

Mike Schmoller  
Project Manager  
Wisconsin Department of Natural Resources  
South Central Region  
3911 Fish Hatchery Rd  
Fitchburg WI 53711

Subject:

Indoor Air Sampling Work Plan, Madison-Kipp Corporation Site, 201 Waubesa Street, Madison, Wisconsin. Facility ID No. 113125320, BRRTS No. 02-13-001569

Dear Mr. Schmoller:

On behalf of Madison-Kipp Corporation, this letter provides a work plan for conducting indoor air sampling activities within the office portion of the Madison-Kipp facility. This work plan was prepared as part of the response to the Wisconsin Department of Natural Resources (WDNR) *Review of March 2013 Madison Kipp Site Investigation and Interim Actions Report, February 2012 – January 2013* letter dated June 20, 2013.

### Vapor Sampling Work Plan

As discussed with you during the meeting at Madison-Kipp on July 8, 2013, a crawlspace exists beneath the office area of the Madison-Kipp building and therefore, sub-slab samples will not be collected. The following presents a description of the proposed activities for indoor air sampling.

### Background Survey

A building survey and chemical inventory of the office area will be completed to determine and document if any indoor air sources of volatile organic compounds (VOCs) exist within the office space. The building survey and chemical inventory will be performed in accordance with ARCADIS' Standard Operating Procedure (SOP) for indoor air/ambient air sampling which WDNR approved via electronic correspondence on February 21, 2012.

### Proposed Sampling Locations and Procedures

Six indoor air samples will be collected from locations within the first floor office area and two samples will be collected from within the crawlspace entrances. Figure 1

Imagine the result

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ENVIRONMENT

Date:

August 1, 2013

Contact:

Jennine Trask

Phone:

414.277.6203

Email:

[Jennine.Trask@arcadis-us.com](mailto:Jennine.Trask@arcadis-us.com)

Our ref:

WI001283.0006

presents the approximate sample locations. Crawlspace canisters will be placed inside each of the crawlspace entrances, located on opposite ends of the crawlspace. The crawlspace entrance doors will be kept closed during the sampling. One ambient air sample will also be collected outside the east side of the office building. If this location is not upwind, then a second ambient sample will be collected from an upwind location to be determined on the day of the sampling.

Samples will be collected from the approximate height of a worker (3 to 5 feet above floor surface) in clean, laboratory-supplied, individually certified, 6-liter Summa canisters, and in accordance with the ARCADIS SOP. Samples will be collected over approximately an 8-hour period using 12.5 milliliter per minute flow controllers. Each sample will be submitted for laboratory analysis of five VOCs by United States Environmental Protection Agency Method TO-15. The five VOCs include tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride. The samples will be submitted using appropriate chain-of-custody procedures.

If the indoor air samples collected within the office area contain VOC concentrations less than the non-residential indoor air action level and the crawlspace samples contain VOC concentrations less than the sub-slab vapor action level for residential/small commercial buildings, no further action is necessary. If indoor air concentrations are found to be higher than sub-slab (crawlspace) concentrations, a comparison to any identified indoor air sources will be made to determine if an indoor air source is contributing to the concentrations.

### **Reporting**

A documentation letter will be prepared summarizing the investigation activities, sampling results, and conclusions for submittal to WDNR.

### **Schedule**

Following approval from the WDNR, a schedule for the commencement of the sampling activities will be determined and provided to WDNR.

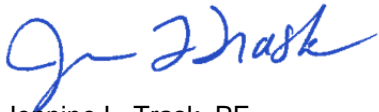
If you have any questions or require any additional information, please contact us at 414.276.7742.

Sincerely,

ARCADIS U.S., Inc.



Christopher D. Kubacki, PE  
Senior Engineer



Jennine L. Trask, PE  
Project Manager

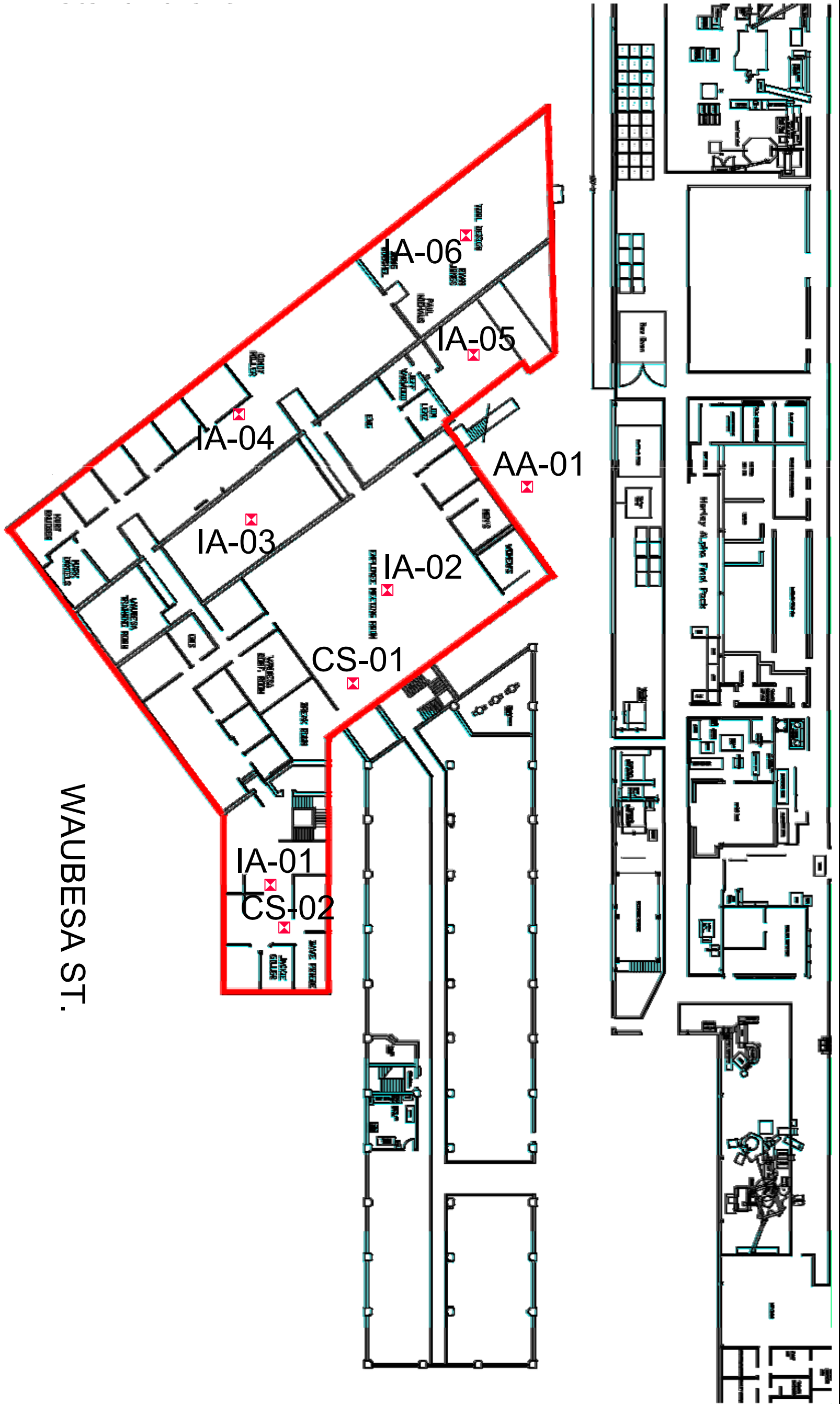
Attachments:

Figure 1 – Proposed Sampling Locations, Madison-Kipp Site

Copies:

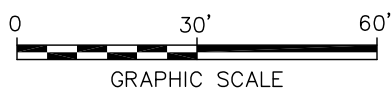
David Crass – Michael Best & Friedrich  
Linda Hanefeld - WDNR  
Mark Meunier – Madison Kipp  
Robert Nauta – RJN Environmental Services (electronic)  
Steve Tinker – Wisconsin Department of Justice (electronic)

XREFS: IMAGES: PROJECTNAME: ---  
01283XX



LEGEND

- OFFICE WITH CRAWLSPACE BELOW
- X PROPOSED SAMPLING LOCATION



MADISON-KIPP CORPORATION 201 WAUBESA STREET MADISON, WISCONSIN	
<b>AIR SAMPLING LOCATIONS</b>	
<b>ARCADIS</b>	FIGURE <b>1</b>