



OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

ADDENDUM NO. 1

**BID INVITATION NO. 4268
FURNISHING REMOVAL, TRANSPORT, AND DISPOSAL OF WASTEWATER SLUDGE &
FLOOR DRAIN/STORM WATER TREATMENT WASTE**

OPENING DATE:
2:00 P.M. (EASTERN TIME), APRIL 18, 2016

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 4:00 PM ON APRIL 8, 2016

ANSWERS TO QUESTIONS RECEIVED THROUGH 4:00P.M., APRIL 8, 2016:

Q#1 Who has the current contract for this service and at what pricing?

A#1 Adkins Sanitation currently performs the services under Items 1 and 3, and SWS Environmental performs the services described in Item 2. The Commission does not have a current contract for Items 4, 5, 6 and 7. With respect to pricing on Items 1 and 2, the Commission has altered the basis for payment for services included in the unit costs under this invitation to bid. Other than Item 3, the disposal fees are no longer included in the unit cost, and will be reimbursed on an actual cost basis instead (except for Item 3). Also, the Commission has changed the unit basis for Item 2 to a per hour rate for on-site time with a four hour minimum, rather than a per gallon rate. Additionally, Item 2 will also have the disposal fees reimbursed on an actual cost basis. See Specifications on pages 7a and 7b. Therefore, the current pricing is not representative of the current invitation to bid's structure, and providing the costs would only serve to confuse incomparable contracts.

Q#2 Could you please send me a copy of last year's bid for waste water removal on the Ohio Turnpike described in bid number 4268?

A#2 See the response to Q#1.

Q#3 I have a few additional items below that I was hoping you could provide assistance for results of last contract, copy of last contract, copy of the Bidders List (New and Previous - if available)?

A#3 See the response to Q#1.

Q#4 Please provide any Wastewater Treatment Sludge Analysis.

A#4 Please see the attached Monthly Operating report for February 2016.

**Receipt of Addendum No. 1
Invitation No. 4268 is hereby acknowledged:**

(Firm Name) _____

(Signature) _____

(Printed Name) _____

(Date) _____

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

Submission ID: 566304

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:
FACILITY: Erie Islands WWTP
LOCATION: 1012 N Co Rd 260
 Clyde, OH 43410
COUNTY: Sandusky
DISTRICT: NWDO

STATUS: Draft
PERMIT NUMBER: 2PQ00001*HD
STATION CODE: 001
MONITORING PERIOD : 2016-02-01 To: 2016-02-29
REPORTING LAB: Erie Islands
ANALYST: Barney Smith
NO DISCHARGE INDICATOR:

PARAMETER	Water Temperature	Dissolved Oxygen	pH	Flow Rate	Total Suspended Solids	CBOD 5 day	Nitrogen, Ammonia (NH3)
PARAMETER CODE	00010	00300	00400	50050	00530	80082	00610
UNITS	C	mg/l	S.U.	MGD	mg/l	mg/l	mg/l
FREQUENCY	1/Day	1/Day	1/Day	1/Day	2/Week	2/Week	1 / 2 Weeks
SAMPLING TYPE	Grab	Grab	Grab	Continuous	24hr Composite	24hr Composite	24hr Composite
2016-02-01	9.9 ✓	8.89 ✓	7.98 ✓	0.0172 ✓			
2016-02-02	10.3 ✓	8.56 ✓	8.25 ✓	0.0169 ✓	✓ 6	5 ✓	0.26 ✓
2016-02-03	9.7 ✓	8.48 ✓	8.15 ✓	0.0189 ✓			
2016-02-04	11.4 ✓	8.23 ✓	8.29 ✓	0.0199 ✓	✓ 7	12 ✓	
2016-02-05	11 ✓	8.18 ✓	8.15 ✓	0.0207 ✓			
2016-02-06	10.3 ✓	7.14 ✓	8.18 ✓	0.0188 ✓			
2016-02-07	10.9 ✓	8.15 ✓	8.15 ✓	0.0185 ✓			
2016-02-08	11.7 ✓	7.45 ✓	8.3 ✓	0.0167 ✓			
2016-02-09	10.1 ✓	7.51 ✓	8.26 ✓	0.0183 ✓	✓ 9	9 ✓	
2016-02-10	10.1 ✓	7.89 ✓	8.23 ✓	0.0166 ✓			
2016-02-11	7.9 ✓	8.91 ✓	8.31 ✓	0.0171 ✓	✓ 9	11 ✓	
2016-02-12	7.8 ✓	8.61 ✓	8.25 ✓	0.021 ✓			
2016-02-13	7.6 ✓	8.98 ✓	8.15 ✓	0.0195 ✓			
2016-02-14	7.6 ✓	8.51 ✓	8.1 ✓	0.0195 ✓			
2016-02-15	7.5 ✓	8.62 ✓	8.14 ✓	0.0198 ✓			
2016-02-16	8.2 ✓	8.85 ✓	8.13 ✓	0.0175 ✓			
2016-02-17	7.8 ✓	9.27 ✓	8.2 ✓	0.0192 ✓	✓ 8	3 ✓	1.77 ✓
2016-02-18	8.8 ✓	10.07 ✓	8.4 ✓	0.0227 ✓			
2016-02-19	9.2 ✓	9.82 ✓	8.39 ✓	0.0332 ✓	✓ 7	9 ✓	
2016-02-20	10.6 ✓	9.28 ✓	8.21 ✓	0.0232 ✓			
2016-02-21	10.9 ✓	8.91 ✓	8.16 ✓	0.0314 ✓			
2016-02-22	10.8 ✓	9.82 ✓	8.1 ✓	0.0292 ✓			
2016-02-23	10.3 ✓	9.77 ✓	8.12 ✓	0.0301 ✓	✓ 6	6 ✓	
2016-02-24	10.3 ✓	9.02 ✓	8 ✓	0.0309 ✓			
2016-02-25	9.7 ✓	10.72 ✓	8.2 ✓	0.0292 ✓	✓ 4	4 ✓	
2016-02-26	10 ✓	10.21 ✓	8.12 ✓	0.0326 ✓			
2016-02-27	10.5 ✓	10.78 ✓	8.04 ✓	0.0319 ✓			
2016-02-28	11.2 ✓	9.25 ✓	8.1 ✓	0.0325 ✓			
2016-02-29	11.6 ✓	9.26 ✓	8.06 ✓	0.0256 ✓			
Minimum	7.5	7.14	7.98	0.0166	4.0	1.0	0.26
Maximum	11.7	10.78	8.4	0.0332	9.0	12.0	1.77
Average	9.78276	8.93586		0.02306	7	6.125	1.015
Count	29	29	29	29	8	8	2

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	Signature of Responsible Official or Authorized Representative	Submission Date/Time

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:

FACILITY: Erie Islands WWTP
LOCATION: 1012 N Co Rd 260
 Clyde, OH 43410
COUNTY: Sandusky
DISTRICT: NWDO

STATUS:

Draft

PERMIT NUMBER:
2PQ00001*HD
STATION CODE:

001

MONITORING PERIOD :
2016-02-01 To: 2016-02-29
REPORTING LAB:

Erie Islands

ANALYST:

Barney Smith

NO DISCHARGE INDICATOR:

PARAMETER	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Residue, Total Filterable			
PARAMETER CODE	00625	00630	00665	70300			
UNITS	mg/l	mg/l	mg/l	mg/l			
FREQUENCY	1/Month	1/Month	1/Month	1/Month			
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Composite	24hr Composite			
2016-02-01							
2016-02-02	AA 0.50 ✓	82.3 ✓	5.03 ✓	1301 ✓			
2016-02-03							
2016-02-04							
2016-02-05							
2016-02-06							
2016-02-07							
2016-02-08							
2016-02-09							
2016-02-10							
2016-02-11							
2016-02-12							
2016-02-13							
2016-02-14							
2016-02-15							
2016-02-16							
2016-02-17							
2016-02-18							
2016-02-19							
2016-02-20							
2016-02-21							
2016-02-22							
2016-02-23							
2016-02-24							
2016-02-25							
2016-02-26							
2016-02-27							
2016-02-28							
2016-02-29							
Minimum	0.0	82.3	5.03	1301.0			
Maximum	0.0	82.3	5.03	1301.0			
Average	0	82.3	5.03	1301			
Count	1	1	1	1			
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative		Submission Date/Time	

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:
FACILITY: Erie Islands WWTP
LOCATION: 1012 N Co Rd 260
 Clyde, OH 43410
COUNTY: Sandusky
DISTRICT: NWDO

STATUS: Draft
PERMIT NUMBER: 2PQ00001*HD
STATION CODE: 601
MONITORING PERIOD : 2016-02-01 To: 2016-02-29
REPORTING LAB: Erie Islands
ANALYST: Barney Smith
NO DISCHARGE INDICATOR:

PARAMETER	Total Suspended Solids	CBOD 5 day				
PARAMETER CODE	00530	80082				
UNITS	mg/l	mg/l				
FREQUENCY	1/Week	1/Week				
SAMPLING TYPE	24hr Composite	24hr Composite				
2016-02-01						
2016-02-02	160 ✓	326 ✓				
2016-02-03						
2016-02-04						
2016-02-05						
2016-02-06						
2016-02-07						
2016-02-08						
2016-02-09	276 ✓	347 ✓				
2016-02-10						
2016-02-11						
2016-02-12						
2016-02-13						
2016-02-14						
2016-02-15						
2016-02-16						
2016-02-17	212 ✓	569 ✓				
2016-02-18						
2016-02-19						
2016-02-20						
2016-02-21						
2016-02-22						
2016-02-23	260 ✓	292 ✓				
2016-02-24						
2016-02-25						
2016-02-26						
2016-02-27						
2016-02-28						
2016-02-29						
Minimum	160.0	292.0				
Maximum	276.0	569.0				
Average	227	383.5				
Count	4	4				
Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			Signature of Responsible Official or Authorized Representative		Submission Date/Time

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Erie Islands WWTP
LOCATION: 1012 N Co Rd 260
Clyde, OH 43410

PERMIT NUMBER: **2PQ00001*HD**
MONITORING PERIOD : 2016-02-01 To: 2016-02-29

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
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Erie Islands - February 2016

Discharge Monitoring Report (DMR)

Station 001 - Final Effluent

2/1/2016		00010	00300	00400	00530	00610
Day		Water Temperature - C	Dissolved Oxygen - mg/l	pH - S.U.	Total Suspended Solids - mg/l	Nitrogen, Ammonia (NH3) - mg/l
1	Mon	X 9.9	X 8.89	X 7.98		
2	Tue	X 10.3	X 8.56	X 8.23	X 6	X .26
3	Wed	X 9.7	X 8.48	X 8.15		
4	Thu	X 11.4	X 8.23	X 8.29	X 7	
5	Fri	X 11.0	X 8.18	X 8.15		
6	Sat	X 10.3	X 7.14	X 8.18		
7	Sun	X 10.9	X 8.15	X 8.15		
8	Mon	X 11.7	X 7.45	X 8.3		
9	Tue	X 10.1	X 7.51	X 8.26	X 9	
10	Wed	X 10.1	X 7.89	X 8.23		
11	Thu	X 7.9	X 8.91	X 8.31	X 9	
12	Fri	X 7.8	X 8.61	X 8.25		
13	Sat	X 7.6	X 8.98	X 8.15		
14	Sun	X 7.6	X 8.51	X 8.10		
15	Mon	X 7.5	X 8.62	X 8.14		
16	Tue	X 8.2	X 8.85	X 8.13		
17	Wed	X 7.8	X 9.27	X 8.20	X 8	X 1.77
18	Thu	X 8.8	X 10.07	X 8.40	X	
19	Fri	X 9.2	X 9.82	X 8.39	X 7	
20	Sat	X 10.0	X 9.28	X 8.21		
21	Sun	X 10.9	X 8.91	X 8.16		
22	Mon	X 10.8	X 9.82	X 8.10		
23	Tue	X 10.3	X 9.77	X 8.12	X 6	
24	Wed	X 10.3	X 9.02	X 8.00		
25	Thu	X 9.7	X 10.72	X 8.20	X 4	
26	Fri	X 10.0	X 10.21	X 8.12		
27	Sat	X 10.5	X 10.78	X 8.04		
28	Sun	X 11.2	X 9.25	X 8.10		

29 Mon 11.6 9.26 8.06

Sludge Removal		
Date Removed	Gallons removed	Percent Solids
2-10-16	16,000	2.1%

1.4 Dry TONS

16,000 Gall To Sandusky W W T P

Erie Islands - February 2016
Discharge Monitoring Report (DMR)
Station 001 - Final Effluent

2/1/2016	00625	00630	00665	50050	70300	
Day	Nitrogen Kjeldahl, Total - mg/l	Nitrite Plus Nitrate, Total - mg/l	Phosphorus, Total (P) - mg/l	Flow Rate - MGD	Residue, Total Filterable - mg/l	
1	Mon			X .0172		
2	Tue	X <0.50	X 82.3	X 5.03	X .0169	X 1,301
3	Wed			X .0189		
4	Thu			X .0199		
5	Fri			X .0207		
6	Sat			X .0188		
7	Sun			X .0185		
8	Mon			X .0167		
9	Tue			X .0183		
10	Wed			X .0166		
11	Thu			X .0171		
12	Fri			X .0210		
13	Sat			X .0195		
14	Sun			X .0195		
15	Mon			X .0198		
16	Tue			X .0175		
17	Wed			X .0192		
18	Thu			X .0227		
19	Fri			X .0332		
20	Sat			X .0232		
21	Sun			X .0314		
22	Mon			X .029214		
23	Tue			X .0301		
24	Wed			X .0309		
25	Thu			X .0292		
26	Fri			X .0326		
27	Sat			X .0319		
28	Sun			X .0325		
29	Mon			X .0256		

Erie Islands - February 2016
Discharge Monitoring Report (DMR)
Station 001 - Final Effluent

2/1/2016		80082
Day	CBOD - mg/l	
1	Mon	
2	Tue	X 5
3	Wed	
4	Thu	X 12
5	Fri	
6	Sat	
7	Sun	
8	Mon	
9	Tue	X 9
10	Wed	
11	Thu	X 11
12	Fri	
13	Sat	
14	Sun	
15	Mon	
16	Tue	
17	Wed	X 3
18	Thu	X —
19	Fri	X 9
20	Sat	
21	Sun	
22	Mon	
23	Tue	X 6
24	Wed	
25	Thu	X 4
26	Fri	
27	Sat	
28	Sun	

Erie Islands - February 2016
Discharge Monitoring Report (DMR)
Station 601 - Influent Monitoring

2/1/2016		00530	80082
Day		Total Suspended Solids - mg/l	CBOD 5 day - mg/l
1	Mon		
2	Tue	X 160	X 326
3	Wed		
4	Thu		
5	Fri		
6	Sat		
7	Sun		
8	Mon		
9	Tue	X 276	X 347
10	Wed		
11	Thu		
12	Fri		
13	Sat		
14	Sun		
15	Mon		
16	Tue		
17	Wed	X 212	X 569
18	Thu		
19	Fri		
20	Sat		
21	Sun		
22	Mon		
23	Tue	X 260	X 292
24	Wed		
25	Thu		
26	Fri		
27	Sat		
28	Sun		



ENGINEERING DEPT.

ANALYTICAL REPORT

Ohio Turnpike Commission -Western (Elmore)
Attn: Andrew Cooksey
682 Prospect St.
Berea, OH 44017

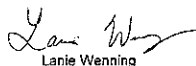
Lab Project # L16-10825
Received: 02/02/2016
Reported: 02/15/2016
Date/Time Sampled: 02/02/2016 09:00
Sampled By: MH
Sampled Matrix: Wastewater
Containers: 1

Project Name: Ohio Turnpike - Erie Islands

Sample ID: EI-WWTP
Lab Sample # L16-10825-01

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Ammonia-N	0.26	mg/L	0.20	EPA-350.1	BRM		02/09/2016
Phosphorus, Total	5.03	mg/L	0.04	EPA-365.3	JS		02/10/2016

Analysis Certified By: _____



Lanie Wenning

ANALYTICAL REPORT

Ohio Turnpike Commission -Western (Elmore)
Attn: Andrew Cooksey
682 Prospect St.
Berea, OH 44017

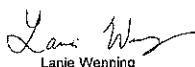
Lab Project # L16-10825
Received: 02/02/2016
Reported: 02/15/2016
Date/Time Sampled: 02/02/2016 09:00
Sampled By: MH
Sampled Matrix: Wastewater
Containers: 1

Project Name: Ohio Turnpike - Erie Islands

Sample ID: EI-WWTP
Lab Sample # L16-10825-02

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate/Nitrite-N	82.3	mg/L	0.05	EPA-353.2/ SM4500NO3	LW		02/08/2016
Total Kjeldahl Nitrogen	<0.50	mg/L	0.50	EPA 351.2	BRM		02/12/2016

Analysis Certified By: _____



Lanie Wenning



Alloway
Your Resource for Defensible Data

Chain of Custody Record

Project: L16-10825

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement.



Report To: **OHIO TURNPIKE**

Name: **OHIO TURNPIKE**
Company:
Address:

Phone #: **440 234-2081**

E-mail: PO#:

Project Name: **MIKE HENNING**

Sampler: **MIKE HENNING**

1 Turnaround: (User charges may apply)
 3 Working Days
 5 Working Days
 Routine

Sample ID / Sample Location	Date	Time	Composite	Grab	Matrix Code	Containers	Code #	Analysis Required	Preservation Codes:	Matrix Codes:	Method of Delivery	Date	Time	Received by:	Received By:	Transported to:	Transported to:	Received By:	Date:	Time:
1 MBI-POTABLE	2-16	9:00 AM	✓	✓	AW	1	2	TOTAL HARDNESS	7 - Sodium Thiosulfate	WW - wastewater GW - groundwater	UPS	2-16-16	12:15	[Signature]	Mansfield	Lima	Marion	By: [Signature]		
2 E1-WWTP	2-16	9:00 AM	✓		WW	1	3	AMMONIA-NITROGEN / PHOSPHORUS	8 - Ascorbic Acid	dW - drinking water sW - surface water	Fed Ex									
3 E1-WWTP	2-16	9:00 AM	✓		WW	1	3	TKN / NITRATE + NITRITE	9 - Maleic Acid	W - water O - oil	Client									
4									10 - EDA	S - solid SG - sludge	Alloway Pick Up									
5									11 - Ammonium Chloride	L - leachate A - acid	Alloway Sampling									
6									12 - (NH ₄) ₂ SO ₄ & Zinc Acetate NH ₄ OH	P - product O - other	Other									

Sample Receiving (For Lab Use Only)
 Ice Present? Y N
 Proper Preservation? Y N
 Container Temperature: 0.4 °C

Received By: [Signature] Date: 2/16/16 Time: 12:15

Transported to: Lima
 Marion

Transported to: Lima
 Marion

Received By: [Signature] Date: 2/16/16 Time: 12:15

Transported to: Lima
 Marion

Transported to: Lima
 Marion

Received By: [Signature] Date: 2/16/16 Time: 12:15

Transported to: Lima
 Marion

Transported to: Lima
 Marion

Received By: [Signature] Date: 2/16/16 Time: 12:15



ENGINEERING DEPT.

ANALYTICAL REPORT

Lab Project # L16-11274
Received: 02/17/2016
Reported: 02/23/2016
Date/Time Sampled: 02/17/2016 09:00
Sampled By: TB
Sampled Matrix: Wastewater
Containers: 1

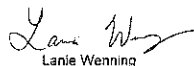
Ohio Turnpike Commission -Western (Elmore)
Attn: Andrew Cooksey
682 Prospect St.
Berea, OH 44017

Project Name: Ohio Turnpike - Erie Islands

Sample ID: EI-WWTP
Lab Sample # L16-11274-01

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Ammonia-N	1.77	mg/L	0.20	EPA-350.1	BRM		02/22/2016

Analysis Certified By: _____



Lanie Wenning



Alloway
Your Resource for Defensible Data

Chain of Custody Record

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement.

Project: L16-11274

102

14905



Report To: **OHIO TURNPIKE**

Name: _____
Company: _____
Address: _____

Invoice To (if Different):

Name: _____
Company: _____
Address: _____

Phone #: **440 234-2081**

Fax #: _____

E-mail: _____

PO#: _____

Project Name: _____

Sampler: **T BAKER** (Print) Customer: _____

Signature: *T Baker* (Signature) Sample Line: _____

Next Day 3 Working Days Routine

2 Working Days 5 Working Days

Sample ID / Sample Location	Customer	Sample Date	Signature	Time	Number of Containers	Preservation Code #	Method of Delivery	Matrix Codes:	Preservation Codes:	Sample Receiving
1 E1-WWTP		2/16/00	Am ✓	9:00	1	3	UPS <input type="checkbox"/>	ww - wastewater gw - groundwater dw - drinking water sw - surface water w - water oil - oil s - solid sg - sludge l - leachate a - acid p - product o - other	1 - None 2 - HNO ₃ 3 - H ₂ SO ₄ 4 - HCl 5 - NaOH 6 - NaOH & Zinc Acetate 7 - Sodium Thiocyanate 8 - Ascorbic Acid Sulfite 9 - Maleic Acid Dihydrogen Citrate 10 - EDA 11 - Ammonium Chloride 12 - (NH ₄) ₂ SO ₄ & NH ₄ OH 13 - Zinc Acetate 14 - Sodium Sulfite 15 - Potassium Dihydrogen Citrate 16 - Sodium Sulfite/Sodium Bisulfite	Ice Present? Y <input type="checkbox"/> N <input type="checkbox"/> Proper Preservation? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> Container Temperature: 1.38
2										
3										
4										
5										
6										
7										
8										

Relinquished by: *David B...*

Received by: *John Smith*

Date: **2/16/00**

Time: **12:10**

Method of Delivery: UPS Fed Ex Client Alloway Pick Up Alloway Sampling Other

Received for Laboratory By: (circle one): **Mansfield** **Lima** **Marion**

(Signature) *John Smith*

Transported to: **Lima** **Marion**

By: _____

Received By: _____

Date: _____

Time: _____

Facility: Erie Island

Month:

Feb-16

Date	Gal. Drawn	% Solids	Gal. Solids	Dry Weight
2/10/2016	a) 16,000	2.10%	336	1.40 Ton
	b)		0	0.00 Ton
	c)		0	0.00 Ton
	d)		0	0.00 Ton
	Total: 16,000	2.10%	336	1.40 Ton

Weighted Average % Solids	2.10%	(rounded)	x	Total Gal. Drawn	16,000	=	Lbs/Gal. H2O	8.34	/	Pounds per Ton	2,000	=	Weight Sludge	1.40	(Tons)
---------------------------	-------	-----------	---	------------------	--------	---	--------------	------	---	----------------	-------	---	---------------	------	--------