6/26/2012?

WACS Data				B1-B	B41-1	B43-1	B64	B78-1	B79-1	B80-2	B81-4	B41-1	B43-1	B45-1	B45-2	B76-1	B77	B79-1	B81-4
	Count of Wells Sampled →			1	2	3	6	9	10	11	12	2	3	4	5	7	8	10	12
# Quarter	Year	Month	Q /Year	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L
1 Initial Sample	2010	Feb&Mai	1Q	15	NH3 150	1.6	14					1.1	0.84	8.4	0.3				
2	2010	May	2Q	13	NH3 51	4	20					0.68	0.91	8	0.41				
3	2010	Aug	3Q	10.7	NH3 55	3.2	9.9					X	X	X	X				
4	2010	Nov	4Q*																
5	2011	Feb	1Q	11.9	NH3 68.3	2.6	0.98	9.2	NH_3 38.3	0.19	0.02	5.0 U	1.2	11.0	1.5	12.9	5.1	add 8.3	add 4.6
6	2011	May	2Q	21.2	NH3 77.5	4.4	6.2	X	X	X	X	1.3	1.3	11.2	1.1	X	X	X	X
7	2011	Aug	3Q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	2011	Nov	4Q	11.9	NH3 82.7	1.8	0.99	X	X	X	X	2.1	1.4	13	0.5	X	X	X	X

Not in WACS but is in Biennial

Not installed yet

Biennial Data				B1-B	B41-1	B43-1	B64	B78-1	B79-1	B80-2	B81-4	B41-1	B43-1	B45-1	B45-2	B76-1	B77	B79-1	B81-4
	Count of Wells Sampled →			1	2	3	6	9	10	11	12	2	3	4	5	7	8	10	12
# Quarter	Year	Month	Q /Year	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L
1 Initial Sample	2010	Feb&Mai	1Q																
2	2010	May	2Q	13.0	51.0	4.0	20.0					0.68	0.91	8.0	0.41				
3	2010	Aug	3Q									X	X	X	X				
4	2010	Nov	4Q*	13.1	63.4	4.5	7.3					1.4	1.7	12.1	2.3				
5	2011	Feb	1Q																
6	2011	May	2Q	21.2	77.5	4.4	6.2	X	X	X	X	1.3	1.3	11.2	1.1	X	X	X	X
7	2011	Aug	3Q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	2011	Nov	4Q	11.9	82.7	1.8	0.99	X	X	X	X	2.1	1.4	13.0	0.5	X	X	X	X

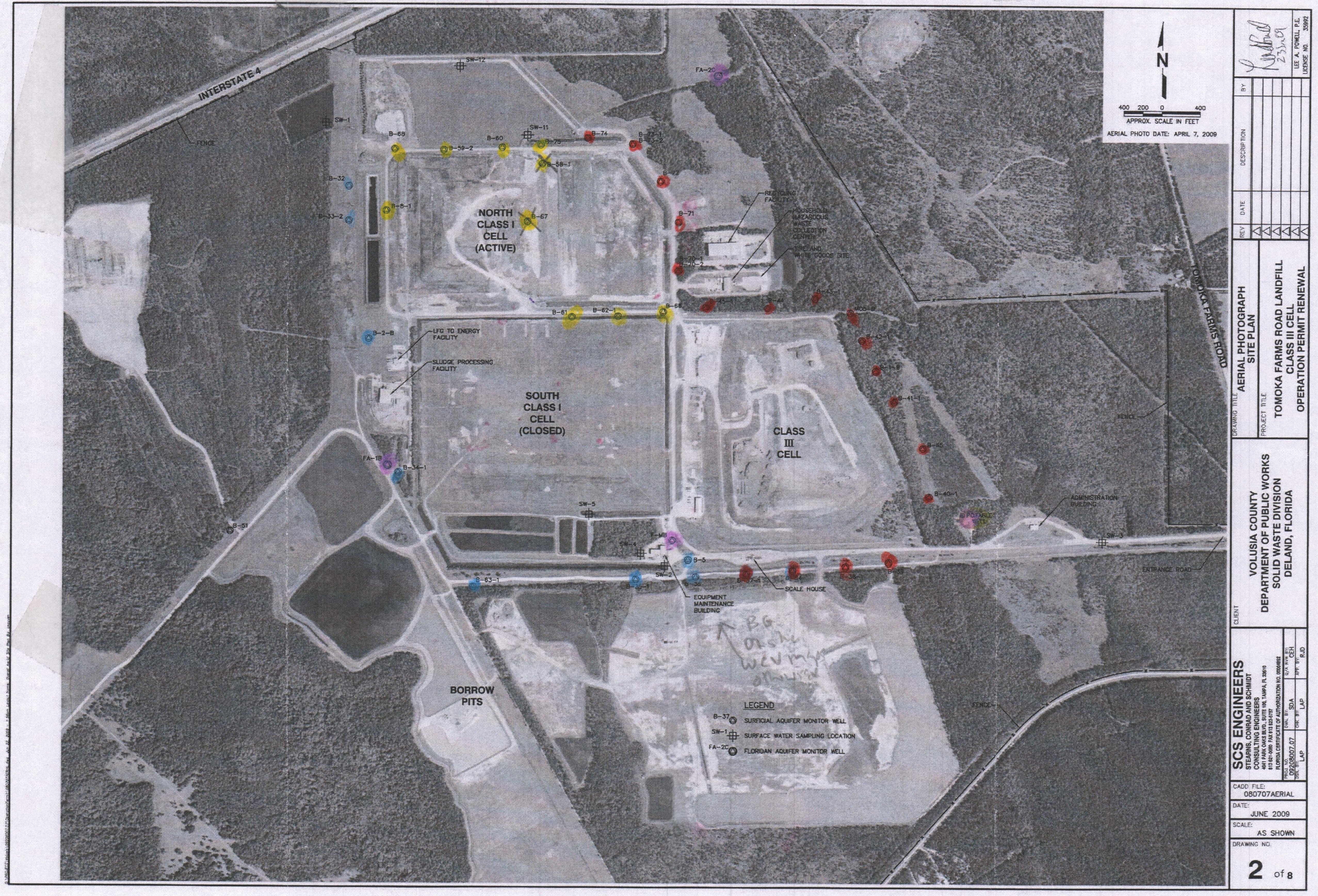
Not in Biennial but is in WACS

Not installed yet

Combined Data Tab;e				B1-B	B41-1	B43-1	B64	B78-1	B79-1	B80-2	B81-4	B41-1	B43-1	B45-1	B45-2	B76-1	B77	B79-1	B81-4
	Count of Wells Sampled →			1	2	3	6	9	10	11	12	2	3	4	5	7	8	10	12
# Quarter	Year	Month	Q /Year	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Ammonia mg/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L	Benzene ug/L
1 Initial Sample	2010	Feb&Mai	1Q	15.0	150.0	1.6	14.0					1.1	0.84	8.4	0.3				
2	2010	May	2Q	13.0	51.0	4.0	20.0					0.68	0.91	8.0	0.41				
3	2010	Aug	3Q	10.7	55.0	3.2	9.9					X	X	X	X				
4	2010	Nov	4Q*	13.1	63.4	4.5	7.3					1.4	1.7	12.1	2.3				
5	2011	Feb	1Q	11.9	68.3	2.6	0.98	9.2	38.3	0.19	0.02	5.0 U	1.2	11.0	1.5	12.9	5.1	8.3	4.6
6	2011	May	2Q	21.2	77.5	4.4	6.2	X	X	X	X	1.3	1.3	11.2	1.1	X	X	X	X
7	2011	Aug	3Q	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	2011	Nov	4Q	11.9	82.7	1.8	0.99	X	X	X	X	2.1	1.4	13.0	0.5	X	X	X	X

Exceed NH3	Not in WACS but is in Biennial
Exceed Benzene	Not in Biennial but is in WACS
10 X Criteria	X not found in WACS Biennial or Oculus
0.91 not exceed	
Not installed yet	

BG/DEXO
2009



7/23/09
By measure what should be

• CO
DE
BG

• Potable & Floridan

X not ampls

1" = 1000'

2013-11

Tomoka 2013-11
Q2014-05

JED #	Area	Area detail	Cluster	Zone 1-2	Zone 4	Zone 6 or Floridan	Deeper than Zone 6	Bottom Parm row
0.1	SW		SW1	SW1				SW1
1	By Leachate Basin		32	33-2	32			32
2	By Leachate Basin		33		33-1			33
3	By Leachate Basin		8		8-2	8		8
4	Sluge Processing		11/2	11	B2		FA-1B	11/2
5	Sluge Processing		34	34-2	34-1			34
6	Class I Ponds		63	63-2	63-1			63
7	Class I Ponds		35	35-2	35-1			35
7a	Ponds		SW2	SW2				SW2
7b	Ponds		SW4	SW4				SW4
7c	Ponds		SW5	SW5				SW5
8	Waste Clean Up		5		5		F-MB	5
9	Waste Clean Up		36		36			36
10	Waste Clean Up		37	37-2	37-1			37
11	Class III	Old Trench & Fill	64	64	B81-4	B-86		64
11a	Class III	Old Trench & Fill	80-2 new	B80-2				80-2 new
12	Class III	Old Trench & Fill	38	38-2	38-1			38
13	Class III	Old Trench & Fill	39	39				39
14	Class III	Old Trench & Fill	40	40-2	40-1			40
15	Class III	Old Trench & Fill	65	65				65
16	Class III	Old Trench & Fill	41	41-2	41-1			41
16a	Class III	Old Trench & Fill	79		B79-1	B-79-6		79
16b	Class III	Old Trench & Fill	85		B85	B85-6	B85-F	85
17	Class III	Old Trench & Fill	1		B-1B			1
17a	Class III	Old Trench & Fill	78		B78-1	B-78-6		78
17b	Class III	Old Trench & Fill	84		B84			84
18	Class III	Old Trench & Fill	42	42-2	42-1			42
19	Class III	Old Trench & Fill	MO-5		MO5-B			MO-5
20	Class III	Old Trench & Fill	43	43-2	43-1			43
21	Class III	Old Trench & Fill	44	B44				44
22	Class III	Old Trench & Fill	45	45-2	45-1	B-77	B-83	45
22a	Class III	Old Trench & Fill	76		B76-1	B-76-6		76
22b	Class III	Old Trench & Fill	82		82-1			82
22c	Class III	Old Trench & Fill	87			B87-6	B87-F	87
23	Interior		66	66				66
24	Interior		62	62-2R	62-1R			62
25	Interior		61	61R				61
26	Class I		70	70-2	70-1			70
27	Class I		71	71				71
28	Class I		72	72				72
29	Class I		73	73-2	73-1			73
31a	borow Pit		SW11	SW11				SW11
30	Class I		74	74				74
31	Class I		75	75				75
33	Class I		60		60			60
34	Class I		59	59-2	59-1			59
35	Class I		68		68			68
31a	Borrow Pit		SW12	SW12				SW12
36	By Potable		FA-2C Floridan			FA-2C		FA-2C Floridan

Zone	Parameter	Criteria	Units	Leachate 2012-11
Zone 1-2 EM	Ammonia	2.8	mg/L	278
	Arsenic	10	ug/L	165
	Benzene	1	ug/L	0.5
	Chloride	250	mg/L	1070
	Sulfate	250	mg/L	NS
	Sodium	160	mg/L	970
	Vinyl Chloride	1	ug/L	2.5 U
	Other			
Zone 4 EM	Ammonia	2.8	mg/L	278
	Arsenic	10	ug/L	165
	Benzene	1	ug/L	0.5
	Chloride	250	mg/L	1070
	Sulfate	250	mg/L	NS
	Sodium	160	mg/L	970
	Vinyl Chloride	1	ug/L	2.5 U
	Other			
Zone 6 or Floridan EM	Ammonia	2.8	mg/L	278
	Arsenic	10	ug/L	165
	Benzene	1	ug/L	0.5
	Chloride	250	mg/L	1070
	Sulfate	250	mg/L	NS
	Sodium	160	mg/L	970
	Vinyl Chloride	1		2.5 U
	Hexachlorobutadiene	0.4	ug/L	
Deeper than Zone 6	Ammonia			
	Arsenic			
	Benzene			
	Chloride			
	Sulfate			
	Sodium			
	Vinyl Chloride			
	Hexachlorobutadiene	0.4	ug/L	
	Parm		Units	Leachate 11/2011
Secondary Parms not listed	Aluminum			
	Iron			
	TDS			

Right-side parameter labels: Area; Parm; Zone 1-2; Ammonia; Arsenic; Benzene; Chloride; DO; Sodium; Vinyl Chloride; Other; Zone 4; EM COC; Ammonia; Arsenic; Benzene; Chloride; DO; Sodium; Vinyl Chloride; (TDS); Zone 6 or Floridan; Ammonia; Arsenic; Benzene; Chloride; DO; Sodium; Vinyl Chloride; (TDS); FA-2C Deeper than Zone 6; Ammonia; Arsenic; Benzene; Chloride; Sulfate; Sodium; Vinyl Chloride; Hexachlorobutadiene; Other; Parm

Zone 1-2 entries: 0.041 (SW5); 370 New (34); NH3 (64); NH3, Well Suspended (B80-2); where 39 from? (43-2); Benz, 0.1 U, 3X, no, 29.8 (45-2); 11.1 new (62); 12.5 new (61)

Zone 4 entries: 33 (B2); 262, 330; color because it printed like Benzene; 2.3, 7.1 (36); 1.1 WCU (B81-4); 17.4, 2.4 New (37-1); 9 (53.3 & 52.7) (41-1); 1X OK; 44.4, 7.1, 325 (B79-1); 0.1 U, suspended 2014-05, 8.9 (B85); 10 (B-1B); Well Suspended (B78-1); NH3 not Require Install NH3 Memo (B84); 2X OK (43-1); Benz, 10.4 (45-1); Benz, 326 (B76-1); Benz, 0.1 U (82-1); 8.1 (62-1R)

Zone 6 or Floridan entries: Benz (B-86); WCU; WCU Area; 56.4, 320 (B-79-6); 7 (B85-6); NH3 not Require Install NH3 Memo (B-78-6); 297 (B-77); 288 (B-76-6)

Deeper than Zone 6 entries: 0.1 U (B85-F); 0.1 U, 4X (B-83)

OK'd EM suspension only

HDR

PROJECT TITLE TOMOKA FARMS ROAD LANDFILL

SHEET TITLE SITE MAP

PROJECT NUMBER 235490

PROJECT MANAGER J. CATCHES

DATE 01/2015

REFERENCE SHEET

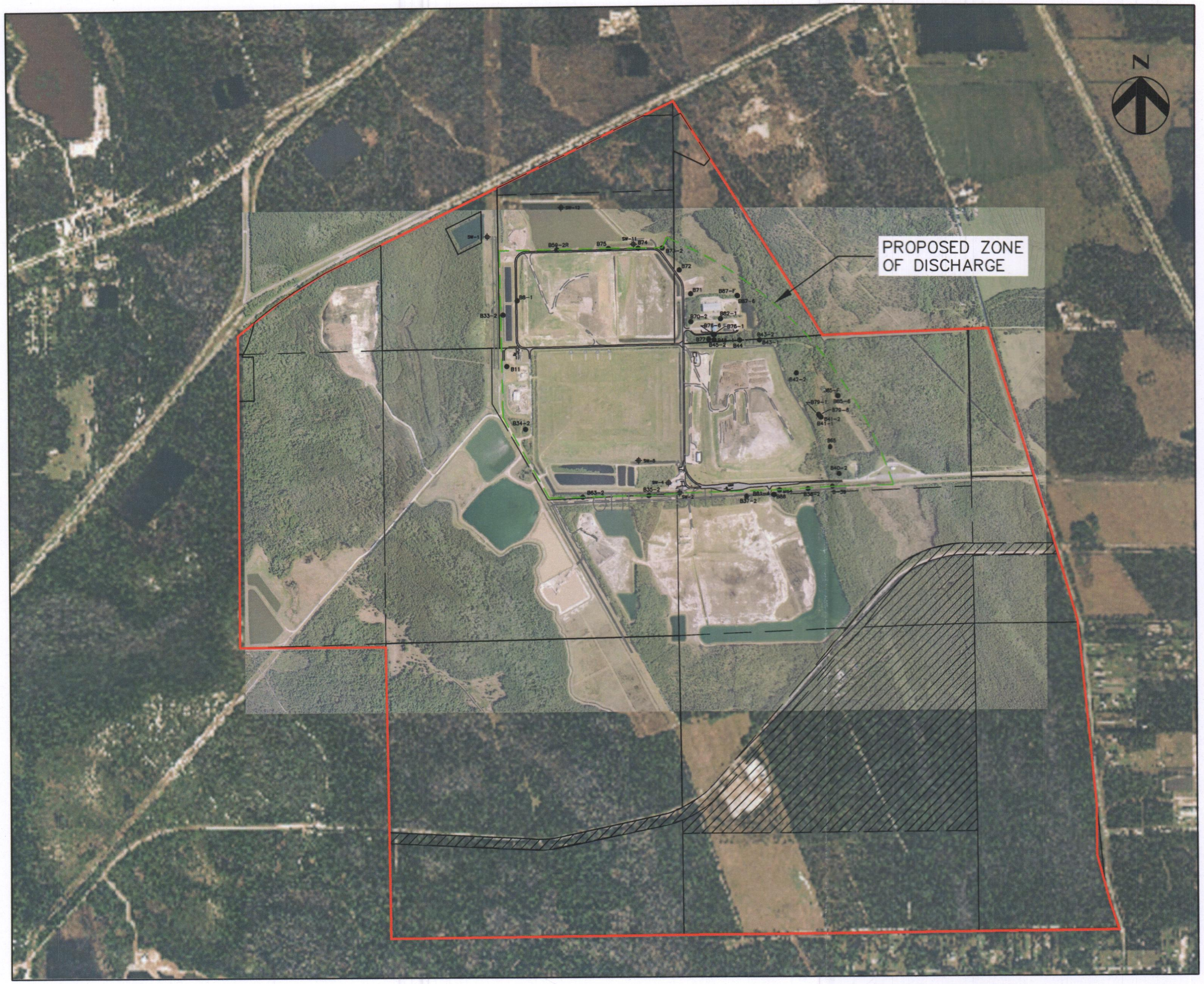
REFERENCE DOCUMENT

EXHIBIT NUMBER FIGURE 1

2015-04 Annual Rept
55

2015-04

Em Award Rd



NOTES:

1. LANDFILL AND SURROUNDING AERIAL FROM VOLUSIA COUNTY PROPERTY APPRAISER WEBSITE, 2014.
2. MONITORING WELLS SHOWN ON THIS MAP:
   (1) ZONE 1–2 OF THE SURFICIAL WELLS IN THE FACILITY PERMIT (NO. 0078767-034-SO-T3).
   (2) ALL MONITORING WELLS OF THE CURRENT BENZENE EVALUATION MONITORING PROGRAM.

LEGEND:

PROPERTY BOUNDARY

PARCEL BOUNDARY

PROPOSED ZONE OF DISCHARGE

PROPERTY NOT OWNED BY VOLUSIA COUNTY

SCALE IN FEET

-2000 0 2000 4000

HDR

TOMOKA FARMS ROAD LANDFILL SITE PLAN WITH PROPOSED ZONE OF DISCHARGE BOUNDARY

DATE MAR 2015

FIGURE 61

Tomoka Semi & Q 2014-11

Tomoka

2014-11 Semi

JED #	0.1	1	2	3	4	5	6	7	7a	7b	7c	8	9	10	11	11a	12	13	13a	14	15	16	16a	16b	17	17a	17b	18	19	20	21	22	22a	22b	22c	23	24	25	26	27	28	29	31a	30	31	33	34	35	31a	36
Area	SW	By Leachate Basin			Sluge Processing		Class I Ponds		Ponds	Ponds	Ponds	Waste Clean Up			Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Ditch Past Weigh	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill	Class III Old Trench & Fill		Interior		Class I	Class I	Class I	Class I	borow Pit	Class I	Class I	Class I	Class I	Class I	Borrow Pit	By Potable
Cluster →	SW1	32	33	8	11/2	34	63	35	SW2	SW4	SW5	5	36	37	64 & 84	80-2	38	39	SW3	40	65	41	79	85	1	78	84	42	MO-5	43	44	45	76	82	87	66	62	61	70	71	72	73	SW11	74	75	60	59	68	SW12	FA-2C Floridan
Zone 1-2	SW1		33-2		11	34-2	63-2	35-2	SW2	SW4	SW5			37-2	64	B80-2	38-2	39	SW3	40-2	65	41-2						42-2		43-2	B44	45-2				66	62-2R	61R	70-2	71	72	73-2	SW11	74	75		59-2		SW12	
Zone 4		32	33-1	8-2	B2	34-1	63-1	35-1				5	36	37-1	B81-4		38-1			40-1		41-1	B79-1	B85	B-1B	B78-1	~~B84~~	42-1	MO5-B	43-1		45-1	B76-1	82-1			62-1R		70-1			73-1				60	59-1	68		
Zone 6 or Floridan				B8-1											B-86								B-79-6	B85-6		B-78-6						B-77	B-76-6		B87-6															
Deeper than Zone 6						FA-1B						F-MB												B85-F								B-83			B87-F															FA-2C

Parameter	Criteria	Units	Leachate 2012-11
Zone 1-2			
EM			
Ammonia	2.8	mg/L	278
Arsenic	10	ug/L	165
Benzene	1	ug/L	0.5
Chloride	250	mg/L	1070
Sulfate	250	mg/L	NS
Sodium	160	mg/L	970
Vinyl Chloride	1	ug/L	2.5 U
Other			
Zone 4			
EM			
Ammonia	2.8	mg/L	278
Arsenic	10	ug/L	165
Benzene	1	ug/L	0.5
Chloride	250	mg/L	1070
Sulfate	250	mg/L	NS
Sodium	160	mg/L	970
Vinyl Chloride	1	ug/L	2.5 U
Other			
Zone 6 or Floridan			
EM			
Ammonia	2.8	mg/L	278
Arsenic	10	ug/L	165
Benzene	1	ug/L	0.5
Chloride	250	mg/L	1070
Sulfate	250	mg/L	NS
Sodium	160	mg/L	970
Vinyl Chloride	1		2.5 U
Hexachlorobutadiene	0.4	ug/L	
Deeper than Zone 6			
Ammonia			
Arsenic			
Benzene			
Chloride			
Sulfate			
Sodium			
Vinyl Chloride			
Hexachlorobutadiene	0.4	ug/L	
Parm		Units	Leachate 11/2011
Secondary Parms not listed			
Aluminum			
Iron			
TDS			

Area (right-hand legend)
Parm
Zone 1-2
Ammonia
Arsenic
Benzene
Chloride
DO
Sodium
Vinyl Chloride
Other
Zone 4
EM COC
Ammonia
Arsenic
Benzene
Chloride
DO
Sodium
Vinyl Chloride
(EDB)
Zone 6 or Floridan
Ammonia
Arsenic
Benzene
Chloride
DO
Sodium
Vinyl Chloride
(EDB)
Deeper than Zone 6
Ammonia
Arsenic
Benzene
Chloride
Sulfate
Sodium
Vinyl Chloride
Hexachlorobutadiene
Other
Parm

Values and notes within the grid:

- Zone 1-2: 0.9 Unionic ?(??) (JED 7c); NH3 (JED 11, 11a); Well Suspended (JED 11a); 26.2 (JED 13); 3X, no (JED 22); 10.8 (JED 24); 14.2 (JED 25); 20.6 "new" check (JED 29)
- Zone 4: 5.7, 401 (JED 4); 11.3, 297 (JED 10); WCU (JED 11); 27.6 (JED 16); B85 instead of 41-1?, 51.6, 6.7, 347, 155 (JED 16a/16b); suspended 2014 as ok – to unsuspend for Benzene (JED 16b); 9.8 (JED 17); Well Suspended (JED 17a); NH3, not Require Install NH3 Memo (JED 17b); 4, 3.4, 2X, OK (JED 19/20); where 39 from? (JED 20); 39.8 check, Benz, 10.2, 10.3, 342 (JED 22/22a); Benz (JED 22b); 79.9, 182 (JED 24)
- Zone 6 or Floridan: Benz, WCU, DUP similar, 186 (JED 11); WCU Area (JED 8–10); B & NH3, 54.3, 6, 24, 257 (JED 16a); 12.5, DUP similar, 2.5, 280, 180 (JED 16b); NH3, not Require Install NH3 Memo (JED 17a/17b); Benz, 5.2, 286 (JED 22); Benz, 11.9, 284 (JED 22a); 0.1 U (JED 22c)
- Deeper than Zone 6: 0.1 U, 5X, OK (JED 16b); not sampled, 4X (JED 22); 0.1 U (JED 22c)

0.1	1	2	3	4	5	6	7	7a	7b	7c	8	9	10	11	11a	12	13	13a	14	15	16	16a	16b	17	17a	17b	18	19	20	21	22	22a	22b	22c	23	24	25	26	27	28	29	31a	30	31	33	34	35	31a	36
SW1	32	33	8	11/2	34	63	35	SW2	SW4	SW5	5	36	37	64	80-2 NH3	# 38	39		40	65	41	79	85 OK	1	78	84	42	MO-5	43	44	45	76	82	87	66	62	61	70	71	72	73	SW11	74	75	60	59	68	SW12	FA-2C Floridan

EM Q sampling

2014 EM Annual proposing to add 4 Ass wells to MPIS

2014 EM Annual proposing will suspend monitoring

4/13/2015

with Annual EM Rept

Tonoka 2011-11 Semi

2011-11	JED # →			0.1	1	2	3	4	5	6	7	7a	7b	7c	8	9	10
Area			Leachate	SW	By Leachate Basin			Sluge Processing		Class I Ponds		Ponds	Ponds	Ponds	Waste Clean Up		
Cluster →	Criteria	Units	Leachate 11/2011	SW1	32	33	8	11/2	34	63	35	SW2	SW4	SW5	5	36	37
Zone 1-2				SW1		33-2		11	34-2	63-2	35-2	SW2	SW4	SW5			37-2
EM																	
Ammonia	2.8	mg/L	319						7.6								
Arsenic	10	ug/L	54.2						12.5								
Benzene	1	ug/L	3.3														
Chloride	250	mg/L	700					"new" not on 2011-05									
Sulfate	250	mg/L															
Sodium	160	mg/L	670			170											
Vinyl Chloride	1	ug/L															
(EDB)	0.02	ug/L															
Zone 4					32	33-1	8-2	2	34-1	63-1	35-1				5	36	37-1
EM																	
Ammonia	2.8	mg/L	319					3									
Arsenic	10	ug/L	54.2														
Benzene	1	ug/L	3.3													2.5	12.1 /9[illegible]
Chloride	250	mg/L	700														
Sulfate	250	mg/L						308									
Sodium	160	mg/L	670														2[illegible]
Vinyl Chloride	1	ug/L															
(EDB)	0.02	ug/L															
Zone 6 or Floridan							8		FA-1B						F-MB		
EM																	
Ammonia	2.8	mg/L	319														
Arsenic	10	ug/L	54.2														
Benzene	1	ug/L	3.3														
Chloride	250	mg/L	700														
Sulfate	250	mg/L															
Sodium	160	mg/L	670														
Vinyl Chloride	1	ug/L															
(EDB)	0.02	ug/L															
Zone 6 or Floridan																	
Ammonia																	
Arsenic																	
Benzene																	
Chloride																	
Sulfate																	
Sodium																	
Vinyl Chloride																	
(EDB)																	

	11	11a	12	13	14	15	16	16a	17	17a	18	19	20	21	22	22a	23	24	25
Area	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Class III	Interior		
Cluster	64	80-2 new	38	39	40	65	41	79	1	78	42	MOB-5	43	44	45	76	66	62	61
Zone 1-2	64	B80-2	38-2	39	40-2	65	41-2				42-2		43-2	44-2	45-2		66	62-2R	61R
EM	NH3	NH3													Benz				
Ammonia	0.5 U																	20.4	22.5
Arsenic																			
Benzene																			
Chloride																			
Sulfate																			
Sodium																			
Vinyl Chloride																			
(EDB)																			
Zone 4	B81-4		38-1		40-1		41-1	B79-1	B-1B	B78-1	42-1	MO-5	43-1		45-1	B76-1		62-1R	
EM	NH3						B & NH3	NH4	NH3	NH3			B & NH3		Benz	Benz			
Ammonia							82.7		11.9				1.8					105	
Arsenic																			
Benzene							2.1 not in EM						1.4		13.0				
Chloride																			
Sulfate											280								
Sodium							168								202			223	
Vinyl Chloride																			
(EDB)																			
Zone 6 or Floridan															B-77				
EM															Benz				

26	27	28	29	31a	30	31	33	34	35	31a	36	
Class I	Class I	Class I	Class I	borow Pit	Class I	Class I	Class I	Class I	Class I	Borrow Pit	By Potable	Area
70	71	72	73	SW11	74	75	60	59	68	SW12	FA-2C Floridan	Parm
70-2	71	72	73-2	SW11	74	75		59-2		SW12		Zone 1-2
												Ammonia
						18.9						Arsenic
						2.5						Benzene
						"new" not on 2011-05						Chloride
												DO
												Sodium
												Vinyl Chloride
												(EDB)
70-1			73-1				60	59-1	68			Zone 4
												EM COC
												Ammonia
												Arsenic
												Benzene
												Chloride
												DO
												Sodium
												Vinyl Chloride
							0.072 U					(EDB)
											FA-2C	Zone 6 or Floridan
												Ammonia
												Arsenic
												Benzene
												Chloride
												DO
												Sodium
												Vinyl Chloride
												(EDB)
											FA-2C	Zone 6 or Floridan

1 B82-1

2 B83

3 B84

4 B85

5 B84

Not in WMCS

Tonoka Semi 2011-11

Prake 6/18/2[illegible]

A" Assent

A new 'A' well data

SS

TABLE 1: GEL CORPORATION GROUNDWATER ANALYTICAL SUMMARY

GEL Sampling History Selected Parameters			Southwest Mulch				Southeast C&D							North C&D/Lake Marie				Northwest Lake Marie W/CU					
		On the Property→	Co for mulch?	Co for mulch?	Mulch	Mulch	C&D	C&D	C&D	C&D	C&D	C&D	C&D	LM/C&D	LM/C&D	LM/C&D	LM/C&D	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie
		Type Well→	CO	CO	BG	BG	CO	CO	CO	CO	CO	CO	CO	CO	CO	AS	AS	Abandoned		AS	AS		
		Parm List→	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D			C&D	C&D	C&D	C&D
		Cluster #	1	1	2	2	3	3	4	4	5	5	6	7	7	7A	7A	8	8	8A	8A	9	9
		MONITORING WELL ID ↓	GEL1-S 50'	GEL1-D 65'	GEL2-S 50'	GEL2-D 68'	GEL3-S 38'	GEL3-D 57'	GEL4-S 35'	GEL4-D 51'	GEL5-S 33'	GEL5-D 50'	GEL6-D 45'	GEL7R-S 45'	GEL7R-D 65'	GEL7A-S 45'	GEL7A-D 65'	GEL8R-S	GEL8R-D	GEL8A-S 42'	GEL8A-D 67'	GEL9-S 47'	GEL9-D 66'
Parameter	Date	FDEP GCTL↓																					
Phenols ug/L	January 2007	10							770	82						13	18	35	17				14
	July 2007	100							58.5			15.6		11.5						71.2		47.2	163
	January 2008		22				34.6							11.5						30.1		341	247
	July 2008			~~315~~				15.7	14.6	108		185		14.1	315	72.4				62.4		31.2	202
	January 2009																						
	July 2009																						
	January 2010														80	18.2	66.6						
Benzene ug/L	January 2007	1																2.5					
	July 2007	X100																		2.85			
	January 2008																			1.6			
	July 2008																			1.15			
	January 2009																						
	July 2009																						
	January 2010																			1.4		1.05	
Vinyl Chloride ug/L	July 2006	1																					
	January 2007	100X																					1.8
	July 2007																				1.49	1.59	1.24
	January 2008																						1.47
	July 2008																						1.53
	January 2009																						
	July 2009																						
	January 2010																						
Arsenic ug/L	July 2006	10			56	19			18			<8.2					20		19			32	24
	January 2007	X10			41	18			13			<4.3				15	23		18			33	20
	July 2007				38.2	18.3			17.3	12.2		5.5		12.2	44.2							18.2	22.8
	January 2008				72.9	16.1			11.2			7.18	22.2	58.9	22.1	19	15				10.5	25.3	22.8
	July 2008		14.6	~~45.3~~	25.1	17.7						<4.2			43.5					49.2	19.8	26.7	22.5
	January 2009											<4.2											
	July 2009											8.11											
	January 2010				29.4	11.1						12.2		20			39.4			11.5			
Aluminum ug/L	July 2006	200					2400		270								350	290				670	290
	January 2007	10X					2800		240		241		250				250					1300	
	July 2007				447		347	341	701		1450	766		2080	932					2300		1800	231
	January 2008						817	1360	1440		5020	372	322	650	506	361				2950		7230	236
	July 2008		4500	~~8030~~			398		316						8030		226			824	207	6690	261
	January 2009																						
	July 2009																						
	January 2010																						
Iron ug/L	July 2006	300	1,700		45,000	6,600	3,000	5,600	11,000	1,500	560		15,000			11,000	12,000	46,000	22,000			39,000	16,000
	January 2007	10X	830		39,000	6,800	2,600	9,700	19,000	3,100	1,100		13,000			12,000	13,000	45,000	21,000			35,000	16,000
	July 2007				45,600	5,740	419	12,100	10,600	1,600	1,350	330	11,600	17,700	21,300					21,400	27,200	15,900	17,800
	January 2008		4,200		54,300	3,730	695	20,400	7,080	2,070	6,680	686	15,700	22,000	20,600	13,300	7,700			39,800	14,800	35,000	16,400
	July 2008		70,400	~~20,800~~	35,500	4,850	22,300		3,690	2,100		538	9,210	23,200	20,800	15,300	546				13,000	34,300	16,000
	January 2009																						
	July 2009																						
	January 2010																						
Chloride mg/L	July 2006	250							270														310
	January 2007	10X							260														290
	July 2007														270						411	315	273
	January 2008													288	266								281
	July 2008			~~266~~																			
	January 2009																						
	July 2009																						
	January 2010		11	10.3					163	202				124	284								
Ammonia mg/L	July 2006	2.8							6.6								48	7.9					
	January 2007	28															35	7.1					
	July 2007							2.89						7.11	56					213	16.7		
	January 2008							4.32	450						48		32			3.71			
	July 2008			~~46.3~~				5.49						5.8	46		23.3				11.8		
	January 2009																						
	July 2009																						
	January 2010				8.08				9.51					5.57	61		57.4			7.12			
Sulfate mg/L	July 2006	250						260	810	360												260	
	January 2007							490	960	410												270	
	July 2007							689	931	391	255												
	January 2008							790		440	270												
	July 2008							794	698	414													
	January 2009																						
	July 2009																						
	January 2010		5.35	0.755				428	462	404	224			161	4.77								
TDS mg/L	July 2006	500						830	2,900	1,400	520		770				960		720			720	1,300
	January 2007							1,100	2,700	1,500	570		820				1,100		750			800	1,200
	July 2007							1,700	2,470	1	795	547	779	923	1,440					1,610	1,620	1,100	1
	January 2008							1,810	1,570	1,490	799	526	701	1,070	1,180		1,000					674	1,210
	July 2008			~~1,240~~				1,760	1,990	1,590	648	588	642	1,170	1,240		968				812	845	1,060
	January 2009																						
	July 2009																						
	January 2010																						
DICHLOROBENZENE, 1,4-	July 2006	75																					
	January 2007																						
	July 2007																						
	January 2008																						
	July 2008																						
	January 2009																						
	July 2009											1.93					2.27			2.92	1.04	1.5	1.39
	January 2010																						
		Surface	BG	BG	Mulch	Mulch	C&D	C&D	C&D	C&D	C&D	C&D	C&D	LM/C&D	LM/C&D	LM/C&D	LM/C&D	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie

TABLE 1: GEL CORPORATION GROUNDWATER ANALYTICAL SUMMARY

Parameter	Date	Northwest Lake Marie W/CU		West MW-10 Wells																	
	On the Property→	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie
	Type Well→	AS	AS	AS	AS	AS	AS	AS	AS	AS	Sentinel	Sentinel	AS	AS	AS	Sentinel	Sentinel	Sentinel	Sentinel	AS	AS
	Parm List→	C&D	C&D	C&D	C&D	C&D	C&D	Class I	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D
	Cluster #	9A	9A	10	10	10A	10A	10	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A	10A
	MONITORING WELL ID ↓	GEL9A-S 47'	GEL9A-D 68'	GEL10-S 54'	GEL10-D 74'	GEL10A-S 55'	GEL10A-D 75'	GEL10A-F 94'	GEL10B-S 51'	GEL10B-D 70'	GEL10C-S 50'	GEL10C-D 70'	GEL10D-S 50'	GEL10D-D 68'	GEL10D-D2 94'	GEL10E-S 50'	GEL10E-D 70'	GEL10F-S 53'	GEL10F-D 68'	GEL10G-S 51'	GEL10G-D 68'
Phenols ug/L	January 2007		28	11	14	23	24	17	39	120				64	120		22	14	23		300
	July 2007			442			19.8	13.9							17.8	17.8		12.5	11.9		10.9
	January 2008			726	1010								10.2		245						
	July 2008	74.4		447	440		46.8	32.9			19.7	24.4		88.3							37.8
	January 2009																				
	July 2009							<5.8													
	January 2010							50				12.3									
Benzene ug/L	January 2007	1.3		3.9	1.2	3.6	1.8		2.6	1.7			3.4	3.1				1.2	1.1	2.3	1.8
	July 2007	1.11		2.88	1.29	2.41	1.18		1.69	1.01		0.236	4.11	4.04	1.24			1.77	1.32	3.37	2.66
	January 2008			2.15	1	2.46						0.049	1.95	2.27				1.01		1.55	1.47
	July 2008			2.95		2.46	1.22		1.32			0.0322	2.64	2.31				1.69	1.09	1.76	1.56
	January 2009											0.017									
	July 2009											0.017									
	January 2010										*	1.05									
Vinyl Chloride ug/L	July 2006		1.2	1.9		7.1	6.6	1.4					4.5	6.2	3						
	January 2007				2.7	12	3.8						1.3	7.4	2.3						
	July 2007				1.41	3.53	1.87						1.21	7.07	1.5						
	January 2008				1.19	13.2	2.29						4.39	1.9							
	July 2008		1.18		1.25	6.54	3.04						1.36	7.29	1.98						
	January 2009																				
	July 2009																				
	January 2010		1.99	11																	
Arsenic ug/L	July 2006	22	14		16				39	54											
	January 2007	36	11						31	40											
	July 2007	37.2	17.3						117	31											
	January 2008	39	10.8	10.1		15			35.1	28.9											
	July 2008	35.5	15.5	11.4		10.4			27.6	21.4					10.5						
	January 2009																				
	July 2009																				
	January 2010	13	23.4																		
Aluminum ug/L	July 2006	600	5500	570		2200	1300		51000	1300	5400	230	820	2000		1700	800	290	660	520	380
	January 2007	1100	1600	1400		1500	400		36000	2300	9000		680	940		1100	970	320	530	3100	1000
	July 2007	8300	10000	673		12000	314		97300	1240	60600		7800	2800	780	47000	4800	2200	2300	1900	810
	January 2008	3410	485	1800		8600			319	1530	7800	2990	17400		240	12800	967		2890	21900	1360
	July 2008	506	1850	6420		23600	492	384	28700	663	6830		19400	42800		1310	7140	114000	27400	6450	10900
	January 2009																				
	July 2009																				
	January 2010																				
Iron ug/L	July 2006	88,000	22,000	7,800	28,000	44,000	11,000	2,200	120,000	65,000	1,000		20,000	8,700	3,100	320		2,100	1,200	5,100	2,600
	January 2007	92,000	20,000	11,000	26,000	41,000	12,000	1,300	110,000	77,000	8,800		6,800	7,300	3,500			1,800	1,200	41,000	4,300
	July 2007	86,000	29,000	19,800	27,700	36,700	14,400	2,240	150,000	75,000	3,600		13,000	8,180	4,420	4,500	589	1,380	1,280	44,700	10,400
	January 2008	47,000	13,600	23,300	23,100	41,600	523	1,720	57,900	54,000	416		6,520	14,100	4,720	1,260		1,250	1,560	24,900	15,900
	July 2008	52,500	22,800	16,100	28,000	36,200	15,400	2,690	91,500	27,000	499		28,300	9,400	4,400		799	8,860	3,030	21,100	27,800
	January 2009																				
	July 2009																				
	January 2010																				
Chloride mg/L	July 2006				420																
	January 2007				370																
	July 2007			328	436		252														
	January 2008			265	485		297														
	July 2008																				
	January 2009																				
	July 2009																				
	January 2010			624	496																
Ammonia mg/L	July 2006	5.9		100	8.9	11	36		19	18			4.1					5.3		20	13
	January 2007	4.1		130	13	10	31.0		15	17			6.5					6.4		14	14
	July 2007	3.62		214		10.2	31.5		16	15			14.4					8.4		14.8	13.2
	January 2008			39	25.2	26.2	2.33		6.24	5.26				5.94				6.76		18.1	7.69
	July 2008			181	20.8	12.6	21.1		13.2				5.99					10.7		18.8	9.9
	January 2009																				
	July 2009																				
	January 2010	3.49		55.6	22.3													4.65			
Sulfate mg/L	July 2006																				
	January 2007																				
	July 2007																				
	January 2008																				
	July 2008																				
	January 2009																				
	July 2009																				
	January 2010			0.755	5.86																
TDS mg/L	July 2006	570		540	1,500		950	860													
	January 2007	610	590	1,200	1,500		870	830													
	July 2007	572	687	1,700	1,460		934	915													
	January 2008			2,310	1,880			855													
	July 2008		567	1,420	1,530		906	841													
	January 2009																				
	July 2009																				
	January 2010																				
DICHLOROBENZENE, 1,4-	July 2006																				
	January 2007																				
	July 2007																				
	January 2008																				
	July 2008																				
	January 2009																				
	July 2009			14	13.9/14.5	5.9	12	2.94	2.46	3.22			3.73	3.64	2.08		1.12	2.37	6.26	6.65	6.22
	January 2010																				
	Surface	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie

Sulfate see footnote 7/06

9AD?

clean

✓GEL7-D
been Report also for GEL1D
& been refer ~~as~~ 'BG' in some

8/12/10
8:23

TABLE 1: GEL CORPORATION GROUNDWATER ANALYTICAL SUMMARY

8/17/10

GEL Sampling	Southwest Mulch		C&D				North C&D		Northwest					West MW-10 Wells							
On the Property?	Co for mulch?	Mulch	C&D	C&D	C&D		LM/C&D	LM/C&D	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie
Type Well	CO	BG	CO	CO	CO		CO	AS	AS	CO	AS	CO	AS	AS	AS	AS	AS	AS	AS	AS	AS
Parm List	C&D	C&D	C&D	C&D	C&D		C&D	C&D	C&D	C&D	C&D	C&D	C&D	Class I	C&D	C&D	C&D	C&D	C&D	C&D	C&D
Cluster #	1	2	3	4	5		7	7A	8A	9	9A	10	A	AF	B	C	D	DD2	E	F	G
MONITORING WELL ID and TD	GEL1-S 50'	GEL2-S 50'	GEL3-S 38'	GEL4-S 35'	GEL5-S 33'		GEL7R-S 45'	GEL7A-S 45'	GEL8A-S 42'	GEL9-S 47'	GEL9A-S 47'	GEL10-S 54'	GEL10A-S 55'	GEL10A-F 94'	GEL10B-S 51'	GEL10C-S 50'	GEL10D-S 50'	GEL10D-D2 94'	GEL10E-S 50'	GEL10F-S 53'	GEL10G-S 51'

Parameters: Phenols, Benzene, Vinyl Chloride, Arsenic, Aluminum, Iron, Chloride, Ammonia as N, Sulfate, TDS — Date rows January 2007 / July 2007 / January 2008 / July 2008 / January 2009 / July 2009 / January 2010 (FDEP GCTL: Phenols 10, Benzene 1, Vinyl Chloride 1, Arsenic 10, Aluminum 200, Iron 300, Chloride 250, Ammonia as N 2.8, Sulfate 250, TDS 500)

stopped Al restart at 5A

On the Property?	Co for mulch?	Mulch	C&D	C&D	C&D	C&D	C&D	LM/C&D	LM/C&D	Lake Marie	Lake Marie	Lake Marie	Lake Marie	Lake Marie		Lake Marie	Lake Marie	Lake Marie		Lake Marie	Lake Marie	Lake Marie
Type Well	CO	BG	CO	CO	CO	CO	CO	CO	AS	AS	CO	AS	CO	AS	AS	AS	AS	AS		AS	AS	AS
Parm List	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D	C&D		C&D	C&D	C&D
Cluster #	1	2	3	4	5	6	7	7	7A	8A	9	9A	10	A		B	C	D		E	F	G
MONITORING WELL ID and TD	GEL1-D 65'	GEL2-D 68'	GEL3-D 57'	GEL4-D 51'	GEL5-D 50'	GEL6-D 45'	GEL7R-D 65'		GEL7A-D 65'	GEL8A-D 67'	GEL9-D 66'	GEL9A-D 68'	GEL10-D 74'	GEL10A-D 75'		GEL10B-D 70'	GEL10C-D 70'	GEL10D-D 68'		GEL10E-D 70'	GEL10F-D 68'	GEL10G-D 68'

Sulfate (?) July 2008

S/Yes
Sulfate
Chloride
TDS

~~next one~~ repeats
• Remove columns to left
• use legal landscape
• add Pb shallow?
• pull yellow and Deep

AS
8A vs
7S

AS
7/08 1S
vs ~~4S~~
7S

8/17/10

10S
~~DD2~~ < 4S Jan 07 ~~July 2008~~
phenols

July 07 10B-S
mean (3.7)

Jun 08 1-S 3.7 mean

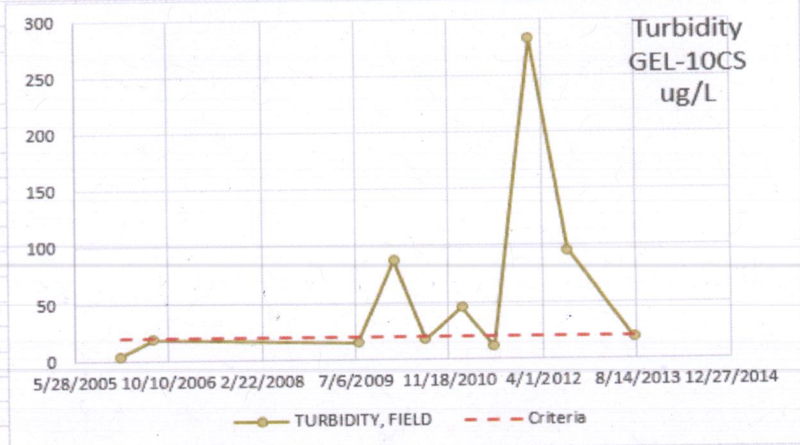
Lean 1S GW for ~~?~~
ES

7S Deep
7D or use of AOBs wells?

Gel 2013-07 (still current 5/20/2014)																						Gel 2013-07
Area		C&D	C&D	C&D	C&D	C&D	C&D	MW-7 Area	MW-7 Area	NW Area	NW Area	NW Area	MOP	MOP	MOP	MOP	MOP	MOP	MOP	MOP		Area
JED order & color date sampled 2013-0		1	2	3	4	5	6	7	7.4	8	9	9.4	10	11	12	13	14	15	16	17		JED order
JED order & color date sampled 2013-07																						
MPIS well type																						
GEL Report types																						
		GEL-1S	GEL-2S	GEL-3S	GEL-4S	GEL-5S	GEL-6S	GEL-7RS	GEL-7AS	GEL-8AS	GEL-9S	GEL-9AS	GEL-10S	GEL-10BS	GEL-10AS	GEL-10DS	GEL-10GS	GEL-10ES	GEL-10CS	GEL-10FS		
AMMONIA mg/L	2.8							13.9		5.1			210	6.3 new	19.1	3.7				18.5		AMMONIA mg/L
BENZENE ug/L	1						DRY			1.1			4.5		1.9	1.7				1.4 new		BENZENE ug/L
VINYL CHLORIDE ug/L	1																					VINYL CHLORIDE ug/L
Sulfate mg/L	250				516	511																Sulfate mg/L
PHENOLS, TOTAL ug/L	10 trigger																	Sentinel Wells Watch				PHENOLS, TOTAL ug/L
ARSENIC ug/L	10		33.1								35.7	11.6 new		14.5 new								ARSENIC ug/L
Mercury ug/L	2							No Hg														Mercury ug/L
Lead ug/L	15			20.3 new															60.2			Lead ug/L
Chromium ug/L	100							but			2770 "new"											Chromium ug/L
Turbidity NTUs	y list >100							stepout											19.14			Turbidity NTUs
Chloride mg/L	250							was not														Chloride mg/L
Sodium mg/L	160							sampled					240 new									Sodium mg/L
Bromodichloromethane	0.6							per DEP									5.9 new THM					Bromodichloromethane
Dibromochloromethane	0.4							field OK									5.5 new THM					Dibromochloromethane
		GEL-1D	GEL-2D	GEL-3D	GEL-4D	GEL-5D	GEL-6D	GEL-7RD	GEL-7AD	GEL-8AD	GEL-9D	GEL-9AD	GEL-10D	GEL-10BD	GEL-10AD	GEL-10DD	GEL-10GD	GEL-10ED	GEL-10CD	GEL-10FD		
AMMONIA mg/L	2.8			3.2				78.7(74.1)					5.7	5.7	38.6		8.6 (9.9)New					AMMONIA mg/L
BENZENE ug/L	1							3.3(3.4)					1.2		3.4		2.2 (2.6)new					BENZENE ug/L
VINYL CHLORIDE ug/L	1										3.1		3.5		6.6							VINYL CHLORIDE ug/L
Sulfate mg/L	250			342	341 (506)	498																Sulfate mg/L
PHENOLS, TOTAL ug/L	10 trigger																	123 new				PHENOLS, TOTAL ug/L
ARSENIC ug/L	10		16					47.5(44.4)		25.8	23.8	17.5		15.7								ARSENIC ug/L
Lead ug/L	15																					Lead ug/L
Chromium ug/L	100																					Chromium ug/L
Turbidity NTUs	y list >100																					Turbidity NTUs
Chloride mg/L	250							355(365)					363									Chloride mg/L
Sodium mg/L	160				166			248(232)					215									Sodium mg/L
DICHLOROPROPENE, CIS-1,3	0.4																					DICHLOROPROPENE, CIS-1,3-
															GEL-10AF	GEL-10DD-2						
AMMONIA mg/L	2.8																					AMMONIA mg/L
BENZENE ug/L	1															1.1						BENZENE ug/L
VINYL CHLORIDE ug/L	1															4						VINYL CHLORIDE ug/L
Sulfate mg/L	250																					Sulfate mg/L
PHENOLS, TOTAL ug/L	10 trigger															Jan full phenols...						PHENOLS, TOTAL ug/L
ARSENIC ug/L	10																					ARSENIC ug/L
Lead ug/L	15														21.3 New							Lead ug/L
Chromium ug/L	100																					Chromium ug/L
Turbidity NTUs	y list >100														25							Turbidity NTUs
Chloride mg/L	250																					Chloride mg/L
Sodium mg/L	160																					Sodium mg/L
Also																						Also
Aluminum ug/L				529	color cell with number is current exceed																	Aluminum ug/L
Iron ug/L					color cell no value means exceed in last semi review table																	Iron ug/L
Phenols only GEL-2S is >30 ug/L				16.38--no cell color FYI																		

Testsite Name	Sample Date	LEAD (PB)	Criteria	Measurement Unit	Qualifier
GEL-10CS	7/30/2013	60.2	15	UG/L	
GEL-10CS	8/14/2012	109	15	UG/L	
GEL-10CS	1/26/2012	46.9	15	UG/L	
GEL-10CS	7/19/2011	4.7	15	UG/L	U
GEL-10CS	1/27/2011	4.7	15	UG/L	U
GEL-10CS	7/19/2010	3.1	15	UG/L	U
GEL-10CS	1/27/2010	5.29	15	UG/L	I
GEL-10CS	7/20/2009	3.1	15	UG/L	U
GEL-10CS	7/24/2006	3.5	15	UG/L	U
GEL-10CS	2/2/2006	0.33	15	UG/L	U

Testsite Name	Sample Date	TURBIDITY, FIELD	Criteria	Measurement Unit	Qualifier
GEL-10CS	7/30/2013	19.14	20	NTU	D
GEL-10CS	8/14/2012	95.3	20	NTU	D
GEL-10CS	1/26/2012	283	20	NTU	D
GEL-10CS	7/19/2011	11.2	20	NTU	D
GEL-10CS	1/27/2011	46	20	NTU	D
GEL-10CS	7/19/2010	17.7	20	NTU	D
GEL-10CS	1/27/2010	87	20	NTU	D
GEL-10CS	7/20/2009	14.9	20	NTU	D
GEL-10CS	7/24/2006	19	20	NTU	
GEL-10CS	2/2/2006	4.47	20	NTU	

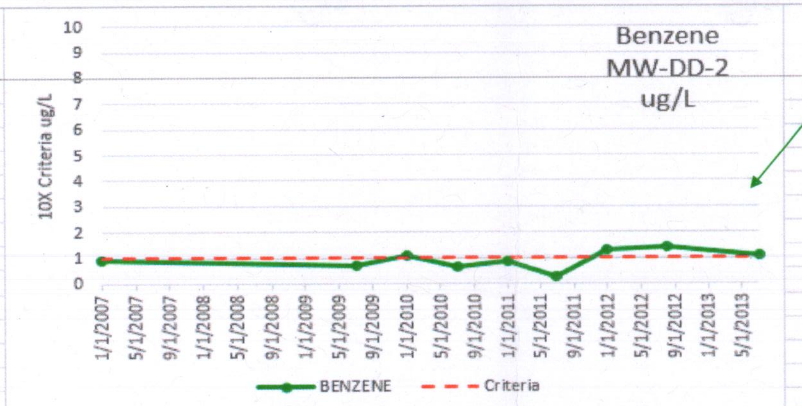


3/6/2014
Kelly Egar noted
10ED 123 ug/L phenols

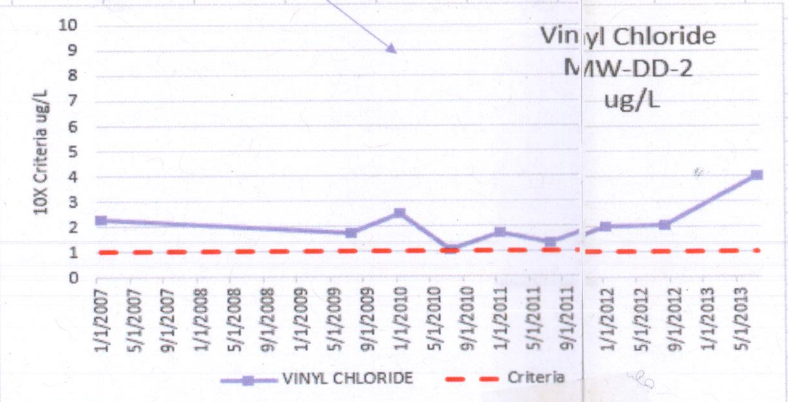
1/2 answer is "new" and another sample the same day is 5 ! ?

arsenic lead

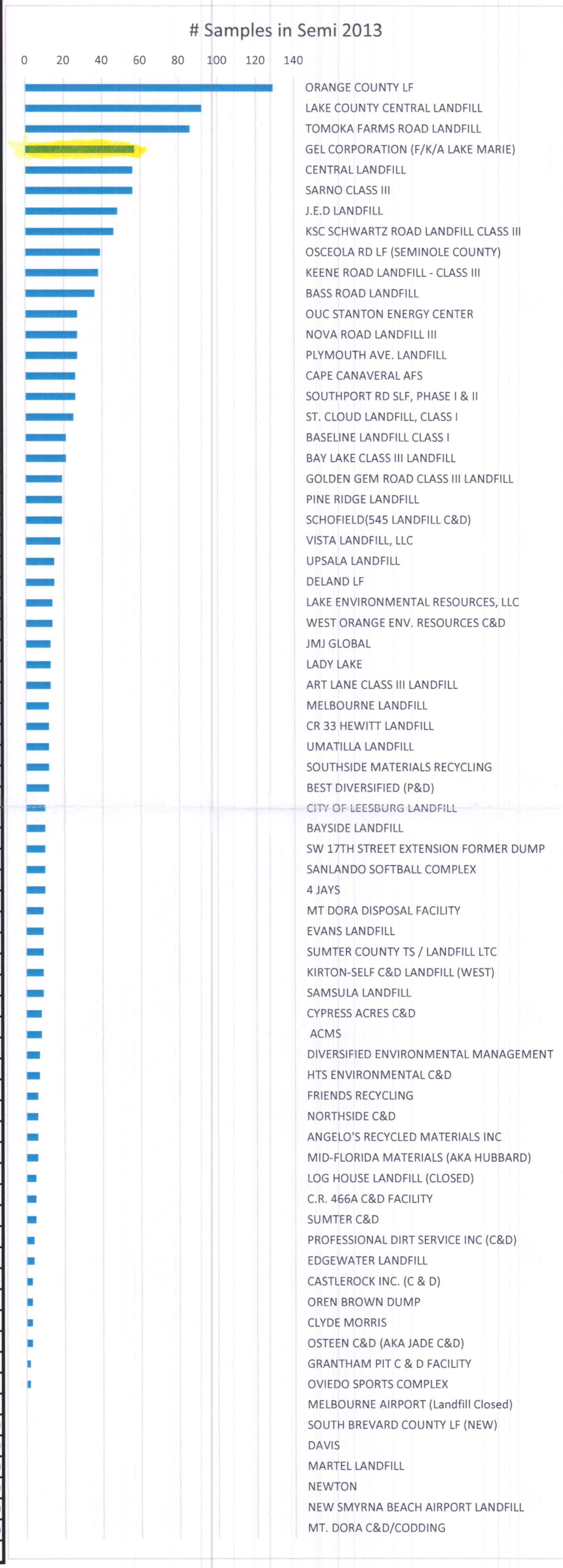
GEL-10DD-2	BENZENE	Criteria	Unit	Qualifier
7/30/2013	1.1	1	UG/L	
8/13/2012	1.4	1	UG/L	
9/27/2012	1.3	1	UG/L	
7/19/2011	0.249	1	UG/L	U
9/26/2011	0.87	1	UG/L	I
7/14/2010	0.652	1	UG/L	I
9/26/2010	1.06	1	UG/L	
7/17/2009	0.71	1	UG/L	I
9/30/2007	0.9	1	UG/L	I



GEL-10DD-2	VINYL CHLORIDE	Criteria	Unit	Qualifier
7/30/2013	4	1	UG/L	
8/13/2012	2.1	1	UG/L	
9/27/2012	2	1	UG/L	
7/19/2011	1.35	1	UG/L	
9/26/2011	1.76	1	UG/L	
7/14/2010	1.09	1	UG/L	
9/26/2010	2.51	1	UG/L	
7/17/2009	1.72	1	UG/L	
9/30/2007	2.3	1	UG/L	J



Solid Waste Facilities With Ground Water Monitoring Wells	# Samples in Semi 2013
ORANGE COUNTY LF	129
LAKE COUNTY CENTRAL LANDI	92
TOMOKA FARMS ROAD LANDFI	86
GEL CORPORATION (F/K/A LAK	57
CENTRAL LANDFILL	56
SARNO CLASS III	56
J.E.D LANDFILL	48
KSC SCHWARTZ ROAD LANDFI	46
OSCEOLA RD LF (SEMINOLE CO	39
KEENE ROAD LANDFILL - CLAS	38
BASS ROAD LANDFILL	36
OUC STANTON ENERGY CENTE	27
NOVA ROAD LANDFILL III	27
PLYMOUTH AVE. LANDFILL	27
CAPE CANAVERAL AFS	26
SOUTHPORT RD SLF, PHASE I &	26
ST. CLOUD LANDFILL, CLASS I	25
BASELINE LANDFILL CLASS I	21
BAY LAKE CLASS III LANDFILL	21
GOLDEN GEM ROAD CLASS III L	19
PINE RIDGE LANDFILL	19
SCHOFIELD(545 LANDFILL C&D	19
VISTA LANDFILL, LLC	18
UPSALA LANDFILL	15
DELAND LF	15
LAKE ENVIRONMENTAL RESOU	14
WEST ORANGE ENV. RESOURC	14
JMJ GLOBAL	13
LADY LAKE	13
ART LANE CLASS III LANDFILL	13
MELBOURNE LANDFILL	12
CR 33 HEWITT LANDFILL	12
UMATILLA LANDFILL	12
SOUTHSIDE MATERIALS RECYC	12
BEST DIVERSIFIED (P&D)	12
CITY OF LEESBURG LANDFILL	10
BAYSIDE LANDFILL	10
SW 17TH STREET EXTENSION F	10
SANLANDO SOFTBALL COMPLE	10
4 JAYS	10
MT DORA DISPOSAL FACILITY	9
EVANS LANDFILL	9
SUMTER COUNTY TS / LANDFIL	9
KIRTON-SELF C&D LANDFILL (V	9
SAMSULA LANDFILL	9
CYPRESS ACRES C&D	8
ACMS	8
DIVERSIFIED ENVIRONMENTAL	7
HTS ENVIRONMENTAL C&D	7
FRIENDS RECYCLING	6
NORTHSIDE C&D	6
ANGELO'S RECYCLED MATERIA	6
MID-FLORIDA MATERIALS (AKA	6
LOG HOUSE LANDFILL (CLOSE	5
C.R. 466A C&D FACILITY	5
SUMTER C&D	5
PROFESSIONAL DIRT SERVICE	4
EDGEWATER LANDFILL	4
CASTLEROCK INC. (C & D)	3
OREN BROWN DUMP	3
CLYDE MORRIS	3
OSTEEN C&D (AKA JADE C&D)	3
GRANTHAM PIT C & D FACILITY	2
OVIEDO SPORTS COMPLEX	2
MELBOURNE AIRPORT (Landfill	0
SOUTH BREVARD COUNTY LF (	0
DAVIS	0
MARTEL LANDFILL	0
NEWTON	0
NEW SMYRNA BEACH AIRPORT	0
MT. DORA C&D/CODDING	



GEL

2013-07 (still current 5/20/2014)

Gel 2013-07												
Area		C&D	C&D	C&D	C&D	C&D	C&D	MW-7 Area	MW-7 Area	NW Area	NW Area	NW Area
JED order & color date sampled 2013-01		1	2	3	4	5	6	7	7.4	8	9	9.4
JED order & color date sampled 2013-07												
MPIS well type												
GEL Report types												
		GEL-1S	GEL-2S	GEL-3S	GEL-4S	GEL-5S	GEL-6S	GEL-7RS	GEL-7AS	GEL-8AS	GEL-9S	GEL-9AS
AMMONIA mg/L	2.8							13.9	In the field I gave them permission ok to sample a dangerous area at the time	5.1		
BENZENE ug/L	1						DRY			1.1		
VINYL CHLORIDE ug/L	1											
Sulfate mg/L	250				516	511						
PHENOLS, TOTAL ug/L	10 trigger interest											
ARSENIC ug/L	10		33.1								35.7	11.6 new
Mercury ug/L	2							No Hg				
Aluminum ug/L	200		674	5,620		521 new		~~but stepout~~			917	3400
Lead ug/L	15			20.3 new				~~was not~~				
Chromium ug/L	100							~~sampled~~			2770 "new"	
Turbidity NTUs	y list >100							~~per DEP~~				
Chloride mg/L	250							~~field OK~~				
Sodium mg/L	160											
Bromodichloromethane	0.6											
Dibromochloromethane	0.4											

									Gel 2013-07
Area	MOP	MOP	MOP	MOP	MOP	MOP	MOP	MOP	Area
JED order & color date sampled 2013-01	10	11	12	13	14	15	16	17	JED order
JED order & color date sampled 2013-07									
MPIS well type									
GEL Report types									
	GEL-10S	GEL-10BS	GEL-10AS	GEL-10DS	GEL-10GS	GEL-10ES	GEL-10CS	GEL-10FS	
AMMONIA mg/L	210	6.3 new	19.1	3.7				18.5	AMMONIA mg/L
BENZENE ug/L	4.5		1.9	1.7				1.4 new	BENZENE ug/L
VINYL CHLORIDE ug/L									VINYL CHLORIDE ug/L
Sulfate mg/L									Sulfate mg/L
PHENOLS, TOTAL ug/L							Sentinel Wells Watch		PHENOLS, TOTAL ug/L
ARSENIC ug/L		14.5 new							ARSENIC ug/L
Mercury ug/L									Mercury ug/L
Aluminum ug/L		272 new	7080	1470	3020	1490	35000	1490	Aluminum ug/L
Lead ug/L							60.2		Lead ug/L
Chromium ug/L									Chromium ug/L
Turbidity NTUs							19.14		Turbidity NTUs
Chloride mg/L									Chloride mg/L
Sodium mg/L	240 new								Sodium mg/L
Bromodichloromethane					5.9 new THM				Bromodichloromethane
Dibromochloromethane					5.5 new THM				Dibromochloromethane

		GEL-1D	GEL-2D	GEL-3D	GEL-4D	GEL-5D	GEL-6D	GEL-7RD	GEL-7AD	GEL-8AD	GEL-9D	GEL-9AD
AMMONIA mg/L	2.8			3.2				78.7(74.1)				
BENZENE ug/L	1							3.3(3.4)				
VINYL CHLORIDE ug/L	1										3.1	
Sulfate mg/L	250			342	341 (506)	498						
PHENOLS, TOTAL ug/L	10 trigger interest											
ARSENIC ug/L	10		16					47.5(44.4)		25.8	23.8	17.5
Aluminum ug/L	200	599					2,260	312(237)				468 new
Lead ug/L	15											
Chromium ug/L	100											
Turbidity NTUs	y list >100											
Chloride mg/L	250							355(365)				
Sodium mg/L	160				166			248(232)				
DICHLOROPROPENE, CIS-1,3	0.4											

	GEL-10D	GEL-10BD	GEL-10AD	GEL-10DD	GEL-10GD	GEL-10ED	GEL-10CD	GEL-10FD	
AMMONIA mg/L	5.7	5.7	38.6		8.6 (9.9)New				AMMONIA mg/L
BENZENE ug/L	1.2		3.4		2.2 (2.6)new				BENZENE ug/L
VINYL CHLORIDE ug/L	3.5		6.6						VINYL CHLORIDE ug/L
Sulfate mg/L									Sulfate mg/L
PHENOLS, TOTAL ug/L						123 New (5 dup)			PHENOLS, TOTAL ug/L
ARSENIC ug/L		15.7							ARSENIC ug/L
Aluminum ug/L		432 new				3350 (266)	1390	1480	Aluminum ug/L
Lead ug/L									Lead ug/L
Chromium ug/L									Chromium ug/L
Turbidity NTUs									Turbidity NTUs
Chloride mg/L	363								Chloride mg/L
Sodium mg/L	215								Sodium mg/L
DICHLOROPROPENE, CIS-1,3									DICHLOROPROPENE, CIS-

		GEL-10AF	GEL-10DD-2	
AMMONIA mg/L	2.8			AMMONIA mg/L
BENZENE ug/L	1		1.1	BENZENE ug/L
VINYL CHLORIDE ug/L	1		4	VINYL CHLORIDE ug/L
Sulfate mg/L	250			Sulfate mg/L
PHENOLS, TOTAL ug/L	10 trigger interest			PHENOLS, TOTAL ug/L
ARSENIC ug/L	10			ARSENIC ug/L
Aluminum ug/L	200			Aluminum ug/L
Lead ug/L	15	21.3 New		Lead ug/L
Chromium ug/L	100			Chromium ug/L
Turbidity NTUs	y list >100	25		Turbidity NTUs
Chloride mg/L	250			Chloride mg/L
Sodium mg/L	160			Sodium mg/L

Also			Also
Aluminum ug/L	529	color cell with number is current exceed	Aluminum ug/L
Iron ug/L		color cell no value means exceed in last semi review table	Iron ug/L