

From: Sybil Kolon
To: Gelman Information
Date: 12/8/2005 9:59:21 AM
Subject: Gelman - Periodic DEQ Update - Transmission Pipeline & one other item

Transmission Pipeline Update

The lining of the north horizontal well and connection to the other parts of the pipeline was completed on Tuesday afternoon. All of the water extracted from the Evergreen System is now being transported to the Pall Life Sciences (PLS) treatment system and the leaking pipeline is no longer in use.

Honey Creek Sampling

One other item I meant to send before is the results of sampling of the Honey Creek tributary by DEQ staff. These results are attached in a PDF document that requires Acrobat Reader to open. The results are summarized below. A map and the rest of this information will be included with the next information repository mailing, which should go out shortly.

There were five samples collected on October 26. The locations are described below, with the concentration of 1,4-dioxane in parentheses (please note that some of the "site codes" on the lab sheets show "55" and the sample number, rather than "SS"):

SS-1 (5 parts per billion) - immediately after the outfall (on PLS property, about half-way between Nancy Dr. & Aprill Dr.)

SS-2 (5 ppb) - about half-way between outfall & end of Aprill Drive

SS-3 (5 ppb) - at the end of Aprill Drive

SS-4 (7 ppb) - just east of Parkland Plaza

SS-5 (5 ppb) - just before HCT goes under Jackson Road.

Two samples of the outfall by PLS that day were both 4 ppb for 1,4-dioxane.

The DEQ results show non-detect for bromate. We were not aware that the method the DEQ lab uses (EPA 300.1) is for drinking water. This method may not detect low concentrations due to interference caused by constituents that are normally present in surface water. The PLS lab uses a preliminary step that removes these constituents before analysis. The two samples PLS analyzed that day had 6 and 7 ppb of bromate. These numbers are all within the NPDES permit limits.

Please contact me if you have any questions.

Sybil Kolon
Jackson District Office
Remediation and Redevelopment Division
Department of Environmental Quality
301 E. Louis Glick Hwy.
Jackson, MI 49201
phone: 517-780-7937
fax: 517-780-7855
e-mail: kolons@michigan.gov



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER LABORATORY**

USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-8184
FAX: (517) 335-8562

**Sample Number
LA50202**

Official Laboratory Report

Report To: SYBIL KOLON
301 E LOUIS GLICK
JACKSON MI 49201

System Name/Owner: SYBIL KOLON
Collection Address: PALL LIFE SCIENCES, SCIO TWP.
Collected By: JIM COGER
Township/Well#/Section: //
County: Washtenaw
Sample Point: TRIB - HONEY CREEK
Water System: Other

WSSN/Pool ID:
Source: Surface Water
Site Code: 554
Collector: MDEQ Staff other than DWRPD
Date Collected: 10/26/2005 15:00
Date Received: 10/27/2005 15:19
Purpose: Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Bromate	Not Detected	11/04/2005	0.005	0.01	EPA 300.1	15541-45-4
Bromide	Not Detected	11/04/2005	0.005		EPA 300.1	24959-67-9
Chlorate	Not Detected	11/04/2005	0.01		EPA 300.1	14866-68-3
Chlorite	Not Detected	11/04/2005	0.006	1.0	EPA 300.1	14998-27-7
1,4 Dioxane by GC/MS						
1,4 Dioxane	0.007	10/29/2005	0.001		MDEQ	123-91-1

The analyses performed by the MDEQ Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below:

**Washtenaw Co Dept. of Planning & Environment
705 N. Zeeb Road
Ann Arbor, MI 48107-8645
734 222-3800**

CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Sandy Kerns
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Krisztian
RL : Reporting Limit	CFU : Colony Forming Unit	



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**Sample Number
LA50203**

Official Laboratory Report

Report To: SYBIL KOLON
301 E LOUIS GLICK
JACKSON MI 49201

System Name/Owner: SYBIL KOLON
Collection Address: PALL LIFE SCIENCES, SCIO TWP.
Collected By: JIM COGER
Township/Well#/Section: //
County: Washtenaw
Sample Point: TRIB - HONEY CREEK
Water System: Other

WSSN/Pool ID:
Source: Surface Water
Site Code: 553
Collector: MDEQ Staff other than DWRPD
Date Collected: 10/26/2005 14:30
Date Received: 10/27/2005 15:19
Purpose: Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Bromate	Not Detected	11/04/2005	0.005	0.01	EPA 300.1	15541-45-4
Bromide	Not Detected	11/04/2005	0.005		EPA 300.1	24959-67-9
Chlorate	Not Detected	11/04/2005	0.01		EPA 300.1	14866-68-3
Chlorite	Not Detected	11/04/2005	0.006	1.0	EPA 300.1	14998-27-7
1,4 Dioxane by GC/MS						
1,4 Dioxane	0.005	10/29/2005	0.001		MDEQ	123-91-1

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CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Sandy Kerns
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Krisztian
RL : Reporting Limit	CFU : Colony Forming Unit	



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 FAX: (517) 335-8562

Sample Number
LA50204

Official Laboratory Report

Report To: SYBIL KOLON
 301 E LOUIS GLICK
 JACKSON MI 49201

System Name/Owner: SYBIL KOLON
 Collection Address: PALL LIFE SCIENCES, SCIO TWP.
 Collected By: JIM COGER
 Township/Well#/Section: //
 County: Washtenaw
 Sample Point: TRIB - HONEY CREEK
 Water System: Other

WSSN/Pool ID:
 Source: Surface Water
 Site Code: SS-2
 Collector: MDEQ Staff other than DWRPD
 Date Collected: 10/26/2005 14:15
 Date Received: 10/27/2005 15:19
 Purpose: Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Bromate	Not Detected	11/04/2005	0.005	0.01	EPA 300.1	15541-45-4
Bromide	Not Detected	11/04/2005	0.005		EPA 300.1	24959-67-9
Chlorate	Not Detected	11/04/2005	0.01		EPA 300.1	14866-68-3
Chlorite	Not Detected	11/04/2005	0.006	1.0	EPA 300.1	14998-27-7
1,4 Dioxane by GC/MS						
1,4 Dioxane	0.005	10/29/2005	0.001		MDEQ	123-91-1

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CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Sandy Kerns
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Krisztian
RL : Reporting Limit	CFU : Colony Forming Unit	



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**Sample Number
LA50205**

Official Laboratory Report

Report To: SYBIL KOLON
301 E LOUIS GLICK
JACKSON MI 49201

System Name/Owner:	SYBIL KOLON	WSSN/Pool ID:	
Collection Address:	PALL LIFE SCIENCES, SCIO TWP.	Source:	Surface Water
Collected By:	JIM COGER	Site Code:	555
Township/Well#/Section:	//	Collector:	MDEQ Staff other than DWRPD
County:	Washtenaw	Date Collected:	10/26/2005 15:15
Sample Point:	TRIB - HONEY CREEK	Date Received:	10/27/2005 15:19
Water System:	Other	Purpose:	Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Bromate	Not Detected	11/04/2005	0.005	0.01	EPA 300.1	15541-45-4
Bromide	Not Detected	11/04/2005	0.005		EPA 300.1	24959-67-9
Chlorate	Not Detected	11/04/2005	0.01		EPA 300.1	14866-68-3
Chlorite	Not Detected	11/04/2005	0.006	1.0	EPA 300.1	14998-27-7
1,4 Dioxane by GC/MS						
1,4 Dioxane	0.005	10/29/2005	0.001		MDEQ	123-91-1

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CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Sandy Kerns
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Krisztian
RL : Reporting Limit	CFU : Colony Forming Unit	



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TEL: (517) 335-8184
FAX: (517) 335-8562

**Sample Number
LA50206**

Official Laboratory Report

Report To: SYBIL KOLON
301 E LOUIS GLICK
JACKSON MI 49201

System Name/Owner: SYBIL KOLON
Collection Address: PALL LIFE SCIENCES, SCIO TWP.
Collected By: JIM COGER
Township/Well#/Section: //
County: Washtenaw
Sample Point: TRIB - HONEY CREEK
Water System: Other

WSSN/Pool ID:
Source: Surface Water
Site Code: 551
Collector: MDEQ Staff other than DWRPD
Date Collected: 10/26/2005 14:00
Date Received: 10/27/2005 15:19
Purpose: Routine Monitoring

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Bromate	Not Detected	11/04/2005	0.005	0.01	EPA 300.1	15541-45-4
Bromide	Not Detected	11/04/2005	0.005		EPA 300.1	24959-67-9
Chlorate	Not Detected	11/04/2005	0.01		EPA 300.1	14866-68-3
Chlorite	Not Detected	11/04/2005	0.006	1.0	EPA 300.1	14998-27-7
1,4 Dioxane by GC/MS						
1,4 Dioxane	0.005	10/29/2005	0.001		MDEQ	123-91-1

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MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Sandy Kerns
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Krisztian
RL : Reporting Limit	CFU : Colony Forming Unit	