

BLUE MOTOR COACH PROPERTY UST FACT SHEET

Number of USTs	Three
Size of USTs	250 Waste Oil, 550 Gasoline, and 5,000 Diesel
Tank Registration Date	March 5, 1986 - Blue Motor Coach (Diesel only) January 3, 1990 - AMDC (Diesel only) April 17, 1990 - AMDC (all three tanks)
Site KY Identification Number	2789-056
Out of Service Date	April 18, 1990 - Waste Oil No Date Provided for Diesel & Gasoline Tanks
Removal Date	January 3, 1991 (according to CAR, no exact date provided)
Removal Contractor	OSCO, Nashville TN
CAR Date	April 4, 1991, signed by Humana Inc.
Environmental Consultants	<u>OSCO</u> - Tank Yank, CAR <u>ERCE</u> - Site Investigation (two episodes) <u>ERM</u> - CAP, Risk Assessment, Revised Risk Assessment <u>Virogroup</u> - Spot Remediation and Confirmatory Sampling
Site Activities	
Number of Soil Borings	<u>OSCO</u> - <u>ERCE</u> - <u>ERM</u> - <u>Virogroup</u> -
Number of Monitor Wells	Four
Number of Quarterly Sampling	
Current Status	

BLUE MOTOR COACH HISTORICAL ANALYTICAL DATA - SOIL

Company	Sample Number	Sample Depth	Sample Date	Parameter in mg/kg							
				B	T	E	X	Lead	NAP	cPAH ¹	nPAH ²
KY Allowable Levels	-	-	-	20	180	300	500	50	50	1	100
OSCO - Prior to UST Removal. Soils in which these samples were collected were removed as part of the UST excavations. (No Sample Locations)	Alley Street #4	-	08/22/90	ND	ND	ND	ND	ND	ND	ND	2.9
	Street #1	-	08/22/90	ND	5	ND	ND	13	ND	ND	0.41
	Pipe Trench	-	08/21/90	ND	ND	ND	ND	95	0.53	ND	6.3
	Vent Pipe	-	08/21/90	ND	ND	ND	ND	12	ND	ND	ND
	Gas #1	-	08/21/90	2.1	6.3	ND	7	6	NS	NS	NS
	Gas #2	-	08/21/90	3.3	10	ND	3	4	NS	NS	NS
	Gas #3	-	08/21/90	8.9	27	7.6	12	.24	NS	NS	NS
	Gas #4	-	08/21/90	5.2	16	3.1	8.5	6	NS	NS	NS
	Waste Oil - North Wall	-	01/09/91	NS	NS	NS	NS	617	NS	NS	NS
	Waste Oil - South Wall	-	01/09/91	NS	NS	NS	NS	331	NS	NS	NS
Waste Oil - East Wall	-	01/09/91	NS	NS	NS	NS	342	NS	NS	NS	
Waste Oil - West Wall	-	01/09/91	NS	NS	NS	NS	365	NS	NS	NS	
Waste Oil - Bottom	-	01/09/91	NS	NS	NS	NS	42.1	NS	NS	NS	
Background	-	01/09/91	ND	ND	ND	ND	27.9	ND	ND	ND	
Gas/Diescl Trench	-	01/09/91	ND	ND	ND	ND	NS	NS	ND	ND	
Diescl/Gas Pit - North Wall	-	01/09/91	ND	ND	ND	ND	NS	NS	ND	ND	

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Company	Sample Number	Sample Depth	Sample Date	Parameter in mg/kg							
				B	T	E	X	Lead	NAP	cPAH ¹	nPAH ²
KY Allowable Levels	-	-	-	20	180	300	500	50	50	1	100
	Diescl/Gas Pit - South Wall	-	01/09/91	ND	ND	ND	ND	NS	ND	ND	ND
OSCO - UST Pit Samples <i>(No Sample Locations)</i>	Diescl/Gas Pit - East Wall	-	01/09/91	ND	ND	ND	ND	NS	ND	ND	ND
	Diescl/Gas Pit - West Wall	-	01/09/91	ND	ND	ND	ND	NS	ND	ND	ND
	Diescl/Gas Pit - Bottom	-	01/09/91	ND	ND	ND	ND	NS	0.8	ND	ND
OSCO - Samples Outside UST Pits <i>(No Sample Locations)</i>	BWO-3	-	02/14/91	NS	NS	NS	NS	5.1	NS	NS	NS
	BWO-4	-	02/14/91	NS	NS	NS	NS	5.7	NS	NS	NS
	BWO-5	-	02/14/91	NS	NS	NS	NS	9.8	NS	NS	NS
	BWO-6	-	02/14/91	NS	NS	NS	NS	75	NS	NS	NS
	BWO-9	-	02/14/91	NS	NS	NS	NS	95	NS	NS	NS
	BWO-10	-	02/14/91	NS	NS	NS	NS	1.8	NS	NS	NS
ERCE - N&E Samples	SB-1	9-10.5'	04/29/91	NS	NS	NS	NS	6.3	NS	NS	NS
	SB-2 ³	14-15.5' 34-35.5'	04/29/91	NS	NS	NS	NS	5.2 1.7	NS	NS	NS
	SB-3 ⁴	24-25.5'	04/29/91	NS	NS	NS	NS	1.2	NS	NS	NS
	SB-4 ⁵	19.5-21' 34-36'	04/30/91	NS	NS	NS	NS	2.5 1.6	NS	NS	NS
	SB-5	29-30.5'	05/01/91	NS	NS	NS	NS	1.7	NS	NS	NS
	SB-6 ⁶	29.5-31'	05/01/91	NS	NS	NS	NS	1.3	NS	NS	NS

BLUE MOTOR COACH HISTORICAL ANALYTICAL DATA - SOIL

Company	Sample Number	Sample Depth	Sample Date	Parameter in mg/kg							
				B	T	E	X	Lead	NAP	cPAH ¹	mPAH ²
KY Allowable Levels	-	-	-	20	180	300	500	50	50	1	100
	SB-7	19.5-21'	05/02/91	NS	NS	NS	NS	NS	1.6	NS	NS
ERCE - N&E Samples	SB-8	29.5-31'	05/02/91	NS	NS	NS	NS	NS	1.4	NS	NS
	SB-9	24.5-26'	05/02/91	NS	NS	NS	NS	NS	0.6	NS	NS
	SB-10	19.5-21'	05/02/91	NS	NS	NS	NS	NS	4.2	NS	NS
	SB-11	19.5-21'	05/03/91	NS	NS	NS	NS	NS	1.9	NS	NS
	SB-12	29.5-31'	05/03/91	NS	NS	NS	NS	NS	2.0	NS	NS
	SB-13	Not Sampled	10/10/91	-	-	-	-	-	-	-	-
	SB-14	Not Sampled	10/10/91	-	-	-	-	-	-	-	-
	SB-15	Not Sampled	10/10/91	-	-	-	-	-	-	-	-
	SB-16	15-17' 25-27'	10/10/91	NS	NS	NS	NS	NS	6 4	NS	NS
	SB-17	15-17' 35-37'	10/10/91	NS	NS	NS	NS	NS	6 4	NS	NS
	SB-18	5-7' 35-37'	10/11/91	NS	NS	NS	NS	NS	10 3	NS	NS
	SB-19	15-17' 25-27'	10/11/91	NS	NS	NS	NS	NS	7 3	NS	NS
	SB-20	25-27' 35-37'	10/11/91	NS	NS	NS	NS	NS	1 2	NS	NS

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Company	Sample Number	Sample Depth	Sample Date	Parameter in mg/kg								
				B	T	E	X	Lead	NAP	cPAH ¹	nPAH ²	
KY Allowable Levels	-	-	-	20	180	300	500	50	50	50	1	100
	SB-21	15-17' 35-37'	10/11/91	NS	NS	NS	NS	2	4	NS	NS	NS
ERM - Grid Sampling of Surface Soils	S-1	Surface - Depth ?	03/09/93	ND	ND	ND	ND	340	ND	ND	ND	ND
	S-2	Surface - Depth ?	03/09/93	ND	ND	ND	ND	170	ND	ND	ND	ND
	S-3	Surface - Depth ?	03/09/93	ND	ND	ND	ND	78.5	ND	ND	ND	ND
	S-4	Surface - Depth ?	03/09/93	ND	ND	ND	ND	345	ND	ND	ND	ND
	S-5	Surface - Depth ?	03/09/93	ND	ND	ND	ND	767	ND	ND	1.5	ND
	S-6	Surface - Depth ?	03/09/93	ND	ND	ND	ND	597	ND	ND	ND	ND
	S-7	Surface - Depth ?	03/09/93	ND	ND	ND	ND	49	ND	ND	ND	ND
	S-8	Surface - Depth ?	03/09/93	ND	ND	ND	ND	377	ND	ND	ND	ND
	S-9	Surface - Depth ?	03/09/93	ND	ND	ND	ND	280	ND	ND	ND	ND
	S-10	Surface - Depth ?	03/09/93	ND	ND	ND	ND	266	ND	ND	ND	ND
	S-11	Surface - Depth ?	03/09/93	ND	ND	ND	ND	657	ND	ND	372	436
	S-12	Surface - Depth ?	03/09/93	ND	ND	ND	ND	607	ND	ND	ND	ND
	S-13	Surface - Depth ?	03/09/93	ND	ND	ND	ND	1190	ND	ND	ND	ND
	S-14	Surface - Depth ?	03/09/93	ND	ND	ND	ND	7280	ND	ND	ND	ND
	S-15	Surface - Depth ?	03/09/93	ND	ND	ND	ND	1080	ND	ND	2.2	ND

BLUE MOTOR COACH HISTORICAL ANALYTICAL DATA - SOIL

Company	Sample Number	Sample Depth	Sample Date	Parameter in mg/kg							
				B	T	E	X	Lcad	NAP	cPAH ¹	nPAH ²
KY Allowable Levels	-	-	-	20	180	300	500	50	50	1	100
	S-16	Surface - Depth ?	03/09/93	ND	ND	ND	ND	890	ND	1.8	ND
ERM - Grid Sampling of Surface Soils	S-17	Surface - Depth ?	03/09/93	ND	ND	ND	ND	297	ND	ND	ND
	S-18	Surface - Depth ?	03/09/93	ND	ND	ND	ND	1430	ND	ND	ND
	S-23	Surface - Depth ?	03/09/93	ND	ND	ND	ND	497	ND	ND	ND
	S-24	Surface - Depth ?	03/09/93	ND	ND	ND	ND	54.4	ND	ND	ND
	S-25	Surface - Depth ?	03/09/93	ND	ND	ND	ND	342	ND	ND	ND
	S-26	Surface - Depth ?	03/09/93	ND	ND	ND	ND	162	ND	ND	ND
	S-27	Surface - Depth ?	03/09/93	ND	ND	ND	ND	20.7	ND	ND	ND
	S-28	Surface - Depth ?	03/09/93	ND	ND	ND	ND	131	ND	ND	ND
	S-29	Surface - Depth ?	03/09/93	ND	ND	ND	ND	410	ND	ND	ND
	S-30	Surface - Depth ?	03/09/93	ND	ND	ND	ND	584	ND	ND	ND
ViroGroup - Confirmation Soil Samples	S-31	Surface - Depth ?	03/09/93	ND	ND	ND	ND	519	ND	ND	ND
	S-32	Surface - Depth ?	03/09/93	ND	ND	ND	ND	210	ND	ND	ND
	S-33	Surface - Depth ?	03/09/93	ND	ND	ND	ND	195	ND	ND	ND
	CS-1	Surface	04/10/96	NS	NS	NS	NS	16.2	NS	NS	NS
	CS-2	Surface	04/10/96	NS	NS	NS	NS	13.2	NS	NS	NS

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Company	Sample Number	Sample Depth	Sample Date	Parameter in mg/kg									
				B	T	E	X	Lcad	NAP	cPAH ¹	nPAH ²		
KY Allowable Levels	-	-	-	20	180	300	500	50	50	50	1	100	
	CS-3	Surface	04/10/96	NS	NS	NS	NS	NS	78.9	NS	NS	NS	
CS-1 through CS-10 are confirmation of samples S-16, S-15, S14, S-11, S-12, S-13, S-5, S-6, S-7, and S-18 respectively	CS-4	Surface	04/10/96	NS	NS	NS	NS	NS	10.7	NS	NS	NS	
	CS-5	Surface	04/10/96	NS	NS	NS	NS	NS	60.6	NS	NS	NS	
ViroGroup - Confirmation Soil Samples	CS-6	Surface	04/10/96	NS	NS	NS	NS	NS	159	NS	NS	NS	
	CS-7	Surface	04/10/96	NS	NS	NS	NS	NS	217	NS	NS	NS	
CS-1 through CS-10 are confirmation of samples S-16, S-15, S14, S-11, S-12, S-13, S-5, S-6, S-7, and S-18 respectively	CS-8	Surface	04/10/96	NS	NS	NS	NS	NS	431	NS	NS	NS	
	CS-9	Surface	04/10/96	NS	NS	NS	NS	NS	17.4	NS	NS	NS	
	CS-10	Surface	04/10/96	NS	NS	NS	NS	NS	108	NS	NS	NS	

- 1: cPAH - Carcinogen Polynuclear Aromatic Hydrocarbons: Includes Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, and Ideno(1,2,3-cd)pyrene. Samples results are a summation of these parameters. For individual parameter levels refer to the project file.
- 2: nPAH - Noncarcinogen Polynuclear Aromatic Hydrocarbon: Includes Acenaphthene, Acenaphthylene, Anthracene, Benzo(ghi)perylene, Fluoranthene, Flourene, Phenanthrene, and Pyrene. Samples results are a summation of these parameters. For individual parameter levels refer to the project file.
- 3: Upgraded into Monitor Well -1
- 4: Upgraded into Monitor Well -2
- 5: Upgraded into Monitor Well -3
- 6: Upgraded into Monitor Well -4

BLUE MOTOR COACH HISTORICAL ANALYTICAL DATA - Ground Water

Monitor Well	Sample Date	Parameter in mg/l				
		Lead	BTEX ¹	Naphthalene	cPAH ²	nPAH ³
KY Allowable Levels	-	0.05	22.2	0.3	0.005	3
MW-1	05/03/91	0.08	-	-	-	-
	10/11/91	0.2	-	-	-	-
	03/11/93	-	ND	ND	ND	ND
	06/28/96	ND	ND	ND	ND	ND
MW-2 <i>(Up gradient Well)</i>	05/03/91	0.11	-	-	-	-
	10/11/91	0.3	-	-	-	-
	03/11/93	-	ND	ND	ND	ND
	06/28/96	ND	ND	ND	ND	ND
MW-3	05/03/91	0.09	-	-	-	-
	10/11/91	0.3	-	-	-	-
	03/11/93	-	ND	ND	ND	ND
	06/28/96	ND	ND	ND	ND	ND
MW-4	05/06/91	ND	-	-	-	-
	10/14/91	0.3	-	-	-	-
	03/11/93	-	ND	0.411	ND	ND
	06/28/96	0.004	ND	ND	ND	ND

- 1: BTEX - Benzene (0.4), Toluene (9.4), Ethylbenzene (2.4), Xylene (10): Samples results are a summation of these parameters. For individual parameter levels refer to the project file.
- 2: cPAH - Carcinogen Polynuclear Aromatic Hydrocarbons: Includes Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, and Ideno(1,2,3-cd)pyrene. Samples results are a summation of these parameters. For individual parameter levels refer to the project file.
- 3: nPAH - Noncarcinogen Polynuclear Aromatic Hydrocarbon: Includes Acenaphthene, Acenaphthylene, Anthracene, Benzo(ghi)perylene, Fluoranthene, Flourene, Phenanthrene, and Pyrene. Samples results are a summation of these parameters. For individual parameter levels refer to the project file.

IDEAS TO EXPAND UPON

1. Subsurface lead levels are all below allowable residual levels of lead under UST regulations
2. Surface levels are above allowable residual levels of lead under UST regulations.
3. Interpolate lead levels versus soil depth and make a connection with different soil properties if possible.
4. Emphasize the successful nature of the remediation effort of the "hot spots"
5. The surface soil from the "hot spots" passed the TCLP test for lead but also for the other seven RCRA metals.
6. The tank pits have been adequately remediated by today's regulatory standards. The surface soils became an issue when KDEP directed the property owner to sample the surface soils. KDEP informed the property owner that in order for the Division to consider the owner's Risk Assessment, the owner would have to characterize the exposed surface soils at the site. The owner sampled and analyzed the exposed surface soils at site. The analyzes of the surface soil samples revealed elevated lead levels. Of particular note is that the elevated surface lead levels are not attributed to the past use of the three USTs. This conclusion can be arrived upon based on the following facts:
 - When the USTs were excavated, the tanks were discovered to be at a depth of eight feet. Any kind of release from these systems would have impact subsurface soils and not surface soils east of the tanks subsurface location.
 - The only plausible way a subsurface release from any of the USTs would have impacted the surface soils east of the BMC building would be for the site to exhibit a shallow ground water table that would have suspended any petroleum releases thereby smearing the soil at the ground water interface. In addition, the shallow ground water table would have to have a flow gradient to the east. Neither of these conditions are present at the site. Ground water has been historical gauged at 34' to 36.5' below ground surface at the site and the flow gradient has always been to the north towards the Ohio River.
 - Releases from filling the tanks, fleet vehicles, or pumping out the used oil tank would also not have impacted the surface soils to the east of the BMC building. The fill ports for the former gasoline and diesel tanks are located directly in front of the BMC building. An overfill in this location would have migrated onto the sidewalk outside the front of the building and into Madison Street. If the release was of a significant amount and the product proceeded eastward along Madison Street, the product would have been blocked from reentering the property by the sidewalk curb. The pumps used to fill the fleet vehicles were located inside the BMC building. Overfills from this activity would have followed the sloped floor to area catch basins inside the building. The cleanout for the used oil tank was also located inside the BMC building. Again, spills resulting from this activity would have flowed to the area catch basins in the building.

From these facts and an abundance of analytical data, the three USTs should be granted closure. However, the elevated surface soil lead levels need to be addressed further as a separate issue. We plan to manage in place the current lead levels based on the following activities that have been conducted at the subject property.

7. The remediation effort resulted in a significant reduction in surface lead levels. Based upon the confirmatory sampling, additional excavation would seem appropriate. However, excavating the lead

impacted soil is both expensive and not necessary in order to adequately protect human health and the environment. The former owner collected and commingled surface soil samples from the highest "hot spots" into one sample and submitted it for TCLP analysis. The TCLP analysis showed no quantitative levels of lead. The TCLP analysis along with an abundance of historical subsurface soil sample results support the claim that surface soil lead levels are not migrating to the subsurface and impacting ground water. If the TCLP analysis couldn't quantify any leachable lead levels under intense laboratory conditions, the environmental conditions of this region will not adversely effect the surface soil lead levels.

8. Paved parking lot that will be constructed under a health and safety plan and also adhere to a site management plan (i.e., continual parking lot maintenance). This type of site management plan is beneficial for the economic well being of the community and the Commonwealth. In addition, UofL has been a higher education entity for 200 years and there is every indication that UofL will be around for another 200 years. It is this kind of stability that strategically positions UofL to effectively manage and maintain a successful site management plan.

9. This site is no different than many other urban sites found throughout Jefferson County and the Commonwealth.

10. Show a progression of Figures that depict the sampling history. Have the final figure with Bold elevated surface levels.

11. Soil diagram - might show that elevated lead levels are associated with fill area and not native silty clays.

TO: Paul J. Jackson, Environmental Scientist, TTL Associates, Inc.
FROM: Susan L. Hamilton, Assistant Director, Louisville Metro Economic Development
Department
DATE: May 9, 2011

RE: Intergovernmental and Interagency Coordination of Environmental Planning
for the Department of Veterans Affairs (VA)

Mr. Jackson:

Please accept this e-mail as the Louisville Metro Economic Development Department's response to TTL Associates, Inc.'s request for environmental information pertaining to proposed construction and operation of a VA Medical Center (VAMC) in Louisville, KY.

The Economic Development Department assisted with the compilation of environmental reports for the City of Louisville's and the University of Louisville's joint response to the Request for Proposals for sites for the new VAMC. Included in the response was a spreadsheet and map representing results of an Environmental Data Resources Inc. (EDR) report dated April 19, 2010 on available environmental records pertaining to parcels associated with the proposed site. The parcel located at 614 E. Madison Street, once home to former Blue Motor Coach, is the subject of environmental action and is under a deed restriction. Appendix C of the response contains a Corrective Action Plan, a Risk Management Plan and an Underground Storage Tank fact sheet. In addition, seven properties within the proposed site are considered historic in nature. Included in the response is a letter from the local Historic Preservation Officer.

All documents are contained in the "Response to Department of Veterans Affairs, Louisville, KY- Veterans Hospital at the Medical Center, April 26, 2010." Because of the size of the response document, I will send the pertinent sections to you by mail on a CD.

Do not hesitate to call if I can be of further assistance.

Susan Hamilton

Susan L. Hamilton
Assistant Director
Louisville Metro Economic Development Department
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Louisville, KY 40202
(502) 574-2657
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**ECONOMIC DEVELOPMENT DEPARTMENT
LOUISVILLE, KENTUCKY**

GREG FISCHER
MAYOR

MARGARET A. HANDMAKER
DIRECTOR

May 11, 2011

Mr. Paul Jackson
TTL Associates, Inc.
44265 Plymouth Oaks Boulevard
Plymouth, MI 48170

Dear Mr. Jackson:

Please find enclosed a digital copy of Louisville Metro Economic Development Department's response to TTL Associates, Inc.'s request for environmental information pertaining to the proposed construction and operation of a VA Medical Center (VAMC) in Louisville, KY.

Feel free to contact me if I can be of further assistance.

Sincerely,

Susan L. Hamilton
Assistant Director

Enclosure

Mr. Jackson,
Thank you for checking in with us. However, Louisville Metro Economic Development Department does not have any further comments to submit.

Thank you, again,

Susan Hamilton
Assistant Director

From: Paul Jackson [mailto:pjacksonttl@charter.net]
Sent: Friday, May 13, 2011 10:35 AM
To: Hamilton, Susan; pjackson@tlassoc.com
Cc: Handmaker, Margaret A
Subject: RE: Environmental Planning/Proposed VA Medical Center

Ms. Hamiton:
Does the Louisville Metro Economic Development Department have any additional comments regarding the remaining four sites that were included in TTL's original inquiry?
Thanks,
Paul Jackson
TTL Associates, Inc.
44265 Plymouth Oaks Boulevard
Plymouth, Michigan 48170
Phone: 734-455-8600 ext. 1262
Fax: 734-455-8608

From: Hamilton, Susan [mailto:Susan.Hamilton@louisvilleky.gov]
Sent: Monday, May 09, 2011 5:55 PM
To: pjackson@tlassoc.com
Cc: Handmaker, Margaret A
Subject: Environmental Planning/Proposed VA Medical Center

TO: Paul J. Jackson, Environmental Scientist, TTL Associates, Inc.
FROM: Susan L. Hamilton, Assistant Director, Louisville Metro Economic Development Department
DATE: May 9, 2011

RE: Intergovernmental and Interagency Coordination of Environmental Planning for the Department of Veterans Affairs (VA)

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Susan Hamilton

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Mr. Jackson,
Thank you for checking in with us. However, Louisville Metro Economic Development Department does not have any further comments to submit.

Thank you, again,

Susan Hamilton
Assistant Director

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Subject: Environmental Planning/Proposed VA Medical Center

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*Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org*

April 29, 2011

Mr. David Winkler
Land Design and Development, Inc.
503 Washburn Avenue, Suite 10
Louisville, KY 40222

Re: Veterans Hospital

Dear Mr. Winkler,

MSD has reviewed your request for sanitary sewer and drainage system availability at several sites within Louisville Metro for the proposed Veterans Hospital. Below you will find a summary of our findings for each site.

5905 Fegenbush Lane

Our review of this site indicates that stormwater detention will only be needed if the existing system under Hurstbourne Parkway does not capacity for this site. If capacity is available, no detention will be required. Since this site is located within the Pond Creek Watershed, MSD will require that a increased runoff volume purchase be made at the Water Resources mitigation basin at a 1.5:1. This is a requirement in this watershed due to the severe flooding that takes place. The site will be subject to capacity and I and I fees. No dry weather sanitary capacity issues with this site.

601 East Broadway

This site is located in the combined sewer system. All stormwater connections to the system must be approved by MSD. Detention will be required. Design standards require that sites within the combined sewer system be allowed a single 6 inch stormwater connection to the system. This can be re-evaluated during construction plan review. No sanitary issues with this site. No sanitary fees.



*Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com*

4906 Brownsboro Road

Due to downstream flooding issues on the downstream side of Interstate 264, detention will be required for this site. Post developed flows must meet pre-existing flow rates or the capacity of the downstream system, whichever is more restrictive. Our analysis of the downstream sanitary sewer system indicates that the increased flow from this site will have negligible impacts to the sanitary system. The site will be subject to capacity and I and I fees.

13508 Factory Lane

Detention will be required for this site. Post developed flows must meet pre-existing flowrates or the capacity of the downstream system, whichever is more restrictive. Our analysis of the sanitary sewer system indicates that no surcharging occurs during dry weather. However, the Floyds Fork Treatment Plant is nearing capacity. MSD is currently working on a plan to expand the treatment plant, but that project has not begun. MSD anticipates the project to be completed in 2012. At that point, capacity at the treatment plant will no longer be an issue. The site will be subject to capacity and I and I fees.

13605 and 13615 Factory Lane

Due to severe downstream flooding, MSD will require detention on this site. Preferable the detention would be on-line with the existing stream coming thru the site. Impacts to the downstream system will need to be analyzed for post construction runoff impacts. Our analysis of the sanitary sewer system indicates that no surcharging occurs during dry weather. However, the Floyds Fork Treatment Plant is nearing capacity. MSD is currently working on a plan to expand the treatment plant, but that project has not begun. MSD anticipates the project to be completed in 2012. At that point, capacity at the treatment plant will no longer be an issue. The site will be subject to capacity and I and I fees.

If you have any questions about this matter, please feel free to call me at (502) 540-6392 or via e-mail at johnsodw@msdlouky.org.

Sincerely,



David W. Johnson, PE
Development Team Leader

Paul Jackson

From: David Johnson <johnsodw@msdlouky.org>
Sent: Monday, February 20, 2012 10:08 AM
To: pjackson@tlassoc.com
Subject: Re: E-mail from MSD's website

Paul,

First of all, the Floyds Fork plant is under expansion. Construction began several months ago and capacity will not be an issue for you. As for where you can connect, that depends on where you are at. The three properties you mentioned are very large and flow naturally to several points. There is a sanitary sewer that runs along factory lane on the north side and this will serve all of 13605 and 13615 and the northern most portion of 13508. You will still need to build sewer lines to connect. The southernmost portion of 13508 will be served via Terra Crossings. Hope this helps.

>>> <pjackson@tlassoc.com> 2/20/2012 9:47 AM >>>
This e-mail was generated on 2/20/2012 at 9:47:36 AM

Contact information for the requestor is:

First Name: Paul
Last Name: Jackson
Address:
Address:
City:
State:
Zip:
Phone: (231) 714-2918
Email: pjackson@tlassoc.com

Mr. Johnson:

Regarding the Proposed Department of Veterans Affairs Medical Center at 13508, 13605, and 13615 Factory Lane, you previously indicated in a letter dated April 29, 2011 that the Floyds Fork Treatment Plant would be expanded in 2012. I am confirming that these plans are still in progress. Also, I am trying to obtain specific information regarding the the location of sanitary sewer service for this property. Would sanitary sewer service be available from Old Henry Road? Extended via Terra Crossing Blvd. extension or Bush Farm Road extension?

Thanks,

Paul Jackson

TTL Associates, Inc.

On behalf of the Department of Veterans Affairs

** End of Message **



STEVEN L. BESHEAR
GOVERNOR

**TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY HERITAGE COUNCIL**

MARCHETA SPARROW
SECRETARY

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www.heritage.ky.gov

MARK DENNEN
EXECUTIVE DIRECTOR AND
STATE HISTORIC PRESERVATION OFFICER

April 25, 2011

TTL Associates, Inc.
44265 Plymouth Oaks Boulevard
Plymouth, Michigan 48170
ATTN: Paul J. Jackson, Environmental Scientist

**Re: Intergovernmental and Interagency Coordination of Environmental Planning
for the Department of Veterans Affairs (VA) Proposed VA Medical Center 25 or
More Acres on One of Five Potential Sites in Louisville, Jefferson County, Kentucky**

Dear Mr. Jackson:

The Kentucky Heritage Council, State Historic Preservation Office, has received for review and comment your request for environmental review regarding the above referenced site selection alternatives. Your letter, which was received by this office on April 19, 2011, identifies five potential site locations for a new VA Medical Center including the Brownsboro Site, the Fegenbush Site, the St. Joseph Site, the Downtown Site and the Existing (Robley Rex) VAMC Site. Your request that this office provide confirmation and concurrence that no historic properties, including prehistoric and historic resources potentially eligible for listing on the National Register, are present on the above referenced sites cannot be given. Each of the five sites proposed has the potential to contain prehistoric and/or historic resources that could be directly impacted by this undertaking, and the project type has the potential to cause indirect effects to historic properties outside of the parcels being considered as well.

It is recommended that the project team utilize qualified professionals to complete records reviews for each of the potential sites and assess the potential for archaeological resources and structures over 50 years of age that are on, or within proximity of each parcel. For instance, the existing Robley Rex VAMC facility opened on April 2, 1952 and is therefore potentially eligible for listing in the National Register itself. This would have to be assessed and, depending on the determination made, redevelopment of this site could constitute an adverse effect.

Despite our limited knowledge of the project, we are willing to posit that the Downtown Site is likely to have the greatest ancillary benefits to historic preservation generally. A relationship with the University of Louisville Hospital is likely to create enhanced vitality in the area, surface

parking lots and other underutilized properties will be replaced with higher density development, and investment in the urban core will be further encouraged.

That said, a full Section 106 consultation process will be required for any of the five sites chosen as the preferred. We look forward to working with you as plans mature and we encourage you to begin identifying other consulting parties to the process. If you have questions regarding these comments, please contact Craig Potts of my staff at (502) 564-7005, extension 123.

Sincerely,



Mark Dennen
Executive Director and
State Historic Preservation Officer

HISTORIC CONSULTANTS AVAILABLE FOR SECTION 106 ASSESSMENTS IN KENTUCKY

Note: Based upon information submitted to us, the Kentucky Heritage Council, the State Historic Preservation Office agrees that the institutions and firms listed below meet the minimum qualifications established by the Secretary of the Interior for professionalism in History, Historic Architecture, or Architectural History (Federal Register, Vol. 48, No. 190, Thursday, September 29, 1983, p 44739), are experienced in conducting surveys and evaluations of historic structures, and are qualified to carry out Section 106 assessment reports on federal undertakings in Kentucky. In addition, individuals with the special training and experience to carry out HABS (Historic American Building Survey) or HAER (Historic American Engineering Record) documentation are identified as "Qualified for HABS", "Qualified for HAER", or "Qualified for HABS and HAER". Inclusion on this list does not constitute a recommendation or endorsement of any institution, firm or individual by the Kentucky Heritage Council, and we are not responsible for the correctness of information supplied to us or the work performed.

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ARCHAEOLOGICAL CONSULTANTS AVAILABLE FOR CULTURAL RESOURCE ASSESSMENTS IN KENTUCKY

Note: Based upon information submitted to us, the Kentucky Heritage Council, State Historic Preservation Office agrees that the individuals representing the institutions and firms listed below meet the minimum qualifications established by the Secretary of the Interior for professionalism in Archaeology (Federal Register, Vol. 48, No. 190, Thursday, September 29, 1983, p 44739), are experienced in conducting surveys and evaluations of archaeological sites, and are qualified to carry out Section 106 assessments for federal or federally assisted undertakings in Kentucky. The list also includes one individual who does not meet the Secretary's Standards, but who is certified by the Register of Professional Archaeologists (RPA). Inclusion on this list does not constitute a recommendation or endorsement of any institution, firm or individual by the Kentucky Heritage Council or the correctness of information supplied to us, and we are not responsible for the work performed.

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3/30/2012

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