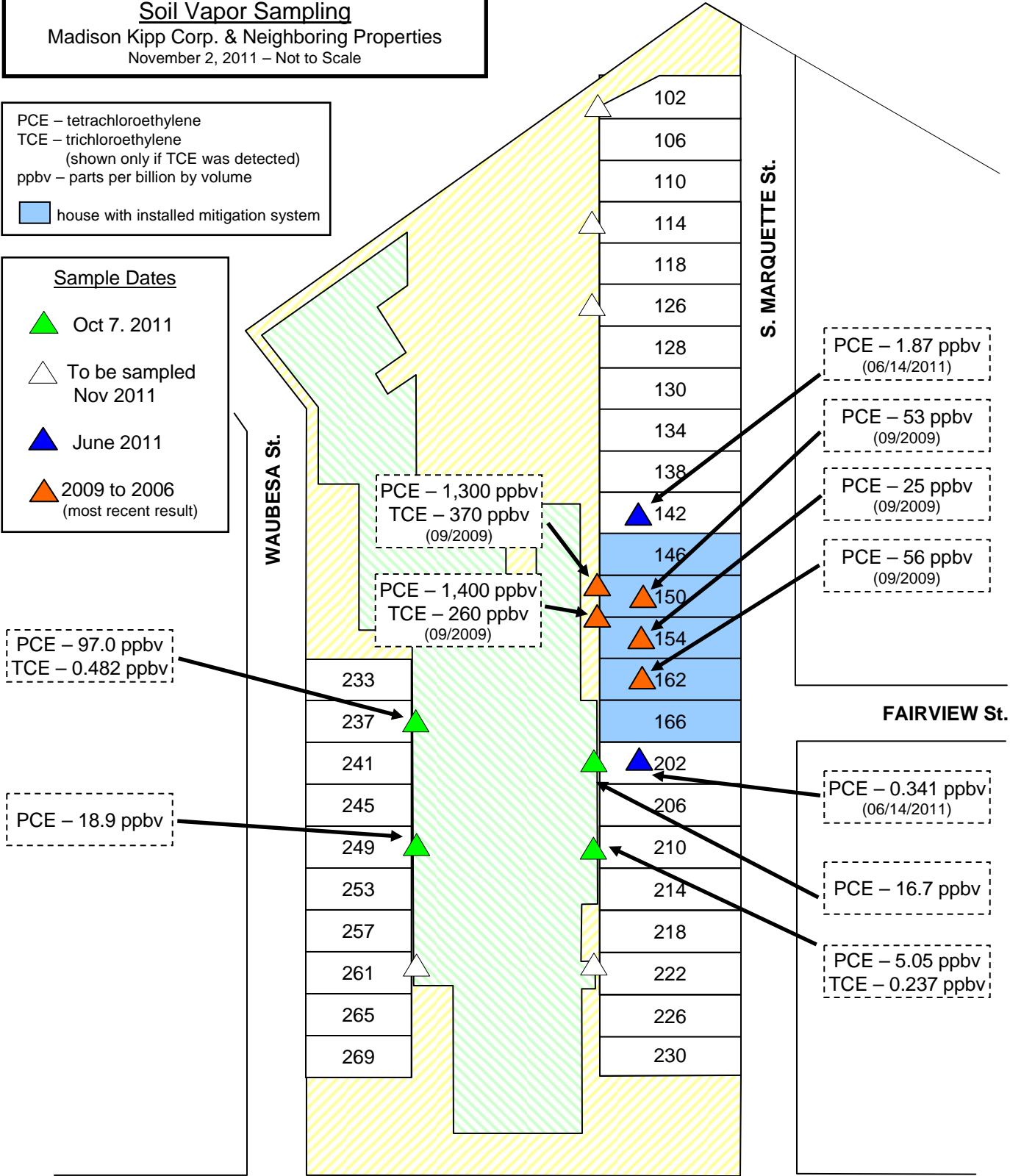
Sample Dates

 Oct 7, 2011

 To be sampled
Nov 2011

 June 2011

 2009 to 2006
(most recent result)



Neighborhood Update

Madison Kipp Corporation Investigation & Cleanup

Wisconsin Department of Natural Resources (DNR)



DNR Responses to Neighborhood Questions

The DNR's Remediation and Redevelopment Program is working to provide feedback to your questions and comments regarding the investigation and cleanup of contamination at the Madison Kipp Corporation. These questions have been raised to the DNR chiefly at public information meetings in June and October 2011.

Below is a list of consolidated questions to many of the issues raised at public meetings, along with the Department's answers.

Background Information

Contamination at the Madison Kipp Corporation property was discovered during the investigation of the neighboring Madison Brass Works property. In 1994, the DNR sent a letter to Kipp notifying the company of its responsibility under the state's "Spills Law," (state statute s. 292.11, Stats.). It is this statute that provides DNR the authority to require Kipp to fully investigate, remediate and address any public health, safety, welfare and environmental issues associated with historic hazardous substance discharges to the soil and groundwater on – and emanating from – its property.

See page 5 for a list of additional resources of information.

Question#1: Why is Madison Kipp hiring the contractor performing environmental testing in the neighborhood? Isn't this a conflict of interest? Shouldn't DNR be performing these tests?

Answer: State law requires that the party responsible for a discharge of a hazardous substance take the necessary response actions to properly address the situation. This means that most people hire an environmental consultant to develop and implement an approach to investigate and clean-up the contamination. The DNR cannot dictate to the responsible party (RP) whom they can hire, nor does DNR prescribe the clean-up approach. The DNR has professional requirements for such consultants established in ch. NR 712, Wis. Admin. Code.

The DNR's role is to provide oversight on the approach being taken, and to review data gathered from the work performed to ensure the goals of protecting human health and restoring the environment are achieved. If the RP fails to proceed with an investigation or clean up of contamination, DNR has several enforcement options available to it to ensure the RP fulfills its obligation under the Spills Law. However, the DNR does not have the resources to hire the environmental consultants, pay them and seek cost recovery for the more than 4,000 sites that still require some type of response action in the State.

Question#2: Why doesn't DNR simply require Madison Kipp to excavate all the areas of contamination that they have identified on Kipp's property?

Answer: The soil investigations conducted to date have identified three primary areas of soil contamination at the Kipp property: (1) along the northeastern property boundary bordering the bike path, and in 2 places along on the eastern side of the

building, (2) in the location of monitoring well 3 (in the middle of the property along the east side) and (3) in the location of monitoring well 5 (bordering the backyards of several Marquette Street properties) (*maps from Kipp showing well and contaminant locations and additional site details will be forthcoming*).

Between 1998 and 2005, all three areas of soil contamination were remediated in-place by injecting a chemical into the soil to break down the contamination (known as in-situ oxidation). This treatment method reduced soil tetrachloroethene (PCE) contamination levels from the several hundred parts per million (ppm) to less than 5 ppm, and in some instances to below 1 ppm.

The mass of soil contamination remaining on-site has been reduced using this approach; however, DNR is recommending further response actions, including additional treatment of the residually contaminated soil. Further soil excavation is not currently being recommended because we believe excavation would not significantly improve future soil vapor or groundwater problems. This is based on the understanding that only a small amount of the contaminant mass remains. Also, there are significant structural impediments to digging up the remaining portions of contaminated soil. Requiring this amount of excavation would divert resources from more effective remedial methods.

Question #3: Can a soil vapor extraction system (SVE) really reduce the contamination levels within a reasonable time period?

Answer: Yes. Rather than pursuing additional soil excavation on-site at this time, it is believed that the proposed soil vapor extraction system (SVE), if feasible, will not only control the migration of contaminated soil vapors, but will also provide more efficient treatment of the remaining low-level soil contamination.

The feasibility of the SVE system will be determined using an in-field pilot study to determine whether soils are suitable for extracting contaminated vapors in an effective manner. Kipp and DNR will jointly determine whether the system is effective.

If the SVE system fails or is not feasible, then the residential soil vapor issues will be mitigated using sub-slab vapor mitigation systems, which are the same systems installed to control radon in homes. However, it is possible that new testing results will lead to the installation of vapor mitigation systems in more homes, regardless of the success of the SVE system.

Question#4: If the Soil Vapor Extraction System (SVE) is venting vapors to the outside air, isn't that dangerous too?

Answer: Not likely. Dangers of outdoor air pollution will be taken into consideration when designing the protective remedial action for the site. The SVE system will remove soil vapor contamination, which will then be discharged to the atmosphere. The concentrations of contaminated vapors will be monitored by Kipp, and reported to the DNR. If they are found to pose a health risk, they will be treated to levels that don't present health or environmental risks prior to venting to the atmosphere. The emissions data will be reviewed by DNR's Air Management staff to determine whether a permit

and/or treatment for the system is necessary. Those concentrations are not expected to pose a health hazard, given what we know about contaminant levels.

Question#5: Why isn't DNR requiring Madison Kipp to test soils in the front yards or side areas of properties, in addition to the current testing in backyards?

Answer: Based on DNR analysis and experience, there does not appear to be a pathway whereby contamination would migrate from the Kipp Property to the soils in the front and side areas of adjacent properties. It is believed that off-site soils in neighboring yards have become contaminated by either: (1) contamination in surface water/run-off from the Kipp property or (2) through discharges from historic manufacturing operations in the vicinity of Well 5. Given these modes of contaminant movement, DNR believes the most likely areas of off-site contamination are the backyards of the properties adjacent to the Kipp property. Therefore, the off-site soil sampling plan is designed to look for soil contamination in the backyards along Marquette Street (near the property boundary) first, and then expand testing further from the property boundary, as results warrant.

Question#6: Why isn't DNR requiring that soil samples be taken beneath the Madison Kipp building?

Answer: During this phase of work there are no plans to sample the soils beneath the Kipp building. The current evidence does not support the presence of a soil contaminant source beneath the building. Kipp's environmental consultant is currently in the process of collecting vapor data between the Kipp building and nearby homes. This testing may tell us if there is a concern from contamination beneath the on-site structure. This new vapor data may lead us to require sampling beneath the manufacturing building but to require it now would be premature.

Question#7: I'm worried about the effects the contamination may have on our deep groundwater. What is being done?

Answer: The extent of deep groundwater contamination has not been defined. DNR is requiring Kipp to characterize the nature and extent of the deep aquifer contamination. The shallow groundwater contamination (from ground surface to depths of approximately 20-feet below ground surface) is limited to on-site. The distribution and flow direction of deeper contamination (depths of 170 feet or more) is not fully known. To date, there is no indication that there is undissolved PCE in groundwater. Based on what is known now, the contamination at Kipp does not appear to be threatening the water quality in City of Madison well #8.

Question#8: I've heard other states have tougher standards for PCE contamination in soil. Why doesn't DNR adopt those standards?

Answer: To be protective of human health at this site, the state's regulatory agencies and Kipp have already decided to use soil standards more restrictive (protective) than that required by DNR guidance. By applying these more restrictive standards to the top one foot of soil, the soil most likely to be encountered by a landowner, then excavating that contaminated material, we believe we will be adequately protecting human health. The

risk associated with potential re-contamination of surface soils by vapor migration is very low.

The state has an accepted, administrative code-based protocol for establishing soil standards. This protocol relies on specific toxicity data from the Environmental Protection Agency, as well as a detailed set of exposure assumptions and risk calculations. This is the process we consistently use across the state, and provides soil standards that are protective of human health. Other states use slightly different methodologies to prepare their state soil standards. These methodologies are different, but not necessarily better. The procedures used by DNR provide concentrations that are protective of human health. State agencies cannot pick soil standards from different states that use varying methods and assumptions for one specific site; that would lead to inconsistent enforcement across the state.

Question#9: Is Kipp in compliance with other state regulatory requirements?

Answer: Based upon a review of DNR records, Kipp is in compliance with solid and hazardous waste management requirements.

Kipp was inspected in 2008 by air management staff. At that time, it was noted that there have been incidents of the doors and windows being left open. Under the terms of the air permit, the doors and windows at the facility are only to be opened either for material transfer or to control the temperature for the safety of the employees. This matter was addressed with Kipp. Questions about Madison Kipp's compliance with its air permit should be referred to Jennifer Hamill, Air Management Program, 608-273-5608, jennifer.hamill@wisconsin.gov.

Question#10: Can a map of the neighborhood be provided that shows where the contamination is?

Answer: Kipp is developing the maps and other visual information that will better present the site data and aid in the understanding of the areas of known soil, soil vapor, and groundwater contamination to-date. DNR will make the new maps available to the public through its Madison Kipp Investigation and Cleanup webpage (dnr.wi.gov/org/aw/rr/kipp/index.htm) and in the public document repository at the Madison Public Library's Hawthorne Branch. Kipp will update those maps as new, significant data and milestones are met. These new maps will be made available on the web and at the library as DNR receives them.

Question#11: I feel I will never be able to sell my home because of the contamination concerns. Can DNR require Madison Kipp to pay for any lost property value?

Answer: Simply put, DNR does not have the authority to require Madison Kipp to pay for any alleged lost property value.

Property owners have all rights under local, state and federal law to address their concerns at this site. The DNR has authority to require Kipp to follow the law when

cleaning up contamination that resulted from its historic operations. However, if contamination is migrating from Kipp onto neighboring properties, those impacted properties and owners may be eligible for the state's off-site discharge exemption. For more information on this exemption, please see <http://dnr.wi.gov/org/aw/rr/liability/offsite.htm>.

Additional Resources

Where Can I Find More Information?

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- General Community Concerns:** Marsha Rummel, Alderperson, City of Madison
608.266.4071, district6@cityofmadison.com

Health Information for Residents
Vapor Intrusion Near Madison Kipp Corporation
201 Waubesa Street, Madison, WI
June 2011

Summary

Groundwater and soils at certain locations on the Madison Kipp Corporation (MKC) property are contaminated with chlorinated solvents. Investigations are continuing to determine the extent of contamination around the neighboring areas to the east of the MKC property at 201 Waubesa Street.

Sampling in 2002 at three adjacent residential yards found solvent contamination at low levels in subsurface soils. Shallow groundwater at the MKC property is also contaminated, but municipal water serves the area and is not affected by this contamination. State and local agencies are coordinating with MKC to investigate the migration of contaminated vapors into residential homes on the eastern side of MKC. The migration of vapors through soils and into nearby buildings is known as Vapor Intrusion.

Background

Since 1994 the Wisconsin Department of Natural Resources (DNR) and MKC have investigated soil and groundwater contamination from chlorinated solvents at the MKC property. In 1995, groundwater beneath MKC was found to be contaminated with tetrachloroethylene (PCE), which has not been used at MKC since 1989 (?). Drinking water is provided by the Madison Water Utility and a nearby municipal well is not affected by this contamination.

In 2002 soils on the east side of the facility were found to contain elevated levels of PCE. In 2002 soil samples were collected from three backyards of homes on the west side of Marquette Street. PCE was found in soils, but the levels did not pose a direct contact health concern. In 2005 MKC injected an oxidizing agent into affected soils on their property and three neighboring properties to breakdown and eliminate PCE.

In 2006, MKC also installed vapor probes in the three backyards to determine whether PCE vapors were migrating through sub-surface soils and towards homes. Initial results did not detect PCE vapors, but more recent sampling found PCE vapors in yards and near homes. In 2010 samples from beneath the three homes found elevated PCE vapors. Sampling of indoor air found a trace amount of PCE in one home. This amount of PCE is not known to cause adverse health effects, but does pose a slightly increased cancer risk.

In April 2011, MKC installed a sub-slab vapor mitigation system in each of the three homes, which effectively removes PCE vapors from beneath the homes and prevents soil vapors from entering indoor air.

What is happening now?

In May 2011 MKC installed mitigation systems in two more homes, one on each side of the affected homes. While soil vapors have not been sampled on these properties, installing the mitigation systems is a precautionary measure. MKC will also be placing soil vapor probes in the yards of two other properties. These probes will be sampled to determine whether PCE vapors are present and if further action is needed.

For backyard soils that were treated in 2005, MKC will collect samples to determine the effectiveness of the treatment and whether any PCE remains.

The DNR and state and local health departments are coordinating with MKC for the installation of additional monitoring wells on the East side of Marquette Street to determine if there is any potential vapor migration issues to residents on this side of the street. If contamination is found in these groundwater monitoring wells, further

investigation and testing of PCE in soil vapor may be done on properties on the east side of Marquette Street as well.

Is there a health risk?

DNR, Public Health – Madison & Dane County, and Wisconsin Department of Health Services (DHS) have reviewed the sampling data and determined that the primary route of exposure to residences is from contamination through vapor intrusion. Three homes next to MKC had elevated levels of PCE beneath the basement concrete floor. Sampling of indoor air found a trace of PCE in one home. Breathing this level of PCE for many years is not known to cause adverse health effects, but does pose a slightly increased cancer risk. Sub-slab mitigation systems are known to effectively remove PCE vapors from beneath the floors and prevent these vapors from reaching indoor air.

Also, as mentioned previously, municipal water that serves this area has not been affected by the contamination.

What to expect

New groundwater monitoring wells will be installed and sampled on the east side of Marquette Street. Soil vapor probes will be installed on the west side of the street. The results from sampling these wells and probes will determine if additional investigation for vapor intrusion is needed.

State and local agencies will continue to coordinate with MKC to identify the extent of the contamination from the release of PCE on MKC property. MKC will continue to clean up the source of the contamination on their property and take action to clean up contaminated soils and prevent exposure to PCE vapors in soil gas

Where can I learn more?

Informational fact sheets on Vapor Intrusion and Tetrachloroethylene are available at these links:

Tetrachloroethylene

<http://www.dhs.wisconsin.gov/eh/ChemFS/fs/Tetrachlor.htm>

Vapor Intrusion

www.dhs.wisconsin.gov/eh/Air/fs/VI.htm

<http://dnr.wi.gov/org/aw/rr/technical/vapor.htm>

Contact Information

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Madison, WI 53704
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mmeunier@madison-kipp.com

Neighborhood Update

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



Date: 11/12/2014

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.

Rain Garden Cleanup Update

As noted in the previous update, clean-up activities for the rain garden along the bike path have been completed. The electronic record can be accessed [here](#). The DNR database lists the site as open since it has not yet gone through the final DNR closure review process. However, all necessary work has been completed.

In addition, following the rain garden cleanup a small excavation of PCB contaminated soil took place on a City of Madison property adjacent to the rain garden parcel. Soil sampling confirmed that no further action was necessary. The area was backfilled with clean soil and was then paved with 6-inches of asphalt by MKC. The report documenting the work can be accessed [here](#).

Permanent SVE remediation building

To replace the temporary soil treatment building on the MKC property, a permanent building to house the soil vapor extraction (SVE) system and water extraction well pump is being built in the northern MKC parking lot.

Construction of the building began the week of October 27th with the excavation of soil to make way for the pouring of concrete footing. Since the soil had previously been identified to be contaminated it was immediately taken off-site and disposed of in compliance with state laws.

Construction is expected to last into December; the groundwater extraction system will commence operation shortly thereafter.

SVE Status Report

Data collected monthly from the soil treatment system from March through August can be accessed [here](#).

Update on MKC subsurface building investigation

As last reported in [06/09/2014](#), Arcadis was investigating the soils underneath the MKC manufacturing facility and found PCB contamination, the highest levels of which are located adjacent to a historical concrete trench located in the middle of the facility. The Environmental Protection Agency, the DNR and MKC are in discussions about how to address the PCBs underneath the building.

Additional Resources

Where Can I Find More Information?

- Website:** dnr.wi.gov: Search "Kipp"
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