

Jackson, Hylton [DNR]

From: Jackson, Hylton [DNR]
Sent: Monday, July 25, 2011 2:56 PM
To: 'Jeremy Mouw'
Cc: Lundberg, Cal [DNR]
Subject: RE: Sunshine Laundry Fort Dodge
Attachments: Sunshine 2011.doc; ljsilvers.jpg

CON 12-15
Doc # 24575

Mr. Mouw,

The Department did do some additional groundwater sampling at the Sunshine Laundry site on May 18, 2011. The six existing permanent wells on the Sunshine property (MW-1 through MW-6) were resampled for chlorinated solvents. That data (along with data from two previous groundwater sampling events) is presented in the attached data summary. Four temporary monitoring wells were installed on the Long John Silver's property east of the Sunshine site (and east of 25th Street South - see attached site diagram). Only two of those temporary wells, PS-1 and PS-2, yielded groundwater samples. Those groundwater samples did not contain chlorinated solvents at any detectable concentration.

The results from this latest round of sampling presented a mixed bag of results. While it is encouraging that no chlorinated solvents were detected in groundwater samples from the Long John Silver's property, the chlorinated solvent concentrations detected in permanent monitoring well MW-3 (the probable source area on the Sunshine property) did show an increase. Additional groundwater sampling of the six permanent monitoring wells located on the Sunshine property is planned. Installation of any additional monitoring wells is not planned at this time. The attached information, along with the laboratory data sheets, will be entered on the data base. Please contact me if you have any questions about the site

Sincerely,
Hylton

From: Jeremy Mouw [<mailto:dadywrbux@msn.com>]
Sent: Friday, July 22, 2011 6:22 PM
To: Jackson, Hylton [DNR]
Subject: Sunshine laundry Fort Dodge

Mr. Jackson,

I was wondering how things are progressing on the Sunshine Laundry site in Fort Dodge. I have not seen anything new for quite sometime on the website. Last I checked you were waiting to do more testing on the Long John Silvers site.

Are you still waiting on that? Any information you may be able to offer would be appreciated.

Thanks,
Jeremy Mouw

Sunshine Data Update
(As of 5/18/2011)

Groundwater Samples
Concentrations in mg/L. Exceedances of Statewide Standard in bold

Sample ID (Date)	Analyte					
	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,2-DCE	Vinyl Chloride
MW-1 (1/29/10)	0.0028	0.006	0.0201	0.0037	NS	ND
MW-1 (12/6/10)	ND	0.007	0.018	ND	NS	ND
MW-1 (5/18/11)	ND	ND	0.008	ND	ND	ND
MW-2 (1/29/10)	0.0578	0.0108	0.0468	0.0137	NS	ND
MW-2 (12/6/10)	0.350	0.089	0.400	0.085	NS	ND
MW-2 (5/18/11)	0.690	0.230	0.500	0.120	ND	0.026
MW-3 (1/29/10)	1.97	0.281	1.11	0.518	NS	0.0062
MW-3* (12/6/10)	NS	NS	NS	NS	NS	NS
MW-3 (5/18/11)	4.000	0.360	1.100	0.590	ND	0.11
MW-4 (1/29/11)	0.0073	0.0011	0.0029	0.0014	NS	ND
MW-4 (12/6/10)	0.022	ND	ND	ND	NS	ND
MW-4 (5/18/11)	ND	ND	ND	ND	ND	ND
MW-5 (4/22/10)	0.111	0.0045	ND	ND	NS	ND
MW-5 (12/6/10)	0.160	0.014	ND	ND	NS	ND
MW-5 (5/18/11)	0.160	0.020	0.008	ND	ND	ND
MW-6 (4/22/10)	0.0753	0.0051	0.0035	0.0025	NS	ND
MW-6 (12/6/10)	0.100	0.017	0.033	0.010	NS	ND
MW-6 (5/18/11)	0.067	0.006	0.008	ND	ND	ND
WF-1 (12/6/10)	0.130	0.270	1.100	0.170	NS	ND
WF-2 (12/6/10)	0.400	0.210	0.430	0.180	NS	ND
WF-3 (12/6/10)	1.000	0.310	1.300	0.650	NS	ND
PS-1 (5/18/11)	ND	ND	ND	ND	ND	ND
PS-2 (5/18/11)	ND	ND	ND	ND	ND	ND
SS	0.005	0.005	0.070	0.100	0.005	0.002

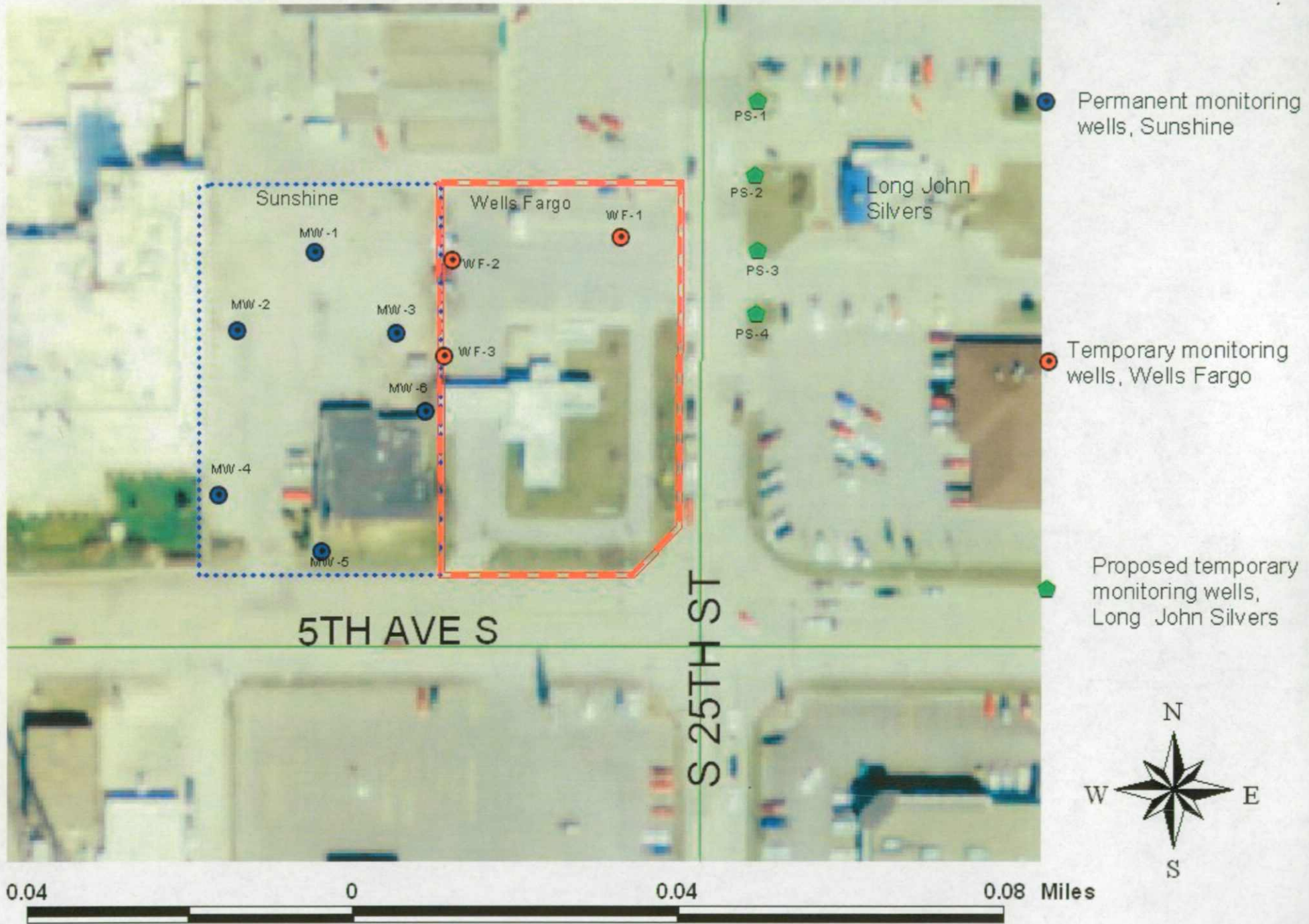
¹ Statewide Standard for Protected Groundwater

ND Compound not detected above detection limit

NS Not Sampled

MW-3* Monitoring well, MW-3, could not be located during the 12/6/2010 sampling event

Sample Locations, Sunshine Laundry, Fort Dodge






State Hygienic Laboratory

The University of Iowa

Date of report: 05-24-2011


 HYLTON JACKSON
 IDNR CONTAMINATED SITES
 502 EAST NINTH STREET

 DES MOINES IA 50319-0034

Sample Number	2011016353
Date Received	05-18-2011
Project	WMSF
Date Collected	05-18-2011 09:10
Collection Site	mw-1
Collection Town	
Description	water
Reference	SUNSHINE
Collector	JACKSON HYLTON
Phone	(515) 242-5084
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.

Preliminary Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit ug/L
Vinyl chloride	< 5	5
trans-1,2-Dichloroethene	< 5	5
cis-1,2-Dichloroethene	8	5
1,2-Dichloroethane	< 5	5
Trichloroethene	< 5	5
Tetrachloroethene	< 5	5

Date Analyzed: 05-19-2011 10:37

Analyzed at: Iowa City

Analyst: LL

Method: EPA 8260

Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

The results of this report relate only to the items analyzed. This report shall not be reproduced except in full without the written approval of the laboratory.

Iowa Environmental Laboratory IDs are: Ankeny #397, Iowa City #027, Lakeside #393.

If you have any questions please call Client Services at 800/421-IOWA (4692) or 319/335-4500. Thank you.



State Hygienic Laboratory

The University of Iowa

Date of report: 05-24-2011

HYLTON JACKSON
IDNR CONTAMINATED SITES
502 EAST NINTH STREET

DES MOINES IA 50319-0034

Sample Number 2011016354
Date Received 05-18-2011
Project WMSF
Date Collected 05-18-2011 09:25
Collection Site mw-2
Collection Town
Description water
Reference SUNSHINE
Collector JACKSON HYLTON
Phone (515) 242-5084
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.

Preliminary Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit ug/L
Vinyl chloride	26	5
trans-1,2-Dichloroethene	120	5
cis-1,2-Dichloroethene	500	50
1,2-Dichloroethane	< 5	5
Trichloroethene	230	50
Tetrachloroethene	690	50

Comments

The quantitation limit is adjusted for dilution.

Date Analyzed: 05-19-2011 11:10

Analyzed at: Iowa City

Analyst: LL

Method: EPA 8260

Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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The University of Iowa

Date of report: 05-24-2011


 HYLTON JACKSON
 IDNR CONTAMINATED SITES
 502 EAST NINTH STREET

 DES MOINES IA 50319-0034

Sample Number	2011016355
Date Received	05-18-2011
Project	WMSF
Date Collected	05-18-2011 10:15
Collection Site	mw-3
Collection Town	
Description	water
Reference	SUNSHINE
Collector	JACKSON HYLTON
Phone	(515) 242-5084
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.
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Preliminary Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit ug/L
Vinyl chloride	11	5
trans-1,2-Dichloroethene	590	120
cis-1,2-Dichloroethene	1100	120
1,2-Dichloroethane	< 5	5
Trichloroethene	360	120
Tetrachloroethene	4000	120

Comments	The quantitation limit is adjusted for dilution.	
Date Analyzed: 05-19-2011 12:50	Analyzed at: Iowa City	Analyst: LL
Method: EPA 8260		Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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State Hygienic Laboratory

The University of Iowa

Date of report: 05-24-2011

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HYLTON JACKSON
IDNR CONTAMINATED SITES
502 EAST NINTH STREET

DES MOINES IA 50319-0034

Sample Number 2011016356
Date Received 05-18-2011
Project WMSF
Date Collected 05-18-2011 09:35
Collection Site mw-4
Collection Town
Description water
Reference SUNSHINE
Collector JACKSON HYLTON
Phone (515) 242-5084
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.

Preliminary Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit ug/L
Vinyl chloride	< 5	5
1,2-Dichloroethane	< 5	5
Trichloroethene	< 5	5
cis-1,2-Dichloroethene	< 5	5
trans-1,2-Dichloroethene	< 5	5
Tetrachloroethene	< 5	5

Date Analyzed: 05-19-2011 16:19
Method: EPA 8260

Analyzed at: Iowa City

Analyst: LL
Verified: TC

Description of units used within this report
ug/L - Micrograms per Liter Quant Limit - Lowest concentration reliably measured

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State Hygienic Laboratory

The University of Iowa

Date of report: 05-24-2011


 HYLTON JACKSON
 IDNR CONTAMINATED SITES
 502 EAST NINTH STREET

 DES MOINES IA 50319-0034

Sample Number	2011016357
Date Received	05-18-2011
Project	WMSF
Date Collected	05-18-2011 09:45
Collection Site	mw-5
Collection Town	
Description	water
Reference	SUNSHINE
Collector	JACKSON HYLTON
Phone	(515) 242-5084
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.

Preliminary Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit ug/L
Vinyl chloride	< 5	5
trans-1,2-Dichloroethene	< 5	5
cis-1,2-Dichloroethene	8	5
1,2-Dichloroethane	< 5	5
Trichloroethene	20	5
Tetrachloroethene	160	10

Comments

The quantitation limit is adjusted for dilution.

Date Analyzed: 05-19-2011 15:13

Analyzed at: Iowa City

Analyst: LL

Method: EPA 8260

Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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The University of Iowa

Date of report: 05-24-2011


 HYLTON JACKSON
 IDNR CONTAMINATED SITES
 502 EAST NINTH STREET

 DES MOINES IA 50319-0034

Sample Number	2011016351
Date Received	05-18-2011
Project	WMSF
Date Collected	05-18-2011 08:30
Collection Site	ps-1
Collection Town	
Description	water
Reference	SUNSHINE
Collector	JACKSON HYLTON
Phone	(515) 242-5084
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.

Preliminary Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit ug/L
Vinyl chloride	< 5	5
1,2-Dichloroethane	< 5	5
Trichloroethene	< 5	5
cis-1,2-Dichloroethene	< 5	5
trans-1,2-Dichloroethene	< 5	5
Tetrachloroethene	< 5	5

Date Analyzed: 05-19-2011 09:30
Method: EPA 8260

Analyzed at: Iowa City

Analyst: LL
Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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State Hygienic Laboratory

The University of Iowa

Date of report: 05-24-2011

HYLTON JACKSON
IDNR CONTAMINATED SITES
502 EAST NINTH STREET

DES MOINES IA 50319-0034

Sample Number 2011016352
Date Received 05-18-2011
Project WMSF
Date Collected 05-18-2011 08:15
Collection Site ps-2
Collection Town
Description water
Reference SUNSHINE
Collector JACKSON HYLTON
Phone (515) 242-5084
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.

Preliminary Results of Analyses

GC/MS Volatiles

Analyte	Concentration ug/L	Quantitation Limit ug/L
Vinyl chloride	< 5	5
1,2-Dichloroethane	< 5	5
Trichloroethene	< 5	5
cis-1,2-Dichloroethene	< 5	5
trans-1,2-Dichloroethene	< 5	5
Tetrachloroethene	< 5	5

Date Analyzed: 05-19-2011 10:04
Method: EPA 8260

Analyzed at: Iowa City

Analyst: LL
Verified: TC

Description of units used within this report

ug/L - Micrograms per Liter

Quant Limit - Lowest concentration reliably measured

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