

July 2, 2003

Mr. Tom Wentland  
Wisconsin Department of Natural Resources  
Plymouth Service Center  
1155 Pilgrim Road  
Plymouth, Wisconsin 53073

RE: Historic Fill Site Exemption Application  
275 East Brown Street, Milwaukee, Wisconsin – BRRTS #02-41-373881, FID #341065340  
301 East Brown Street, Milwaukee, Wisconsin – BRRTS #03-41-373872, FID #341065230  
STS Project No. 5-87185EA

Dear Mr. Wentland:

As a follow-up to our telephone conversation of June 19, 2003, we have at your request enclosed the results of two additional rounds of methane monitoring at the referenced properties. These surveys are intended to supplement the methane gas monitoring documented in the STS Consultants' Historic Fill Exemption Application dated May 7, 2003 for the referenced 275 East Brown Street property (owned by Brown Street II LLC), and 301 East Brown Street property (owned by Brown Street III LLC) in Milwaukee, Wisconsin.

The supplemental methane gas surveys were conducted on June 20 and 23, 2003. Methane gas monitoring was conducted at monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6 using a Landtec Model GA-90 instrument. These six wells are screened from 10 to 25 feet bgs, and the upper 6 to 10 feet of the well screens intersect the vadose zone. The Landtec Model GA-90 was calibrated with Landtec calibration gas to the following standards: methane – 50.0 percent, carbon dioxide – 35.0 percent, and oxygen – 20.9 percent (the oxygen value represents the ambient air concentration). Detected concentrations of methane, carbon dioxide and oxygen were recorded at each monitoring well at 30 second intervals for a total of 120 seconds after removal of the well caps. The results of the two methane gas surveys are provided on Table 1.

As shown on Table 1, monitoring wells MW-1 and MW-2 at the 301 East Brown Street property did not reveal any detectable methane concentrations for any of the 20 measurement readings (based on 5 readings per well per survey date). Monitoring well MW-3 at the 301 East Brown Street property did not reveal detectable methane at the initial monitoring reading (0 seconds) on both survey dates, and were followed by methane readings that ranged between 0 percent and a maximum reading of 3.1 percent at 30 seconds on June 20, 2003. However, the final readings for MW-3 (at 120 seconds) decreased to 0.3 percent on June 20 and 0 percent on June 23, 2003.

With two minor exceptions, monitoring wells MW-4 and MW-5 at the 275 East Brown Street property did not reveal detectable methane concentrations. Monitoring well MW-4 revealed 0.3 percent methane at the 30 second reading on June 20, and monitoring well MW-5 revealed 0.1 percent methane at the 120 second reading on June 23. Monitoring well MW-6 at the 275 East Brown Street property did not reveal detectable methane at the initial monitoring event (0 seconds) on both survey dates, and was followed by methane readings that generally ranged

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between 0 percent and 1.1 percent. A single maximum reading of 8.0 percent was measured at 60 seconds on June 20, 2003. However, none of the June 23 readings exceeded 1 percent and the final readings for MW-6 (at 120 seconds) decreased to 0.9 percent on June 20 and 0 percent on June 23, 2003.

We trust that the enclosed information adequately completes our Historic Fill Site Exemption application. If you have any questions, please feel free to contact us. Thank you very much for your assistance with this project.

Respectfully,

STS CONSULTANTS, LTD.

A handwritten signature in cursive script that reads 'Mark M. Mejac'.

Mark M. Mejac, P.G., CGWP  
Senior Hydrogeologist

A handwritten signature in cursive script that reads 'Dennis R. Lawton'.

Dennis R. Lawton, P.G.  
Associate Hydrogeologist

cc: Mr. Brian Columbus, Brown Street II and III LLC

Attachments



**Table 1**  
**Supplemental Methane Gas Survey**  
**275 and 301 East Brown Street**  
**Milwaukee, Wisconsin**

<b>MW-1</b>	<b>6/20/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	0.0%	5.7%	15.1%
	60 Seconds	0.0%	5.9%	15.1%
	90 Seconds	0.0%	6.0%	14.2%
	120 Seconds	0.0%	3.7%	17.9%
	<b>6/23/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	0.0%	6.3%	19.3%
	60 Seconds	0.0%	5.8%	17.8%
90 Seconds	0.0%	4.7%	18.1%	
120 Seconds	0.0%	3.9%	18.1%	
<b>MW-2</b>	<b>6/20/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	0.0%	3.7%	16.9%
	60 Seconds	0.0%	3.1%	15.2%
	90 Seconds	0.0%	4.3%	13.9%
	120 Seconds	0.0%	3.0%	13.2%
	<b>6/23/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	0.0%	4.1%	17.7%
	60 Seconds	0.0%	3.8%	16.9%
90 Seconds	0.0%	2.2%	16.1%	
120 Seconds	0.0%	2.0%	15.0%	
<b>MW-3</b>	<b>6/20/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	3.1%	3.7%	18.2%
	60 Seconds	2.5%	3.7%	16.3%
	90 Seconds	1.0%	4.1%	14.9%
	120 Seconds	0.3%	4.9%	15.2%
	<b>6/23/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	2.7%	4.9%	17.9%
	60 Seconds	2.4%	5.1%	16.3%
90 Seconds	0.3%	5.0%	15.7%	
120 Seconds	0.0%	4.7%	16.1%	
<b>MW-4</b>	<b>6/20/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	0.3%	4.4%	18.6%
	60 Seconds	0.0%	5.1%	17.8%
	90 Seconds	0.0%	4.1%	17.1%
	120 Seconds	0.0%	3.7%	15.7%
	<b>6/23/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	0.0%	7.8%	11.3%
	60 Seconds	0.0%	8.1%	12.1%
90 Seconds	0.0%	3.3%	13.7%	
120 Seconds	0.0%	4.1%	13.0%	

**Table 1  
Supplemental Methane Gas Survey  
275 and 301 East Brown Street  
Milwaukee, Wisconsin**

<b>MW-5</b>	<b>6/20/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.8%
	30 Seconds	0.0%	3.6%	13.3%
	60 Seconds	0.0%	2.0%	11.2%
	90 Seconds	0.0%	2.3%	11.8%
	120 Seconds	0.0%	3.1%	12.5%
	<b>6/23/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.8%
	30 Seconds	0.0%	9.8%	14.1%
	60 Seconds	0.0%	7.6%	15.7%
	90 Seconds	0.0%	6.2%	14.3%
120 Seconds	0.1%	5.1%	13.9%	
<b>MW-6</b>	<b>6/20/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	0.3%	4.6%	18.3%
	60 Seconds	8.0%	6.1%	17.7%
	90 Seconds	1.1%	5.3%	18.1%
	120 Seconds	0.9%	3.9%	19.3%
	<b>6/23/2003</b>	<b>Methane</b>	<b>Carbon Dioxide</b>	<b>Oxygen</b>
	0 Seconds	0.0%	0.0%	20.9%
	30 Seconds	1.0%	5.1%	18.9%
	60 Seconds	0.9%	4.7%	19.1%
	90 Seconds	0.0%	4.6%	16.8%
120 Seconds	0.0%	4.6%	17.1%	

... in reading of  
... the June 23 read  
... read to 0.0%