GREY
ENGINEERING, INC.

December 30, 2015

Compliance Unit
NCDENR-DWM, Solid Waste Section

1646 Mail Service Center
Raleigh, NC 27699-1646

RECEIVED
JAN - 5 2016
SOLID WASTE SECTION

Re: MSW Landfill Monitoring
Davie County MSW Landfill
360 Dalton Rd, Mocksville
Project #202.019

Dear Sir/Madam:

With Respect to the closed Davie County MSW Landfill, permit #30-01, and the closed Davie County C&D Landfill, permit #30-03, the following information is included on the enclosed CD: field collection reports, laboratory analysis report; exceedance summary table with history; detection summary table with history; MSW Landfill environmental monitoring reporting form; C&D Landfill environmental monitoring reporting form; vicinity map and monitoring well location map. The sampling was conducted on November 17-18, 2015.

All surface water sampling sites and C&D monitoring wells are compliant.

With respect to MSW compliance network monitoring wells, you will note that according to the Exceedance Summary Table, compliance monitoring wells **MW-4** (Benzene, Vinyl Chloride) **MW-16D** (Benzene, Tetrachloroethene, Trichloroethene, Vinyl Chloride) show network monitoring well 2L exceedances.

Several special Nature and Extent wells that are not part of the normal compliance network were sampled (see the sampling map provided). 2L exceedance was detected in well **MW-19D** (Tetrachloroethene, Vinyl Chloride).

You will further note that **MW-22,** a special well on the adjacent property down gradient from **MW-16D** and **MW 19-D** shows no exceedances.

In the past, the County has coordinated with State Representatives in its response strategy and intends to continue that coordination in the near future.

If you should have any questions, do not hesitate to contact me.

Sincerely,
Grey Engineering, Inc

John C. Grey, PE

Cc: Mr. Johnny Lambert, Davie County Utilities Director
Mr. Ed Henriques, S&ME, Environmental Department Manager

P.O. Box 9 • Mocksville, NC 27028 • Phone: (336) 751-2110 • Fax: (336) 751-6348 • www.greyengineering.com

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

RECEIVED
JAN - 5 2016
SOLID WASTE SECTION

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Grey Engineering, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: John C. Grey, Jr., PE Phone: 336-751-2110

E-mail: jgrey@greyengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Davie County MSW Landfill	360 Dalton Rd., Mocksville, NC 27028	30-01	.0500	November 17, 2015

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

John C. Grey, Jr., PE — President — 336-751-2110

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Signature — 12-30-2015 Date — Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL SEAL 015407 ENGINEER JOHN C. GREY, JR.

12/30/15

Post Office Box 9, Mocksville, NC 27028

Facility Representative Address

C-0909

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

DENR USE ONLY ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Grey Engineering, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: John C. Grey, Jr., PE Phone: 336-751-2110

E-mail: jgrey@greyengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Davie County C&D Landfill	360 Dalton Rd., Mocksville, NC 27028	30-03	.0500	November 18, 2015

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☐ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

Notification attached?

☒ No. No groundwater or surface water standards were exceeded.
☐ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

John C. Grey, Jr., PE — President — 336-751-2110

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Signature — 12-30-2015 Date — Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA PROFESSIONAL SEAL 015407 ENGINEER JOHN C. GREY, JR.

12/30/15

Post Office Box 9, Mocksville, NC 27028

Facility Representative Address

C-0909

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

Davie County MSW Landfill Monitoring
November 2015 Sampling Event
Exceedance Summary Table With History

WELL ID	SWID	CAS	PARAMETER	Apr-11 RESULT	Nov-11 RESULT	Apr-12 RESULT	Nov-12 RESULT	Jun-13 RESULT	Nov-13 RESULT	May-14 RESULT	Nov-14 RESULT	May-15 RESULT	Nov-15 RESULT	Code	MDL	MRL	SWSL	2L	GWP	Units	pH
MW-3	51	7440-47-3	Chromium	ND	ND	5.60	ND	ND	10.30	9.91	ND	4.96	1.69	J	1.000	10.0	10	10		ug/L	7.04
MW-4	199	106-46-7	1,4- Dichlorobenzene	4.40	3.80	1.70	3.00	1.00	1.00	0.63	3.50	2.70	5.00		0.100	1.0	1	6	70.0	ug/L	6.22
MW-4	16	108-90-7	Benzene	2.50	2.40	1.80	2.10	1.10	1.40	ND	1.60	1.10	1.90		0.050	1.0	1	1	NE	ug/L	6.22
MW-4	78	156-59-2	cis-1,2-Dichloroethene	9.20	6.20	2.50	9.80	0.88	5.00	ND	5.10	4.60	5.60		0.075	1.0	5	70	NE	ug/L	6.22
MW-4	66	124-48-1	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.100	1.0	1.0	0.4	0.41	ug/L	6.22
MW-4	201	79-01-6	Trichloroethene	ND	ND	ND	0.46	ND	ND	ND	ND	ND	ND		0.130	1.0	1	3	NE	ug/L	6.22
MW-4	211	75-01-4	Vinyl chloride	ND	ND	0.49	ND	ND	ND	ND	ND	ND	0.54	J	0.083	1.0	1	0.03	NE	ug/L	6.22
MW-7	34	7440-43-9	Cadmium	ND	1.14	ND	1.87	ND	ND	ND	1.40	ND	ND		0.36	1.0	1	2		ug/L	6.68
MW-7	131	7439-92-1	Lead	ND	6.91	ND	ND	ND	ND	ND	2.69	ND	3.73	J	1.90	10.0	10	15	NE	ug/L	6.68
MW-9	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	ND	2.49	2.78	ND	ND		0.36	1.0	1	2		ug/L	6.68
MW-9	51	7440-47-3	Chromium	1.73	1.69	1.58	ND	1.44	17.60	ND	89.40	5.22	ND		1.000	10.0	10	10		ug/L	7.04
MW-13A*	51	7440-47-3	Chromium	5.01	15.60	15.60	9.49	5.17	12.50	3.67	6.57	5.85	2.77	J	1.000	10.0	10	10		ug/L	7.04
MW-16D	16	71-43-2	Benzene	1.50	1.60	1.40	ND	2.20	ND	1.90	2.40	2.10	2.20		0.200	1.0	1	1	NE	ug/L	6.16
MW-16D	137	75-09-2	Methylene chloride	1.50	1.60	1.60	1.50	1.60	ND	ND	ND	0.91	1.60		0.530	2.0	1	5	2.6	ug/L	6.16
MW-16D	192	127-18-4	Tetrachloroethene	2.90	3.00	3.20	3.70	3.90	1.20	4.20	4.20	4.80	4.90		0.099	1.0	1	0.7	NE	ug/L	6.16
MW-16D	201	79-01-6	Tricholorethene	1.70	2.10	2.00	2.50	2.80	0.86	2.80	3.20	3.10	3.60		0.380	1.0	1	3	NE	ug/L	6.16
MW-16D	211	75-01-4	Vinyl Chloride	ND	0.68	0.81	1.20	1.00	ND	1.70	1.10	0.88	1.50		0.083	1.0	1	0.03	NE	ug/L	6.16
MW-17	51	7440-47-3	Chromium	ND	ND	13.6	4.40	16.70	ND	ND	1.91	9.60	ND		1.000	10.0	10	10		ug/L	7.04
MW-17	131	7439-92-1	Lead	ND	ND	23.4	7.88	22.60	ND	ND	ND	3.60	ND		1.90	10.0	10	15	NE	ug/L	6.68
MW-19D**	192	127-18-4	Tetrachloroethene	ND	2.70	2.50	3.10	2.40	2.80	2.60	2.60	3.10	2.60		0.099	1.0	1	0.7	NE	ug/L	6.48
MW-19D**	211	75-01-4	Vinyl chloride	ND	ND	ND	ND	ND	0.47	0.76	0.63	ND	0.49	J	0.083	1.0	1	0.03	NE	ug/L	6.22
MW-21**	16	108-90-7	Benzene	ND	14.00	ND	ND	ND	ND	ND	ND	ND	ND		0.050	1.0	1	1	NE	ug/L	6.84
MW-21**	51	7440-47-3	Chromium	ND	13.20	3.28	ND	ND	ND	ND	ND	4.51	ND		1.000	10.0	10	10		ug/L	6.84

* Background Well
** Nature and Extent Wells

Davie County MSW Landfill Semi-Annual Monitoring
November 2015 Sampling Event
Detection Summary Table with History

WELL ID	SWID	CAS	PARAMETER	Apr-11 RESULT	Nov-11 RESULT	Apr-12 RESULT	Nov-12 RESULT	Jun-13 RESULT	Nov-13 RESULT	May-14 RESULT	Nov-14 RESULT	May-15 RESULT	Nov-15 RESULT	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-2	199	106-46-7	1,4- Dichlorobenzene	ND	ND	0.54	0.59	ND	ND	ND	0.60	0.49	ND		0.380	1.0	1	6		ug/L
MW-2	3	67-64-1	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
MW-2	14	7440-38-2	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-2	15	7440-39-3	Barium	76.3	96.60	107.00	99.30	87.00	96.00	40.20	102.00	97.30	49.80	J	1.000	10.0	100	700		ug/L
MW-2	16	71-43-2	Benzene	ND	ND	ND	0.42	ND	ND	ND	ND	ND	ND		0.200	1.0	1	1		ug/L
MW-2	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	0.48	ND	ND	ND	ND		0.090	1.0	1	2		ug/L
MW-2	41	75-00-3	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.300	1.0	10	3000		ug/L
MW-2	137	74-87-3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.300	1.0	10.0	3		ug/L
MW-2	51	7440-47-3	Chromium	ND	ND	2.09	ND	ND	ND	ND	ND	4.32	ND		1.000	10.0	10	10		ug/L
MW-2	78	156-59-2	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.360	1.0	5	70		ug/L
MW-2	131	7439-92-1	Lead	2.03	ND	ND	1.92	ND	ND	ND	ND	ND	ND		1.900	10.0	10	15		ug/L
MW-2	184	7440-22-4	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.16	J	1.900	10.0	10	20		ug/L
MW-3	199	106-46-7	1,4- Dichlorobenzene	0.91	1.20	0.89	1.10	ND	0.83	0.68	1.20	0.51	ND		0.380	1.0	1	6		ug/L
MW-3	3	67-64-1	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
MW-3	14	7440-38-2	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-3	15	7440-39-3	Barium	18.0	25.30	28.60	24.90	27.20	64.70	62.30	40.20	35.10	19.90	J	1.000	10.0	100	700		ug/L
MW-3	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.090	1.0	1	2		ug/L
MW-3	39	108-90-7	Chlorobenzene	ND	1.50	0.83	1.60	ND	0.75	0.46	1.40	0.41	ND		0.270	1.0	3	50		ug/L
MW-3	137	74-87-3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.300	1.0	10.0	3		ug/L
MW-3	51	7440-47-3	Chromium	ND	ND	5.60	ND	ND	10.30	9.91	9.19	4.96	1.69	J	1.000	10.0	10	10		ug/L
MW-3	131	7439-92-1	Lead	2.66	ND	3.21	ND	ND	6.17	7.91	3.09	ND	3.72	J	1.900	10.0	10	15		ug/L
MW-3	183	7782-49-2	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		3.400	10.0	10	20		ug/L
MW-4	75	75-34-3	1,1-Dichloroethane	3.1	2.50	1.20	3.00	0.42	1.00	ND	1.10	0.70	1.70	J	0.050	1.0	5	6		ug/L
MW-4	199	106-46-7	1,4- Dichlorobenzene	4.4	3.80	1.70	4.30	1.00	2.40	0.63	3.50	2.70	5.00		0.100	1.0	1	6		ug/L
MW-4	14	7440-38-2	Arsenic	ND	3.75	ND	ND	ND	ND	ND	5.67	ND	ND		2.800	10.0	10	10		ug/L
MW-4	3	67-64-1	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
MW-4	15	7440-39-3	Barium	110.0	124.00	112.00	125.00	76.70	106.00	71.70	118.00	94.40	301.00		1.000	10.0	100	700		ug/L
MW-4	16	108-90-7	Benzene	2.5	2.40	1.80	2.10	1.10	1.40	ND	1.50	1.10	1.90		0.050	1.0	1	1		ug/L
MW-4	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	0.59	ND	ND	ND	ND		0.360	1.0	1	2		ug/L
MW-4	39	108-90-7	Chlorobenzene	1.20	1.20	0.96	1.30	0.74	1.40	ND	1.60	1.50	1.80	J	0.069	1.0	3	50		ug/L
MW-4	41	75-00-3	Chloroethane	ND	1.70	ND	ND	ND	ND	ND	ND	ND	1.50	J	0.180	1.0	10	3000		ug/L
MW-4	137	74-87-3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.340	1.0	1.0	3		ug/L
MW-4	51	7440-47-3	Chromium	ND	ND	1.04	ND	ND	ND	ND	ND	4.08	ND		1.000	10.0	10	10		ug/L
MW-4	78	156-59-2	cis-1,2-Dichloroethene	9.20	6.20	2.50	9.80	0.88	5.00	ND	5.10	4.60	5.60		0.075	1.0	5	70		ug/L
MW-4	66	124-48-1	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.320	1.0	3.0	0.4		ug/L
MW-4	79	156-60-5	trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.340	1.0	5	100		ug/L
MW-4	131	7439-92-1	Lead	ND	ND	ND	ND	ND	ND	2.28	ND	ND	ND		1.900	10.0	10	15		ug/L
MW-4	201	79-01-6	Trichloroethene	ND	ND	ND	0.46	ND	ND	ND	ND	ND	ND		0.130	1.0	1	3		ug/L

Davie County MSW Landfill Semi-Annual Monitoring
November 2015 Sampling Event
Detection Summary Table with History

WELL ID	SWID	CAS	PARAMETER	Apr-11 RESULT	Nov-11 RESULT	Apr-12 RESULT	Nov-12 RESULT	Jun-13 RESULT	Nov-13 RESULT	May-14 RESULT	Nov-14 RESULT	May-15 RESULT	Nov-15 RESULT	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-4	211	75-01-4	Vinyl chloride	ND	ND	0.49	ND	ND	ND	ND	ND	ND	0.54	J	0.083	1.0	1	0.03		ug/L
MW-4	183	7782-49-2	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		3.400	10.0	10	20		ug/L
MW-4	184	7440-22-4	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.94	J	1.900	10.0	10	20		ug/L
MW-13A*	15	7440-39-3	Barium	11.80	44.90	15.00	20.90	13.60	26.90	14.60	22.10	9.55	20.60	J	1.000	10.0	100	700		ug/L
MW-13A*	137	74-87-3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.300	1.0	10.0	3		ug/L
MW-13A*	51	7440-47-3	Chromium	5.01	15.60	15.60	9.49	5.17	12.50	3.67	6.57	5.85	2.77	J	1.000	10.0	10	10		ug/L
MW-13A*	131	7439-92-1	Lead	4.27	8.09	6.71	6.24	2.96	6.66	ND	ND	ND	6.37	J	1.900	10.0	10	15		ug/L
MW-16S	75	75-34-3	1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND		0.050	1.0	5	6		ug/L
MW-16S	3	67-64-1	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
MW-16S	14	7440-38-2	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-16S	15	7440-39-3	Barium	51.30	83.90	82.90	42.10	107.00	56.60	96.00	58.10	99.60	132.00	J	1.000	10.0	100	700		ug/L
MW-16S	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.360	1.0	1	2		ug/L
MW-16S	137	74-87-3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.300	1.0	10.0	3		ug/L
MW-16S	51	7440-47-3	Chromium	2.25	3.31	3.57	1.83	4.29	2.98	4.11	2.54	7.93	ND		1.000	10.0	10	10		ug/L
MW-16S	78	156-59-2	cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	0.42	ND	ND		0.075	1.0	5	70		ug/L
MW-16S	131	7439-92-1	Lead	3.17	2.97	4.47	2.48	2.35	ND	7.96	ND	4.52	9.15	J	1.900	10.0	10	15		ug/L
MW-16S	183	7782-49-2	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.700	10.0	10	20		ug/L
MW-16S	192	127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	0.43	ND		0.099	1.0	1	0.7		ug/L
MW-16D	75	75-34-3	1,1-Dichloroethane	4.40	4.40	4.30	4.40	4.60	2.60	5.60	5.80	4.40	4.60	J	0.050	1.0	5	6		ug/L
MW-16D	77	75-35-4	1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.140	1.0	5	7		ug/L
MW-16D	199	106-46-7	1,4-Dichlorobenzene	1.10	1.10	1.40	1.10	1.70	ND	2.00	1.80	1.90	2.00		0.100	1.0	1	6		ug/L
MW-16D	15	7440-39-3	Barium	95.10	95.30	99.90	102.00	118.00	99.50	124.00	119.00	125.00	126.00		1.00	10.0	100	700		ug/L
MW-16D	16	71-43-2	Benzene	1.50	1.60	1.40	ND	2.20	ND	1.90	2.40	2.10	2.20		0.050	1.0	1	1		ug/L
MW-16D	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	0.40	ND	ND	ND	ND		0.360	1.0	1	2		ug/L
MW-16D	41	75-00-3	Chloroethane	ND	0.95	ND	ND	1.60	ND	2.50	ND	ND	ND		0.180	1.0	10	3000		ug/L
MW-16D	137	74-87-3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.300	1.0	10.0	3		ug/L
MW-16D	51	7440-47-3	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	4.03	ND		1.000	10.0	10	10		ug/L
MW-16D	78	156-59-2	cis-1,2-Dichloroethene	6.20	8.10	8.50	10.00	12.00	3.20	14.00	21.00	22.00	25.00		0.075	1.0	5	70		ug/L
MW-16D	131	7439-92-1	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.600	10.0	10	15		ug/L
MW-16D	137	75-09-2	Methylene chloride	1.50	1.60	1.60	1.50	1.60	ND	ND	ND	0.91	1.60		0.070	1.0	1	5		ug/L
MW-16D	212	95-47-6	o-Xylene	ND	ND	ND	0.40	0.45	ND	ND	ND	ND	ND		0.088	1.0	NE	500		ug/L
MW-16D	184	7440-22-4	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.38	J	1.900	10.0	10	20		ug/L
MW-16D	192	127-18-4	Tetrachloroethene	2.90	3.00	3.20	3.70	3.90	1.20	4.20	4.20	4.80	4.90		0.099	1.0	1	0.7		ug/L
MW-16D	346	1330-20-7	Total Xylenes	ND	ND	ND	ND	0.45	ND	ND	ND	ND	ND		0.220	1.0	5	500		ug/L
MW-16D	79	156-60-5	trans-1,2-Dichloroethene	ND	ND	0.46	0.43	0.60	ND	0.82	0.63	0.56	0.63	J	0.340	1.0	5	100		ug/L
MW-16D	201	79-01-6	Trichloroethene	1.70	2.10	2.00	2.50	2.80	0.86	2.80	3.20	3.10	3.60		0.130	1.0	1	3	NE	ug/L
MW-16D	201	75-69-4	Trichloroflouromethane	ND	ND	0.46	ND	ND	ND	0.45	ND	ND	ND		0.150	1.0	1	2000		ug/L

Davie County MSW Landfill Semi-Annual Monitoring
November 2015 Sampling Event
Detection Summary Table with History

WELL ID	SWID	CAS	PARAMETER	Apr-11 RESULT	Nov-11 RESULT	Apr-12 RESULT	Nov-12 RESULT	Jun-13 RESULT	Nov-13 RESULT	May-14 RESULT	Nov-14 RESULT	May-15 RESULT	Nov-15 RESULT	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-16D	211	75-01-4	Vinyl Chloride	ND	0.68	0.81	1.20	1.00	ND	1.70	1.10	0.88	1.50		0.083	1.0	1	0.03		ug/L
MW-17	15	7440-39-3	Barium	71.20	101.00	189.00	104.00	240.00	55.90	5.80	52.70	108.00	116.00		1.000	10.0	100	700		ug/L
MW-17	34	7440-43-9	Cadmium	1.07	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.090	1.0	1	2		ug/L
MW-17	137	74-87-3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.300	1.0	10.0	3		ug/L
MW-17	51	7440-47-3	Chromium	2.64	4.64	13.60	4.40	16.70	ND	ND	1.91	9.60	ND		1.000	10.0	10	10		ug/L
MW-17	199	106-46-7	1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53	J	0.075	1.0	5	70		ug/L
MW-17	131	7439-92-1	Lead	5.19	6.68	23.40	7.88	22.60	ND	ND	ND	3.60	ND		1.900	10.0	10	15		ug/L
MW-17	183	7782-49-2	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.700	10.0	10	20		ug/L
MW-17	192	127-18-4	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48	J	0.099	1.0	1	0.7		ug/L
MW-17	201	79-01-6	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	J	0.130	1.0	1	3	NE	ug/L
MW-18	14	7440-38-2	Arsenic	3.38	ND	ND	ND	ND	ND	ND	6.51	ND	ND		2.800	10.0	10	10		ug/L
MW-18	15	7440-39-3	Barium	13.7	7.27	11.00	6.64	12.70	5.95	ND	6.31	13.90	7.82	J	1.000	10.0	100	700		ug/L
MW-18	137	74-87-3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.300	1.0	10.0	3		ug/L
MW-18	34	7440-43-9	Cadmium	0.72	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.090	1.0	1	2		ug/L
MW-18	51	7440-47-3	Chromium	3.49	1.38	2.53	3.07	1.97	1.42	1.40	1.55	7.34	ND		1.000	10.0	10	10		ug/L
MW-18	131	7439-92-1	Lead	4.98	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.900	10.0	10	15		ug/L
MW-18	184	7440-22-4	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.03	J	1.900	10.0	10	20		ug/L
MW-18	186	100-42-5	Styrene	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND		0.053	1.0	1.0	1000		ug/L
MW-18	196	108-88-3	Toluene	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND		0.850	1.0	1.0	20		ug/L
MW-19S**	14	7440-38-2	Arsenic	ND	4.07	ND	ND	ND	ND	ND	8.53	ND	ND		2.800	10.0	10	10		ug/L
MW-19S**	15	7440-39-3	Barium	ND	65.90	52.40	69.10	54.30	84.80	50.00	147.00	52.50	76.60	J	1.000	10.0	10	700		ug/L
MW-19S**	51	7440-47-3	Chromium	ND	1.54	ND	ND	ND	ND	ND	ND	4.18	ND		1.000	10.0	10	10		ug/L
MW-19S**	184	7440-22-4	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.33	J	1.900	10.0	10	20		ug/L
MW-19S**	346	1330-20-7	Total Xylenes	ND	ND	ND	ND	ND	0.46	ND	ND	ND	ND		0.220	1.0	5	500		ug/L
MW-19D**	75	75-34-3	1,1-Dichloroethane	ND	3.00	2.40	2.70	2.60	3.20	3.30	3.80	2.80	3.00	J	0.050	1.0	5	6		ug/L
MW-19D**	199	106-46-7	1,4-Dichlorobenzene	ND	0.81	0.74	0.74	0.79	1.00	0.83	1.20	1.00	1.10		0.100	1.0	1	6		ug/L
MW-19D**	15	7440-39-3	Barium	ND	36.80	39.70	37.30	41.00	43.10	43.90	45.20	46.70	48.10	J	1.000	10.0	10	700		ug/L
MW-19D**	16	108-90-7	Benzene	ND	0.74	0.52	0.66	0.63	0.79	ND	0.81	0.72	0.80	J	0.050	1.0	1	1		ug/L
MW-19D**	51	7440-47-3	Chromium	ND	ND	2.93	ND	ND	ND	ND	ND	4.18	ND		1.000	10.0	10	10		ug/L
MW-19D**	78	156-59-2	cis-1,2-Dichloroethene	ND	5.80	4.90	5.60	6.50	7.10	5.80	9.10	9.00	8.80		0.075	1.0	5	70		ug/L
MW-19D**	184	7440-22-4	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.48	J	1.900	10.0	10	20		ug/L
MW-19D**	192	127-18-4	Tetrachloroethene	ND	2.70	2.50	3.10	2.40	2.80	2.60	2.60	3.10	2.60		0.099	1.0	1	0.7		ug/L
MW-19D**	201	79-01-6	Trichloroethene	ND	1.80	1.50	1.30	2.00	1.80	2.10	2.10	2.10	2.00		0.130	1.0	1	3		ug/L
MW-19D**	211	75-01-4	Vinyl Chloride	ND	ND	ND	ND	ND	0.47	0.76	0.63	ND	0.49	J	0.083	1.0	1	0.03		ug/L
MW-21**	15	7440-39-3	Barium	ND	22.80	12.20	11.20	13.00	12.50	12.90	12.40	12.40	28.10	J	1.000	10.0	10	700		ug/L
MW-21**	16	108-90-7	Benzene	ND	14.00	ND	ND	ND	ND	ND	ND	ND	ND		0.050	1.0	1	1		ug/L
MW-21**	51	7440-47-3	Chromium	ND	13.20	3.28	ND	ND	ND	ND	ND	4.51	ND	J	1.000	10.0	10	10		ug/L

Davie County MSW Landfill Semi-Annual Monitoring
November 2015 Sampling Event
Detection Summary Table with History

WELL ID	SWID	CAS	PARAMETER	Apr-11 RESULT	Nov-11 RESULT	Apr-12 RESULT	Nov-12 RESULT	Jun-13 RESULT	Nov-13 RESULT	May-14 RESULT	Nov-14 RESULT	May-15 RESULT	Nov-15 RESULT	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-21**	131	7439-92-1	Lead	ND	**4.20**	ND	ND	ND	ND	ND	ND	ND	ND		1.900	10.0	10	15		ug/L
MW-21**	184	7440-22-4	Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.18**	J	1.900	10.0	10	20		ug/L
SW-1	3	67-64-1	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
SW-1	14	7440-38-2	Arsenic	**2.82**	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
SW-1	15	7440-39-3	Barium	**19.30**	**27.20**	**24.00**	**23.60**	**26.50**	**16.70**	**35.80**	**23.60**	**24.80**	**26.00**	J	1.000	10.0	100	700		ug/L
SW-1	51	7440-47-3	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	**4.21**	ND		1.000	10.0	10	10		ug/L
SW-1	131	7439-92-1	Lead	**2.34**	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.900	10.0	10	15		ug/L
SW-1	184	7440-22-4	Silver	ND	ND	ND	ND	**2.37**	ND	ND	ND	ND	ND		1.900	10.0	10	20		ug/L
SW-2	3	67-64-1	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
SW-2	14	7440-38-2	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
SW-2	15	7440-39-3	Barium	**23.00**	**28.90**	**23.50**	**28.10**	**30.40**	**18.40**	**26.90**	**22.90**	**27.30**	**28.10**	J	1.000	10.0	100	700		ug/L
SW-2	51	7440-47-3	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	**4.43**	ND		1.000	10.0	10	10		ug/L
SW-2	131	7439-92-1	Lead	ND	ND	ND	ND	ND	ND	**2.14**	ND	ND	ND		1.900	10.0	10	15		ug/L
SW-2	183	7782-49-2	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.700	10.0	10	20		ug/L
SW-2	184	7440-22-4	Silver	ND	ND	ND	ND	**2.36**	ND	ND	ND	ND	ND		1.900	10.0	10	20		ug/L
SW-3	3	67-64-1	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
SW-3	15	7440-39-3	Barium	**75.40**	**52.70**	**66.70**	ND	ND	ND	ND	ND	ND	**54.20**	J	1.000	10.0	100	700		ug/L
SW-3	51	7440-47-3	Chromium	**1.71**	**3.85**	**1.76**	ND	ND	ND	ND	ND	ND	ND		1.000	10.0	10	10		ug/L
SW-3	131	7439-92-1	Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.900	10.0	10	15		ug/L
SW-4	14	7440-38-2	Arsenic	ND	ND	ND	**3.91**	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
SW-4	15	7440-39-3	Barium	**18.30**	**27.60**	**24.00**	**21.80**	**39.80**	**16.00**	**25.30**	**22.30**	**24.60**	**25.50**	J	1.000	10.0	100	700		ug/L
SW-4	51	7440-47-3	Chromium	ND	ND	ND	ND	ND	ND	ND	ND	**4.27**	ND		1.000	10.0	10	10		ug/L
SW-4	183	7782-49-2	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.700	10.0	10	20		ug/L

* Background well
** Nature and Extent Wells

Davie County C and D Landfill Semi-Annual Monitoring
November 2015 Sampling Event
Detection Summary Table with History

WELL ID	SWID	CAS	PARAMETER	Nov-10 RESULT	Apr-11 RESULT	Nov-11 RESULT	Apr-12 RESULT	Nov-12 RESULT	Jun-13 RESULT	Nov-13 RESULT	May-14 RESULT	Nov-14 RESULT	May-15 RESULT	Nov-15 RESULT	Code	MDL	MRL	SWSL	2L	GWP	Units
MW-6	3	67-64-1	Acetone	2.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
MW-6	14	7440-38-2	Arsenic	ND	ND	4.64	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-6	15	7440-39-3	Barium	71.7	41	97.10	46.40	98.90	42.40	54.80	28.20	57.40	39.50	66.50	J	1.000	10.0	100	700		ug/L
MW-6	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	0.80	ND	ND		0.360	1.0	1	2.00		ug/L
MW-6	137	74-87-3	Chloromethane	0.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.340	1.0	1	3		ug/L
MW-6	51	7440-47-3	Chromium	ND	1.12	ND	1.02	0.60	ND	ND	ND	ND	4.28	ND		1.000	10.0	10	10		ug/L
MW-7	3	67-64-1	Acetone	2.50	4.80	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.500	5.0	100	6000		ug/L
MW-7	14	7440-38-2	Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-7	15	7440-39-3	Barium	43.40	9.87	73.50	13.00	22.00	12.20	11.60	8.78	31.40	17.00	18.40	J	1.000	10.0	100	700		ug/L
MW-7	34	7440-43-9	Cadmium	0.37	ND	1.14	ND	1.87	ND	0.39	ND	1.40	ND	ND		0.360	1.0	1	2.00		ug/L
MW-7	137	74-87-3	Chloromethane	0.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.340	1.0	1.0	3		ug/L
MW-7	51	7440-47-3	Chromium	3.20	ND	4.48	ND	ND	ND	ND	ND	1.42	4.77	ND		1.000	10.0	10	10		ug/L
MW-7	131	7439-92-1	Lead	4.90	ND	6.91	ND	ND	ND	ND	ND	2.69	ND	3.73	J	1.900	10.0	10	15		ug/L
MW-7	196	108-88-3	Toluene	ND	ND	ND	ND	ND	20.00	ND	ND	ND	ND	ND		0.270	1.0	1	1000		ug/L
MW-7	183	7782-49-2	Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.700	10.0	10	20		ug/L
MW-8A	15	7440-39-3	Barium	ND	ND	136.00	84.70	112.00	55.60	97.70	82.40	77.20	58.20	90.30	J	1.000	10.0	10	700		ug/L
MW-8A	51	7440-47-3	Chromium	ND	ND	4.15	1.56	4.30	0.439	4.420	2.04	ND	5.35	4.00	J	1.000	10.0	10	10		ug/L
MW-8A	131	7439-92-1	Lead	ND	ND	6.64	ND	3.86	ND	ND	2.27	ND	ND	ND		1.900	10.0	10	15		ug/L
MW-8A	183	7782-49-2	Selenium	ND	ND	ND	3.23	ND	ND	ND	ND	ND	ND	ND		2.700	10.0	10	20		ug/L
MW-9	14	7440-38-2	Arsenic	ND	ND	3.14	ND	ND	ND	ND	ND	ND	ND	ND		2.800	10.0	10	10		ug/L
MW-9	15	7440-39-3	Barium	5.16	5.22	4.81	5.37	ND	7.48	13.50	5.14	98.10	6.28	7.17	J	1.000	10.0	100	700		ug/L
MW-9	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	ND	1.70	2.49	2.78	ND	ND		0.360	1.0	1	2.00		ug/L
MW-9	137	74-87-3	Chloromethane	1.50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		0.340	1.0	1.0	3		ug/L
MW-9	51	7440-47-3	Chromium	2.48	1.73	1.69	1.58	ND	1.44	17.60	ND	89.40	5.22	ND		1.000	10.0	10	10		ug/L
MW-9	131	7439-92-1	Lead	ND	ND	ND	ND	ND	ND	ND	ND	12.80	ND	ND		1.900	10.0	10	15		ug/L
MW-9	196	108-88-3	Toluene	ND	ND	ND	0.64	ND	ND	ND	ND	ND	ND	ND		0.270	1.0	1	1000		ug/L
MW-20**	15	7440-39-3	Barium	ND	ND	31.4	44.1	40.7	28.6	29.1	46.9	46.7	34.2	52.1	J	1.000	10.0	100	700		ug/L
MW-20**	34	7440-43-9	Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.398	J	0.360	1.0	1	2.00		ug/L
MW-20**	51	7440-47-3	Chromium	ND	ND	ND	1.07	ND	ND	ND	ND	ND	5.00	ND		1.000	10.0	10	10		ug/L
MW-20**	131	7439-92-1	Lead	ND	ND	ND	2.68	2.75	ND	ND	3.27	ND	ND	3.14	J	1.900	10.0	10	15		ug/L

** Nature and Extent Well