## OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

### ADDENDUM NO. 1

BID INVITATION NO. 4219
FURNISHING ALL SERVICE FOR REMOVAL, TRANSPORTATION, DISPOSAL AND TESTING OF SLAG LEACHATE WASTEWATER FROM ONE (1) LOCATION ALONG THE OHIO TURNPIKE

**OPENING DATE: EXTENDED TO** 2:00 P.M. (E.D.T.), APRIL 29 30, 2014

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 NOON, APRIL 25, 2014

Issued by the Ohio Turnpike and Infrastructure Commission April 25, 2014 Authorized by Richard Hodges, Executive Director, and Tommie Jo Marsilio, Director, Contracts Administration.

Richard Hodges

Date

Tommie Jo Marsilio

Date

# ANSWERS TO QUESTIONS RECEIVED THROUGH 12:00 NOON, APRIL 25, 2014:

Q#1	Do you	have	analytical,	profile	or MSDS	for this	material?	lf so,	could	you
	e send.			-				•		

A#1 The analytical data is attached.

# Q#2 Also, do you load this material onto the tanker or is a Vacuum Tanker required?

A#2 We do not load the material for transport. The bid is for Removal, Transport and Disposal.

# Receipt of Addendum No. 1, Invitation No. 4219 is hereby acknowledged:

(Firm Name)	
(Signature)	
(Printed Name)	
(Date)	

BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 1 WITH THEIR BID.

# **TESTING INFORMATION - LEACHATE**

Date         Location         FFH         Celcius         Oxygen mg/l         Londucirity         Sulfate         COD         BODs           12/10/2008         3         7.89         3.90         9.17         3.850         74.00         33.00         <5           3/2/2009         3         8.04         8.64         1.01         1.3300         19.00         48.00         <5           6/2/2009         3         7.95         1.725         11.08         2,800         180.00         21.00         11           6/2/2009         3         7.95         1.725         11.08         2,800         180.00         21.00         <5           8/31/2009         3         7.95         1.724         11.59         2,800         180.00         21.00         <5           8/31/2009         3         7.95         1.724         11.59         2,800         180.00         <5         <5           8/18/2010         3         7.95         1.724         11.59         2,300         15.00         <5         <5           8/18/2010         3         8.73         48.94         14.55         4.810         44.50         <10         <5           8/18/2011				Site T	esting			Lab Testing	
Location         Piff         Celcins         Oxygen mg/l         m.Ntho/cm         mg/l         mg/l           3         7.89         3.90         9.17         3.850         74.00         33.00           3         7.89         8.64         11.01         12,300         193.00         48.00           3         7.31         20.88         5.07         4,320         173.00         16.60           3         7.35         17.25         11.08         2.800         180.00         21.00           3         7.54         7.24         11.59         2.800         180.00         51.00           3         7.54         7.24         11.59         2,300         150.00         56.10           3         7.54         7.24         11.59         2,300         150.00         51.0           3         7.93         23.12         4.810         445.90         15.10           3         8.25         8.16         17.60         1,470         349.10         44.00           3         8.25         8.16         17.60         1,470         349.10         15.10           3         8.25         8.16         17.60         1,470				Temperature	Dissolved	Conductivity	Sulfate	COD	BODs
3         7.89         3.90         9.17         3,850         74,00         33.00           3         8.04         8.64         11.01         12,300         193.00         48.00           3         7.31         20.88         5.07         4,320         173.00         16.60           3         7.95         17.25         11.08         2,800         180.00         21.00           3         7.94         17.24         11.59         2,210         162.50         <5           3         7.95         17.76         5.80         2,200         160.0         <10           3         7.95         17.76         5.80         2,200         47.80         <10           3         8.73         48.94         14.55         48.10         44.00         <10           3         8.73         8.16         17.60         1,470         349.10         44.00           3         8.25         8.16         17.60         1,470         349.10         44.00           3         8.25         8.16         17.60         1,470         349.10         44.00           3         8.25         8.16         11.65         1,440 <td< th=""><th>Date</th><th>Location</th><th>PH.</th><th>Celcius</th><th>Oxygen mg/l</th><th>uMho/cm</th><th>mg/l</th><th>J/SIII</th><th>lgm //</th></td<>	Date	Location	PH.	Celcius	Oxygen mg/l	uMho/cm	mg/l	J/SIII	lgm //
3         8.04         8.64         11.01         12,300         193.00         48.00           3         7.31         20.88         5.07         4,320         173.00         16.60           3         7.95         17.25         11.08         2,800         180.00         21.00           3         8.21         8.71         12.13         2,210         162.50         <5	12/10/2008	3	7.89	3.90	9.17	3,850	74.00	33.00	\$
3         7.31         20.88         5.07         4,320         173.00         16.60           3         8.21         8.71         11.08         2,800         180.00         21.00           3         8.21         8.71         12.13         2,210         16.50         <5	3/24/2009	m	8.04	8.64	11.01	12,300	193.00	48.00	<5
3         7.95         17.25         11.08         2,800         180.00         21.00           3         8.21         8.71         12.13         2,210         162.50         <5	6/22/2009	3	7.31	20.88	5.07	4,320	173.00	16.60	\$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	8/31/2009	3	7.95	17.25	11.08	2,800	180.00	21.00	11
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	12/2/2009	3	8.21	8.71	12.13	2,210	162.50	\$	\$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3/9/2010	3	7.54	7.24	11.59	2,060	56.10	37.20	\$
3         7.93         23.12         4.87         8,600         47.80         <10           3         8.73         48.94         14.55         4,810         445.90         15.10           3         8.25         8.16         17.60         1,470         349.10         44.00           3         8.46         21.58         7.71         3,960         219.90         33.00           3         8.46         21.58         7.71         3,960         219.90         33.00           3         6.94         12.80         11.65         1,440         65.80         19.10           3         8.24         11.09         10.21         7,120         42.50         29.40           3         8.24         11.09         10.21         7,120         42.50         29.40           3         9.20         18.07         18.28         9,310         137.70         20.40           3         9.07         5.87         22.21         1,250         48.20         21.70           3         9.15         19.20         20.30         7,120         27.00         28.00           3         9.15         2.75         24.51         6,470	6/18/2010	3	7.95	17.76	5.80	2,300	150.00	<10	\$
3         8.73         48.94         14.55         4,810         445.90         15.10           3         8.25         8.16         17.60         1,470         349.10         44.00         15.10           3         8.46         21.58         7.71         3,960         219.90         33.00         13.00           3         8.46         21.58         7.71         3,960         219.90         33.00         13.00           3         6.94         12.80         11.65         1,440         65.80         19.10         19.10           3         8.24         11.09         10.21         7,120         42.50         29.40         19.10           3         9.20         18.07         18.28         9,310         137.70         20.40         20.40           3         9.07         5.87         22.21         1,250         48.20         21.70         20.40           3         9.01         2.75         24.51         6,470         110.00         28.00           3         9.15         19.20         20.30         7,120         120.00         17.00         28.00           3         9.28         18.21         22.30	8/31/2010	3	7.93	23.12	4.87	8,600	47.80	<10	\$
3         8.25         8.16         17.60         1,470         349.10         44.00           3         8.46         21.58         7.71         3,960         219.90         33.00           3         8.46         21.58         7.71         3,960         219.90         33.00           3         6.94         12.80         11.65         1,440         65.80         19.10           3         8.24         11.09         10.21         7,120         42.50         29.40           3         9.20         18.07         18.28         9,310         137.70         20.40           3         9.07         5.87         22.21         1,250         48.20         21.70           3         9.01         2.75         24.51         6,470         110.00         5.80           3         9.15         19.20         20.30         7,120         120.00         5.80           3         9.15         19.20         20.30         7,120         120.00         5.80           3         9.15         19.20         20.30         7,120         120.00         17.00           3         9.18         18.21         9,410         270.00	12/3/2010	3	8.73	48.94	14.55	4,810	445.90	15.10	\$
3         8.46         21.58         7.71         3,960         219.90         33.00           3         7.92         23.13         4.82         8,410         136.10         36.40         76.40           3         6.94         12.80         11.65         1,440         65.80         19.10         19.10           3         8.24         11.09         10.21         7,120         42.50         29.40         29.40           3         9.20         18.07         18.28         9,310         137.70         20.40         20.40           3         9.07         5.87         22.21         1,250         48.20         20.40         20.40           3         9.01         2.75         24.51         6,470         110.00         28.00         28.00           3         9.15         19.20         20.30         7,120         120.00         5.80         29.41           3         9.28         18.21         22.30         12.00         17.00         17.00           3         9.18         18.21         22.30         12.00         17.00         17.00	3/15/2011	3	8.25	8.16	17.60	1,470	349.10	44.00	\$
3         7.92         23.13         4.82         8,410         136.10         36.40         36.40           3         6.94         12.80         11.65         1,440         65.80         19.10         19.10           3         8.24         11.09         10.21         7,120         42.50         29.40         29.40           3         9.20         18.07         18.28         9,310         137.70         20.40         20.40           3         9.07         5.87         22.21         1,250         48.20         21.70         21.70           3         9.01         2.75         24.51         6,470         110.00         28.00         28.00           3         9.15         19.20         20.30         7,120         120.00         5.80         29.41           3         9.28         18.21         18.25         9,410         270.00         17.00         17.00           3         9.10         5.73         22.30         1,260         170.00         17.00         17.00	6/20/2011	3	8.46	21.58	7.71	3,960	219.90	33.00	\$
3         6.94         12.80         11.65         1,440         65.80         19.10         19.10           3         8.24         11.09         10.21         7,120         42.50         29.40           3         9.20         18.07         18.28         9,310         137.70         20.40           3         9.07         5.87         22.21         1,250         48.20         21.70           3         9.01         2.75         24.51         6,470         110.00         28.00           3         9.15         19.20         20.30         7,120         120.00         5.80           3         9.28         18.21         18.25         9,410         270.00         17.00           3         9.28         18.21         18.25         9,410         270.00         17.00	9/14/2011	3	7.92	23.13	4.82	8,410	136.10	36.40	44
3         8.24         11.09         10.21         7,120         42.50         29.40           3         9.20         18.07         18.28         9,310         137.70         20.40           3         9.07         5.87         22.21         1,250         48.20         21.70           3         9.01         2.75         24.51         6,470         110.00         28.00           3         9.15         19.20         20.30         7,120         120.00         5.80           3         9.28         18.21         18.25         9,410         270.00         17.00           3         9.10         5.73         22.30         1,260         120.00         17.00	12/2/2011	3	6.94	12.80	11.65	1,440	65.80	19.10	ND
3         There was no water in the ditchline at the time of sampling. No readings/sample obtained.           3         9.20         18.07         18.28         9,310         137.70         20.40         20.40           3         9.07         5.87         22.21         1,250         48.20         21.70         21.70           3         9.01         2.75         24.51         6,470         110.00         28.00         28.00           3         9.15         19.20         20.30         7,120         120.00         5.80         25.80           3         9.28         18.21         18.25         9,410         270.00         17.00         17.00           3         9.10         5.73         22.30         1,260         120.00         17.00         17.00	3/16/2012	3	8.24	11.09	10.21	7,120	42.50	29.40	10
3         9.20         18.07         18.28         9,310         137.70         20.40         20.40           3         9.07         5.87         22.21         1,250         48.20         21.70         20.1.70           3         9.01         2.75         24.51         6,470         110.00         28.00         28.00           3         9.15         19.20         20.30         7,120         120.00         5.80         17.00           3         9.28         18.21         18.25         9,410         270.00         17.00         17.00           3         9.10         5.73         22.30         1,260         120.00         17.00         17.00	6/15/2012	3		There was no wat	er in the ditchline	at the time of samp	ling. No readings	/sample obtained.	
3         9.07         5.87         22.21         1,250         48.20         21.70           3         9.01         2.75         24.51         6,470         110.00         28.00           3         9.15         19.20         20.30         7,120         120.00         5.80           3         9.28         18.21         18.25         9,410         270.00         17.00           3         9.10         5.73         22.30         1,260         120.00         17.00	9/17/2012	3	9.20	18.07	18.28	9,310	137.70	20.40	ND
3         9.01         2.75         24.51         6,470         110.00         28.00           3         9.15         19.20         20.30         7,120         120.00         5.80           3         9.28         18.21         18.25         9,410         270.00         17.00           3         9.10         5.73         22.30         1,260         120.00         17.00	11/16/2012	3	9.07	5.87	22.21	1,250	48.20	21.70	ND
3         9.15         19.20         20.30         7,120         120.00         5.80           3         9.28         18.21         18.25         9,410         270.00         17.00           3         9.10         5.73         22.30         1,260         120.00         17.00	3/13/2013	3	9.01	2.75	24.51	6,470	110.00	28.00	ND
3         9.28         18.21         18.25         9,410         270.00         17.00           3         9.10         5.73         22.30         1,260         120.00         17.00	5/31/2013	æ	9.15	19.20	20.30	7,120	120.00	5.80	22
3 9.10 5.73 22.30 1,260 120.00 17.00	8/9/2013	3	9.28	18.21	18.25	9,410	270.00	17.00	<5.0
	11/15/2013	3	9.10	5.73	22.30	1,260	120.00	17.00	5.8