

June 21, 2016

Mr. F. Thomas Lubozynski, P.E.  
Waste Program Administrator  
Solid and Hazardous Waste Program  
Florida Department of Environmental Protection, Central District  
3319 Maguire Boulevard, Suite 232  
Orlando, Florida 32803-3767

Re: 24<sup>th</sup> Semi-Annual Water Quality Monitoring Event - Notice of Exceedances  
J.E.D. Solid Waste Management Facility (JED Facility)  
Omni Waste of Osceola County, LLC  
Permit No. SO49-0199726-022  
WACS Facility ID: 89544

Dear Mr. Lubozynski:

The purpose of this letter is to inform the Florida Department of Environmental Protection (FDEP) that monitoring parameters exceeded the Department's water quality standards in some of the groundwater monitoring wells at the JED Facility during the 24<sup>th</sup> semi-annual water quality monitoring event performed in May 2016. In accordance with 62-701.510(6)(a), Florida Administrative Code (F.A.C.), the Department is being notified of these findings within 14 days of receipt of the analytical laboratory results. A brief summary of the exceeded monitoring parameters are presented below and results provided on the attached Table.

Ammonia - ammonia was reported above the groundwater cleanup target level (GCTL) of 2.8 milligrams per liter (mg/L) in thirteen (13) of the shallow groundwater monitoring wells (i.e., MW-1A, 3A, 4A, 5A, 6A, 7A, 8A, 9A, 10A, 11A, 22AR, 23A and 28A) and five (5) of the intermediate monitoring wells (MW-3B, 4B, 5B, 7B and 10B). Ammonia has been detected in most of these wells during previous sampling events. Based on this historical data, these wells will not be re-sampled for ammonia and the reported concentrations will be considered as representing current conditions.

Benzene – benzene was reported above the GCTL of 1 micrograms per liter (µg/L) in ten (10) of the shallow groundwater monitoring wells (MW-1A, 3A, 4A, 6A, 9A, 10A, 11A, 12A, 13A and 16AR) and two (2) of the intermediate wells (MW-1B and 10B). Benzene has been detected above the GCTL in most of these wells during previous monitoring events at similar concentrations. Based on this historical data, these wells will not be re-sampled and the

reported concentrations will be considered as representing current conditions.

Chloride – chloride was reported above the GCTL of 250 mg/L in monitoring well MW-1A (495 mg/L). MW-1A will not be re-sampled for chloride and the reported concentration will be considered as representing current conditions.

Iron –iron was detected above the GCTL of 300 µg/L in all monitoring wells sampled during this event with the exception of MW-23A and MW-24A. The concentrations ranging from 331 ug/L to 43,000 ug/L. The concentrations are consistent with previous results and will not be re-sampled and the reported concentrations will be considered as representing current conditions.

Sodium – sodium was reported above the GCTL of 160 mg/L in monitoring well MW-1A (318 mg/L). MW-1A will not be re-sampled for sodium and the reported concentration will be considered as representing current conditions.

Total dissolved solids (TDS) – TDS concentrations were reported above the GCTL of 500 mg/L in six (6) shallow groundwater monitoring wells (MW-1A, 2A, 3A, 4A, 8A, and 23A) and eight (8) intermediate monitoring wells (MW-1B, 2B, 3B, 4B, 5B, 7B, 9B and 23B). The reported concentrations will be considered as representing current conditions.

If you have any questions or need additional information, please contact Joe Terry at (813) 943-8633 or by email [joseph.terry@progressivewaste.com](mailto:joseph.terry@progressivewaste.com) or contact the undersigned at (727) 330-9954.

Sincerely,



Matthew Wissler, P.G.  
Senior Hydrogeologist

cc: J. Terry, PWS  
G. DePradine, FDEP  
A. Rainey, FDEP  
M. Heidorn, FDEP

Attachment

Table 3

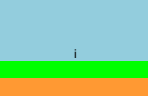
SUMMARY OF GROUNDWATER ANALYTICAL DATA  
23rd SEMI-ANNUAL WATER QUALITY MONITORING EVENT  
J.E.D. SOLID WASTE MANAGEMENT FACILITY

Well ID	Acetone	Benzene	Chlorobenzene	Ethylbenzene	Toluene	Total Xylenes	Arsenic	Barium	Beryllium	Chromium	Cobalt	Copper	Iron	Lead	Nickel	Selenium	Sodium	Vanadium	Vinyl Chloride	Zinc	Ammonia	Chloride	TDS
Screening Criteria	GCTL (ug/L)	PDWS (ug/L)	PDWS (ug/L)	SDWS (ug/L)	SDWS (ug/L)	SDWS (ug/L)	PDWS (ug/L)	PDWS (ug/L)	PDWS (ug/L)	PDWS (ug/L)	GCTL (ug/L)	GCTL (ug/L)	SDWS (ug/L)	PDWS (ug/L)	PDWS (ug/L)	PDWS (ug/L)	PDWS (ug/L)	GCTL (ug/L)	PDWS (ug/L)	SDWS (ug/L)	GCTL (mg/L)	SDWS (mg/L)	SDWS (mg/L)
	6,300	1	100	700	40	20	10	2,000	4	100	420	1,000	300	15	100	50	160,000	49	2	5,000	2.8	250	500
MW-1A	13.4	1.6	0.50	0.50	0.50	1.5	0.76	78.1	0.5	4.2	5.0	2.5	5,840	0.5	8.7	0.63	318,000	18.8	0.50	10.0	9.1	495	1,030
MW-1B	10.0	1.2	0.50	0.50	0.50	1.5	0.88	78.3	0.59	2.5	5.5	2.5	25,600	0.5	4.8	0.50	87,700	5.0	0.50	10.0	2.3	155	581
MW-2A	10.0	0.10	0.50	0.50	0.50	1.5	0.50	91.8	0.50	3.3	6.8	2.5	13,800	0.50	9.1	0.50	64,600	5.0	0.50	10.0	2.3	117	655
MW-2B	10.0	0.10	0.50	0.50	0.50	1.5	0.57	168	0.86	2.5	14.1	2.5	43,000	0.50	2.6	0.50	53,000	5.0	0.50	10.0	1.0	106	672
MW-3A	11.2	5.5	0.50	0.50	0.50	1.5	0.90	108	0.5	3.6	5.0	2.5	5,090	0.50	2.6	0.50	28,300	6.0	0.50	10.0	20.0	13.6	988
MW-3B	10.0	0.1	0.50	0.50	0.50	1.5	0.70	50.9	1.9	2.5	9.4	2.5	28,100	0.50	2.5	0.80	28,800	5.0	0.50	10.0	5.0	55.1	1,180
MW-4A	10.0	1.1	0.50	0.50	0.50	1.5	1.7	84.2	0.50	5.9	5.0	2.5	9,440	0.50	7.6	0.50	53,800	5.0	0.50	18.2	11.5	27.9	789
MW-4B	10.0	0.10	0.50	0.50	0.50	1.5	1.1	41.2	1.7	2.6	5.0	2.5	1,220	0.50	2.5	1.1	51,100	6.3	0.50	10.0	5.4	71.5	3,600
MW-5A	10.0	0.66	0.50	0.50	0.50	1.5	1.2	5.0	0.50	3.7	5.0	2.5	524	0.92	2.5	1.1	12,100	5.0	0.50	10.0	8.8	10.5	213
MW-5B	10.0	0.10	0.50	0.50	0.50	1.5	0.75	54.5	0.67	2.5	5.0	2.5	427	0.50	2.5	1.1	48,200	5.0	0.50	10.0	4.1	86.3	1,890
MW-6A	10.0	3.0	0.50	0.50	0.50	1.5	1.1	6.1	0.50	2.5	5.0	2.5	15,200	0.50	2.5	0.50	24,900	5.0	0.50	10.0	6.1	47.3	210
MW-6B	10.0	0.10	0.50	0.50	0.50	1.5	0.5	24.9	0.50	2.5	5.0	2.5	752	0.50	2.5	0.50	7,570	5.0	0.50	10.0	0.17	14.8	51
MW-7A	10.0	0.10	0.50	0.50	0.50	1.5	0.89	10.4	0.50	2.5	5.0	2.5	6,970	0.50	2.5	0.50	17,100	5.0	0.50	10.0	8.1	34.0	126
MW-7B	10.0	0.10	0.50	0.50	0.50	1.5	0.71	33.8	1.6	2.5	6.4	2.5	34,800	0.50	4.3	0.50	35,400	5.0	0.50	10.0	3.7	27.0	774
MW-8A	10.0	0.10	0.50	0.50	0.50	1.5	0.97	41.6	0.50	5.0	5.0	2.5	22,900	0.88	9.0	0.80	8,620	6.0	0.50	10.0	8.1	7.8	1,620
MW-8B	10.0	0.10	0.50	0.50	0.50	1.5	0.64	74.3	0.57	2.5	7.1	2.5	40,300	0.50	3.1	0.65	36,400	5.0	0.50	10.0	0.81	36.7	802
MW-9A	10.0	12.0	0.50	0.50	0.50	1.5	1.7	5.0	0.50	2.5	5.0	2.5	687	0.50	2.5	0.50	36,800	5.0	0.50	10.0	5.9	12.3	179
MW-9B	10.0	0.10	0.50	0.50	0.50	1.5	0.5	31.3	1.1	3.1	5.0	2.5	16,600	0.50	2.5	0.53	22,900	5.0	0.50	10.0	1.5	33.9	475
MW-10A	10.0	5.0	0.50	0.50	0.50	1.5	1.1	16.9	0.50	2.5	5.0	2.5	1,740	0.50	2.5	0.50	34,700	5.0	0.50	10.0	7.3	26.9	263
MW-10B	10.0	5.8	0.50	0.50	0.50	1.5	1.4	31.8	1.1	2.5	8.1	2.5	11,400	0.50	2.5	0.50	22,000	5.0	0.50	10.0	5.0	36.3	489
MW-11A	10.0	8.4	1.2	0.50	0.50	1.5	0.85	31.8	0.50	2.5	5.0	2.5	1,560	0.50	2.5	0.50	7,020	5.0	0.50	10.0	4.0	8.5	277
MW-11A DUP	10.0	8.4	1.1	0.50	0.50	1.5	0.81	55.8	0.50	2.5	5.0	2.5	1,580	0.50	2.5	0.50	7,220	5.0	0.50	10.0	4.1	8.5	289
MW-11B	10.0	0.10	0.50	0.50	0.50	1.5	1.5	18.8	0.50	2.5	5.0	2.5	331	1.8	2.5	0.69	12,600	5.0	0.50	10.0	0.021	9.8	77
MW-12A	10.0	4.3	0.50	0.50	0.50	1.5	1.0	20.0	0.50	2.5	5.0	2.5	2,200	0.50	2.5	0.50	13,800	5.0	0.50	10.0	0.74	22.4	114
MW-12B	10.0	0.10	0.50	0.50	0.50	1.5	0.67	22.5	0.50	2.5	5.0	2.5	768	0.50	2.5	0.50	8,050	5.0	0.50	10.0	0.11	14.0	63.0
MW-13A	10.0	1.5	0.50	0.50	0.50	1.5	5.60	83.9	0.50	2.7	5.0	2.5	12,900	0.50	2.5	0.50	86,800	5.0	0.50	10.0	2.5	166	63.0
MW-13B	10.0	0.10	0.50	0.50	0.50	1.5	0.5	17.7	0.50	2.5	5.0	2.5	1,350	0.50	2.5	0.50	12,500	5.0	0.50	10.0	0.16	24.2	74.0
MW-16AR	10.0	1.2	0.50	0.50	0.50	1.5	0.79	51.3	0.50	3.5	5.0	2.5	1,220	0.50	2.5	0.72	25,000	5.0	0.50	10.0	0.80	90.6	368
MW-16BR	10.0	0.10	0.50	0.50	0.50	1.5	0.50	13.7	0.50	2.5	5.0	2.5	908	0.50	2.5	0.50	5,730	5.0	0.50	10.0	0.18	8.6	48.0
MW-17AR	10.0	0.10		0.50	0.50	1.5	0.63	57.8	0.50	16.4	5.0	2.5	1,800	0.50	8.7	0.50	15,500	5.0	0.62	10.0	1.7	9.3	106
MW-17BR	10.0	0.10	0.50	0.21	0.50	1.5	0.52	23.7	0.50	2.5	5.0	2.5	1,160	0.50	2.5	0.50	23,200	5.0	0.50	10.0	0.17	37.6	97.0
MW-22AR	10.0	0.15	0.50	0.50	0.50	1.5	1.0	35.8	0.50	3.3	5.0	2.5	503	0.50	2.5	1.3	14,300	5.0	0.50	10.0	4.3	10.7	662
MW-22BR	10.0	0.10	0.50	0.50	0.50	1.5	0.50	118	0.57	2.5	7.5	2.5	20,100	0.50	2.5	0.50	36,400	5.0	0.50	10.0	0.42	21.7	281
MW-23A	10.0	0.32	0.50	0.50	0.50	1.5	0.77	31.1	0.50	2.5	5.0	2.5	152	0.50	2.5	0.50	87,200	5.0	0.50	10.0	4.4	158	572
MW-23B	11.7	0.10	0.50	0.50	0.50	1.5	0.54	106	0.54	3.1	5.0	2.5	2,630	0.50	2.5	0.50	84,100	5.7	0.50	10.0	2.4	166	525
MW-24A	10.0	0.10	0.50	0.50	0.50	1.5	0.50	5.8	0.50	2.5	5.0	2.5	286	0.50	2.5	0.50	7,940	1.7	0.50	10.0	0.071	9.6	55.0
MW-24B	10.0	0.10	0.50	0.50	0.50	1.5	0.50	9.4	0.50	2.5	5.0	2.5	450	0.50	2.5	0.50	4,850	5.0	0.50	10.0	0.087	6.7	39.0
MW-25A	10.0	0.10	0.50	0.50	0.50	1.5	1.2	79.2	0.50	2.5	5.0	2.5	7,660	0.50	2.5	0.50	4,850	5.0	0.50	10.0	1.6	54.5	239
MW-25B	10.0	0.10	0.50	0.50	0.50	1.5	1.6	114	0.50	7.3	5.0	2.5	1,470	3.9	2.5	2.7	13,700	15.6	0.50	10.0	0.20	20.8	142
MW-26A	10.0	0.10	0.50	0.50	0.50	1.5	0.99	18.7	0.50	2.5	5.0	2.5	2,860	0.50	2.5	0.50	13,900	5.0	0.50	10.0	0.73	22	126
MW-26B	10.0	0.10	0.50	0.50	0.50	1.5	0.50	20.5	0.50	4.1	5.0	2.5	1,330	0.50	2.5	0.50	10,100	5.0	0.50	10.0	0.30	14.4	95.0
MW-27A	10.0	0.10	0.50	0.50	0.50	1.5	0.85	10.2	0.50	2.5	5.0	2.5	569	0.50	2.5	0.50	13,800	5.0	0.50	10.0	1.1	8.8	65.0
MW-27B	10.0	0.10	0.50	0.50	0.50	1.5	1.3	95.2	0.50	9.1	5.0	2.5	1,160	8.6	2.5	3.5	26,400	11.5	0.50	10.0	0.056	35.3	195
MW-28A	10.0	0.10	0.50	0.50	1.2	1.5	1.5	6.0	0.50	2.5	5.0	2.5	1,820	0.88	3.6	0.91	13,500	8.0	0.50	10.0	4.7	19.3	154
MW-28B	10.0	0.10	0.50	0.50	1.7	1.5	0.94	34.9	0.50	2.5	5.0	2.5	1,540	0.50	2.5	0.58	15,600	5.0	0.50	10.0	0.093	24.2	102
MW-29A	10.0	0.10	0.50	0.50	0.50	1.5	0.50	19.2	0.50	2.5	5.0	2.5	3,520	0.50	2.5	0.50	7,860	5.0	0.50	10.0	1.6	8.8	137
MW-29B	10.0	0.10	0.50	0.50	0.50	1.5	0.60	89.7	0.50	8.1	5.0	2.5	3,090	0.50	4.5	0.50	24,800	3.1	0.50	10.0	0.092	30.3	161

NOTES:

The Reported Value is between the Laboratory Method Detection Limit (MDL) and the Laboratory Practical Quantitation Limit (PQL).  
Detect  
Exceeds Screening Criteria

Only parameters with detections above the Method Reporting Limit are shown.



u = indicates that the compound was analyzed for but not detected at or above the value shown  
\* = value is the total recoverable concentration; due to high turbidity a filtered sample was collected for dissolved metals analysis only. Filtered result was less than the GCTL.  
v = indicates the analyte was detected in both the sample and the associated method blank.

PDWS = primary drinking water standard

SDWS = secondary drinking water standard  
GCTL = groundwater cleanup target levels  
ug/L = micrograms per liter  
mg/L = milligrams per liter