

Memorandum

To: File
From: Tami Rice
Date: 1/11/2012
Re: Site Summary- Diamond V Mills, Cedar Rapids

Ownership History:

The site is currently owned by Diamond V Mills who bought the property in about 1985 from Ronald Moore. Historically, the site operated as a bulk petroleum facility for approximately 75 years or more and stored various products including diesel fuel, fuel oil, gasoline, naphtha, and various solvents. This site came to the Department's attention when an environmental assessment was conducted prior to the 1985 property transaction. Historically there have been complaints of periodic fuel oil odors and product in the storm sewer in this part of Cedar Rapids.

Although Diamond V Mills was not responsible for the contamination that existed onsite when they purchased the property, they agreed to the additional assessment and remediation required by the Department. In December 2002, Diamond V Mills asked that the Department require the previous landowner to finish any assessment and remediation required as they have spent a lot of time and money on the property and were not willing to do any additional work on the site. In May of 2003, the Department requested a site assessment from Ronald Moore, the previous property owner and person responsible for the contamination. Mr. Moore claimed that he was retiring soon and did not have the money to contribute to the cleanup of this property. Mr. Moore claimed that Diamond V Mills was well aware of the contamination on the property when they purchased it. In addition, he indicated that Amoco Oil Company operated from this property for about 40-60 years prior to his ownership while he only operated onsite for about 10 years.

October 28, 2011 DNR Sampling and Data:

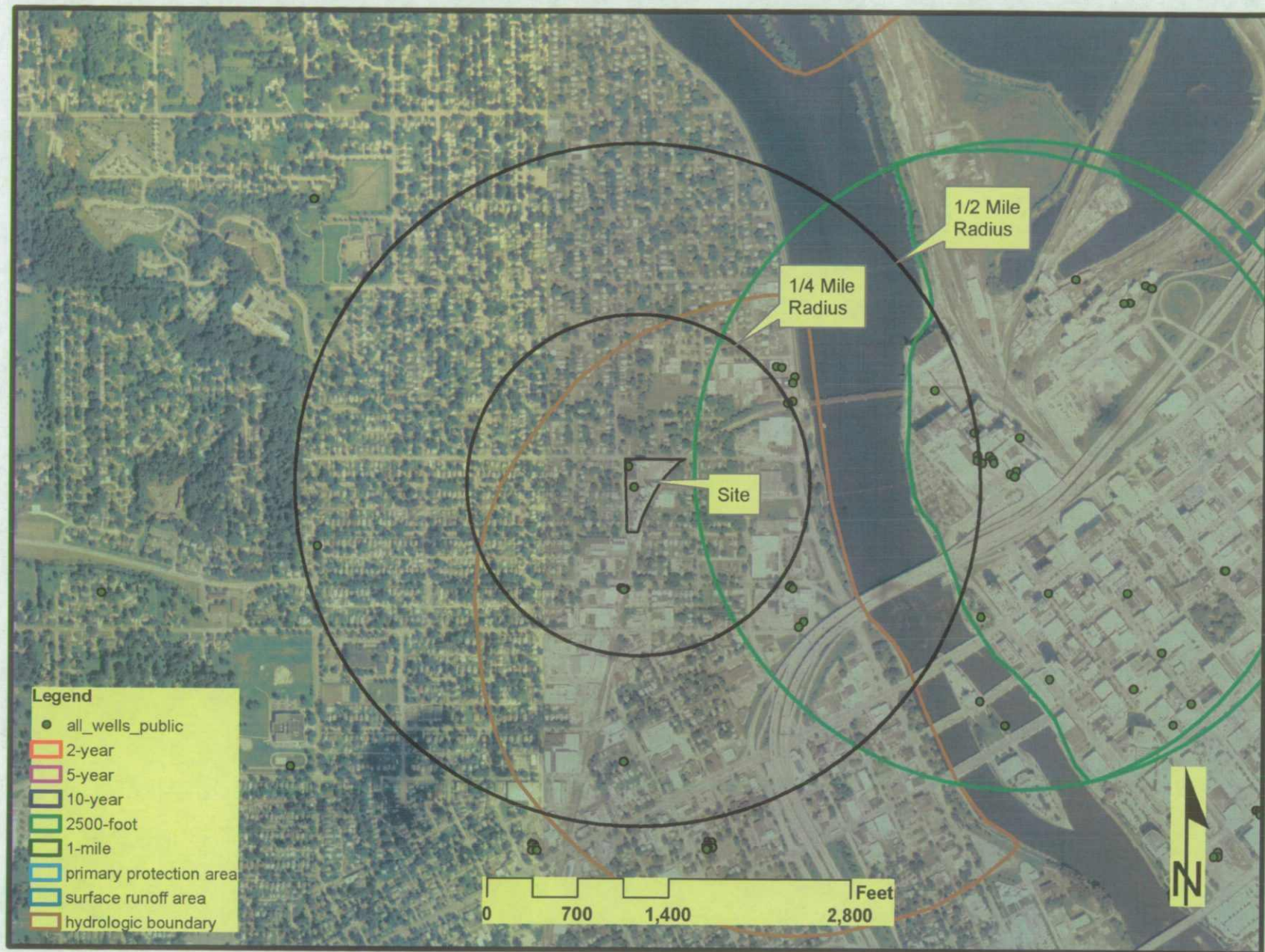
On October 28, 2011, the Department collected groundwater samples from monitoring wells MW-2 and MW-50 for analysis of BTEX, MTBE, and TEH. Table 1 below summarizes data from 1999, 2001, and 2011.

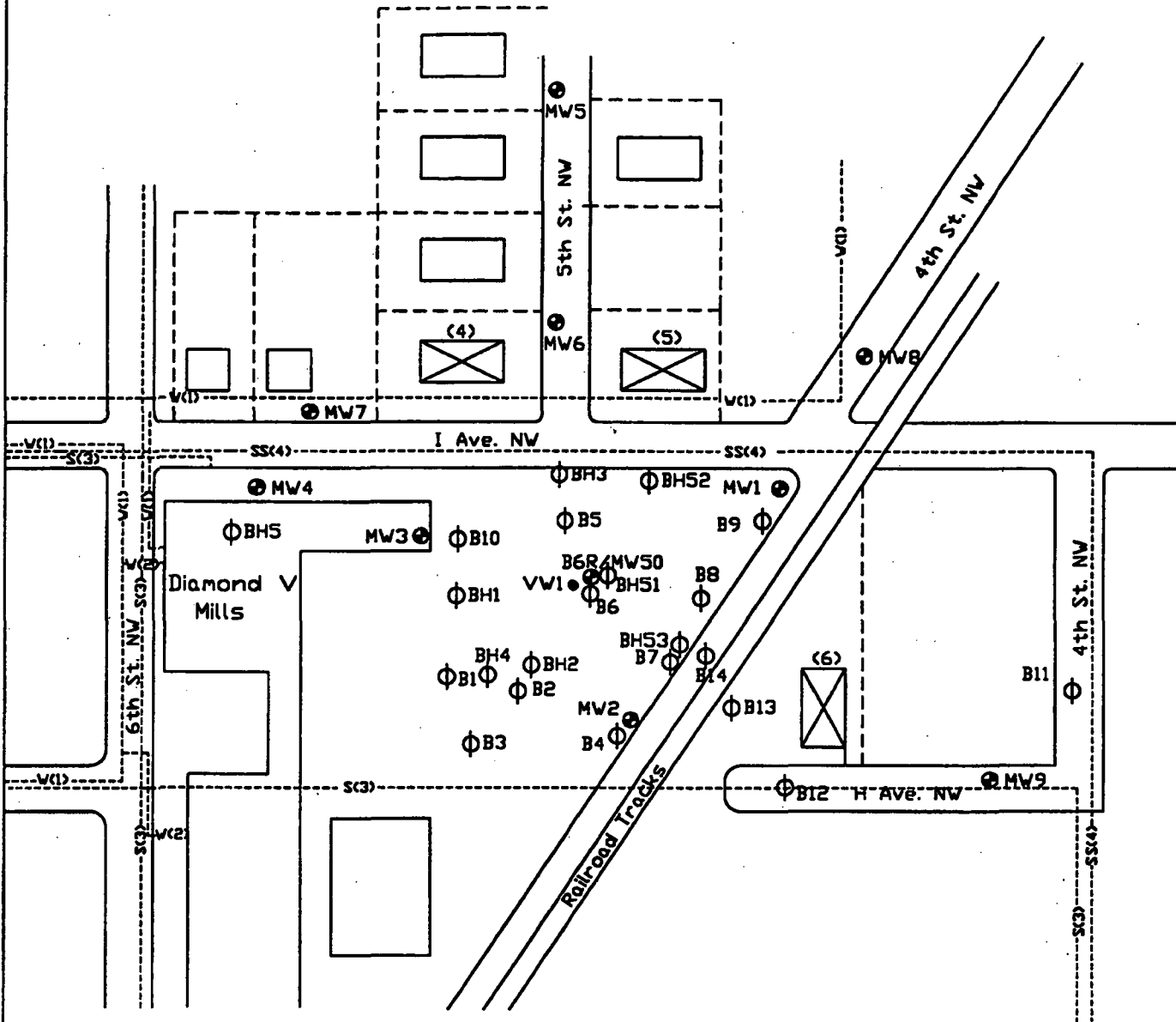
		Benzene	Toluene	Ethylbenzene	Xylene	MTBE	TEH diesel	TEH-waste oil
MW2	7/28/1999	<5	<10	<10	<30	-	6,200	<2,060
	3/13/2001	<5	<5	<5	<15	-	3,960	<380
	10/28/2011	<2	<2	<2	<5	<2	1,800	<100
MW50	7/20/1999	5,770	41	464	329	-	33,000	<3,800
	7/28/1999	7,040	47.3	388	1,160	-	9,600	<3,000
	3/13/2001	7,140	39	112	89	-	4,600	709
	10/28/2011	7,400	37	50	39	420	5,400	<900
Protected		5	1,000	700	10,000	21	1,200	400
Non-protected		290	7,300	3,700	73,000	1,000	75,000	40,000

Receptors:

There is a 417 foot deep commercial well located onsite which is the only well located within a quarter-mile radius of the site. This well appears to be used for industrial cooling water. The Cedar River is located approximately 1,172 feet east of the site.

Diamond V Mills, Cedar Rapids





LEGEND

- ⊕ Monitoring Well Location
- ⊙ Soil Boring Location
- Soil Vapor Well
- W(1)--- Water Main
- W(2)--- Water Service Lines
- S(3)--- Sanitary Sewer Lines
- SS(4)--- Storm Sewer Lines

DRAWN BY:	REP	ASST PROJECT:	A1632
REVIEW BY:	JLK	SCALE:	1" = 100'
DATE:	11/10/99	ASST PM:	REP
LIST NO:	NA	REG. NO:	8609498



Environmental
Managers
&
Constructors

PROJECT SITE: Diamond V Mills
436 G Ave. NW
Cedar Rapids, IA

DRAWING TITLE:

Enclosed Space and Conduit Map



State Hygienic Laboratory

CON 12-15

Doc # 27008

The University of Iowa

Date of report: 11-07-2011

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TAMI RICE

IDNR CONTAMINATED SITES

502 EAST NINTH STREET

DES MOINES IA 50319-0034

Sample Number 2011042524
Date Received 10-31-2011
Project WMSF
Date Collected 10-28-2011 11:30
Collection Site mw-50 diamond v mills
Collection Town Cedar Rapids
Description ground water
Reference 7537/2824
Collector RICE TAMI
Phone (515) 281-4420
Purchase Order

Comments

Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

Results of Analyses 75868 AM 9:04 11/09/11

Total Extractable Hydrocarbons

Analyte	Concentration ug/L	Quantitation Limit ug/L
Gasoline	< 900	900
Mineral spirits	< 900	900
Kerosene	< 900	900
Diesel Fuel	5400	900
Motor Oil	< 900	900
Total Extractable Hydrocarbons	5400	900

Comments

The chromatographic profile of the sample extract did not match this laboratory's fuel or oil standards. Quantitation is based on this laboratory's diesel fuel standard.

Date Analyzed: 11-03-2011 06:59

Analyzed at: Iowa City

Analyst: MA

Method: OA-2

Verified: SM

Date Prepared: 11-01-2011

Analyst: KMB

Verified: GJ

Volatile Petroleum Hydrocarbons by GC/MS

Analyte	Concentration ug/L	Quantitation Limit ug/L
Methyl-t-butyl ether (MtBE)	420	10
Benzene	7400	100
Toluene	37	10
Ethylbenzene	50	10
Total Xylenes	39	25

Comments

Please note that the pH of this sample was less than or equal to 2. The quantitation limits are adjusted for dilution. Also, a number of non-target compound hydrocarbons were observed in the analysis of this sample.

Date Analyzed: 11-03-2011 11:12

Analyzed at: Iowa City

Analyst: LJL

Method: OA-1

Verified: TC

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