



1551 Green Valley Drive, Ashland, Kentucky 41102
o 606 928 0239 f 606 928 1239 republicservices.com

June 2, 2015

Tony Hatton
Solid Waste Branch
Division of Waste Management
200 Fair Oaks
Frankfort, KY 40601

DIVISION OF WASTE MANAGEMENT
FRANKFORT, KY 40601

CMN15-01
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1592

Received
JUN 02 2015
Reception

**RE: Green Valley Landfill General Partnership
Green Valley Landfill, Greenup County
Solid Waste Permit No. SW04500012
Second Quarter 2015 -
Groundwater Monitoring and Surface Water Monitoring Reports**

Mr. Hatton:

Enclosed please find one copy of the quarterly groundwater and surface water monitoring reports and the statistical evaluation report for Green Valley Landfill. No groundwater or surface water exceedances were detected. No verified statistical exceedances were identified.

Feel free to contact me at 502-403-8908 (cell) or WChlebowy@republicservices.com if you have any questions or need additional information.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for such violations.

Sincerely,

GREEN VALLEY LANDFILL GENERAL PARTNERSHIP

William L. Chlebowy, P.E.
Environmental Manager
Republic Services, Inc.

Enclosures

cc: Kim Cecil – Operations Manager Landfill
Green Valley Landfill – File

GROUNDWATER AND SURFACE WATER MONITORING SAMPLE DATA REPORTING FORM

NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
SOLID WASTE BRANCH
14 REILLY ROAD
FRANKFORT, KY 40601

Facility Name Green Valley Landfill Activity Contained Landfill
(As officially shown on DWM Permit Face)

Permit No. 045-00012 Finds/Unit No. _____ Quarter & Year 2nd 2015

Please check only ONE of the following:

Characterization Quarterly Semi-Annual Annual Assessment

Please check applicable submittal: Groundwater Surface Water

This form is to be utilized by those sites required by regulation (Kentucky Waste Management Regulations - 401 KAR 48:300 and 45:160) or by statute (Kentucky Revised Statutes Chapter 224) to conduct groundwater and surface water monitoring under the jurisdiction of the Division of Waste Management. **You must report any indication of contamination within forty-eight (48) hours of making the determination using statistical analyses, direct comparison, or other similar techniques. Submitting the lab report is NOT considered notification.** Instructions for completing the form are attached. Do not submit the instruction pages.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.



SIGNATURE

6-2-15

DATE

William L. Cahow | ENVIRONMENTAL MANAGER

NAME AND TITLE - PLEASE PRINT

FACILITY INFORMATION SHEET

Sampling Date: 04/13-14/2015 County: Greenup Permit No. 045-00012

Facility Name Green Valley Landfill

(As officially shown on DWM Permit Face)

Site Address: 100 Addington Road Ashland, Kentucky 41102
Street City Zip

Phone No.: (606) 928-0239 Latitude 38° 23' 00" Longitude 82° 48' 58"

OWNER INFORMATION

Facility Owner: Green Valley Environmental Corporation Phone No.: 606-928-0239

Contact Person: Bill Chlebowy, P.E. Phone No.: 502-209-3816

Contact Person Title: Environmental Manager

Mailing Address: 2157 Highway 151 Frankfort, KY 40601
Street City Zip

SAMPLING PERSONNEL

(IF OTHER THAN LANDFILL OR LABORATORY)

Company: Kenvirons, Inc.

Contact Person: Bill Knarr Phone No.: (502) 695-4357

Mailing Address: 452 Versailles Road Frankfort, KY 40601
Street City Zip

LABORATORY RECORD #1

Laboratory: Pace Analytical Services, Inc. Lab ID No.: _____

Contact Person: Chris Boyle Phone No.: (317) 228-3134

Mailing Address: 7726 Moller Road Indianapolis, IN 46268
Street City Zip

LABORATORY RECORD #2

Laboratory: Keystone Laboratories, Inc. Lab ID No.: _____

Contact Person: Sue Thompson Phone No.: (800)-858-5227

Mailing Address: 600 East 17th Street South Newton, IA 50208
Street City Zip

Division of Waste Management
 Solid Waste Branch
 14 Reilly Road
 Frankfort, KY 40601 (502) 564-6716

RESIDENTIAL/CONTAINED-QUARTERLY
 Facility: Green Valley Landfill
 Permit Number: 045-00012

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES

AKGWA NUMBER1, Facility Well/Spring Number						NA		8000-		8000-		8000-	
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						DUP		FB		MW-1		MW-1A	
Sample Sequence #						1		1		1		1	
If sample is a Blank, specify Type (F)ield, (T)rip, (M)ethod, or (E)quipment						NA		NA		NA		NA	
Sample Date and Time (Month/Day/Year hour:minutes)						04/13/2015 08:00		04/14/2015 09:55		04/14/2015 09:25		04/14/2015 09:52	
Duplicate ("Y" or "N") ²						Yes		No		No		No	
Split ("Y" or "N") ³						No		No		No		No	
Facility Sample ID Number (If applicable)						DUP		FB		MW-1		MW-1A	
Laboratory Sample ID Number (if applicable)						50116556005		50116556009		50116556006		50116556007	
Date of Analysis (Month/Day/Year)						04/14/15 - 04/23/15		04/16/15 - 04/27/15		04/15/15 - 04/27/15		04/15/15 - 04/27/15	
Gradient with respect to Monitored Unit (UP, DOWN, SIDE, UNKNOWN)						UNKNOWN		DOWN		DOWN		DOWN	
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
S0906	0	Static Water Level Elevation	T										
S0907	0	Temperature	T										
16887-00-6	2	Chloride(s)	T	mg/L	EPA 9056	11.2		<0.25	U	1.2		3.3	
S0130	0	Chemical Oxygen Demand	T	mg/L	EPA 410.4	<10.0	U	<10.0	U	<10.0	U	<10.0	U
S0266	0	Total Dissolved Solids	T	mg/L	SM 2540C	169		<10.0	U	22.0		201	
S0268	1	Total Organic Carbon	T	mg/L	SM 5310C	<1.0	U	<1.0	U	<1.0	U	<1.0	U
S0145	1	Specific Conductance Field	T										

1AKGWA # is 0000-0000 for any type of blank.

2Respond "Y" if the sample was a duplicate of another sample in this report.

3Respond "Y" if the sample was split and analyzed by separate laboratories.

4Chemical Abstracts Service Registry Number or unique identifier number assigned by agency.

5"T" = Total; "D" = Dissolved

6 "<"? indicates a non-detect; do not use "ND" or "BDL". Value then shown is Practical Quantification Limit.

STANDARD FLAGS:

J = Estimated value

B = Analyte found in blank

A = Average value

N = Presumptive ID

D = Concentration from analysis

of a secondary dilution factor

RESIDENTIAL/CONTAINED-QUARTERLY

Facility:

Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number													
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						DUP		FB		MW-1		MW-1A	
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
S0595	0	Nitrate	T	mg/L	9056	0.085		<0.050	U	0.093		0.21	
S0586	0	Total Organic Halides	T	mg/L	9020	<0.010	U	<0.010	U	<0.010	U	0.015	
S0296	0	pH	T										
7440-36-0	0	Antimony	T	mg/L	EPA 6010	<0.25	U	<0.25	U	<0.25	U	<0.25	U
7440-38-2	0	Arsenic	T	mg/L	EPA 6020	0.0019		<0.0010	U	<0.0010	U	<0.0010	U
7440-39-3	0	Barium	T	mg/L	EPA 6010	0.059		<0.010	U	0.019		0.051	
7440-41-7	0	Beryllium	T	mg/L	EPA 6010	<0.010	U	<0.010	U	<0.010	U	<0.010	U
7440-43-9	0	Cadmium	T	mg/L	EPA 6010	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
7440-47-3	0	Chromium	T	mg/L	EPA 6010	<0.020	U	<0.020	U	<0.020	U	<0.020	U
7440-48-4	0	Cobalt	T	mg/L	EPA 6010	<0.020	U	<0.020	U	<0.020	U	<0.020	U
7440-50-8	0	Copper	T	mg/L	EPA 6010	<0.010	U	<0.010	U	<0.010	U	<0.010	U
7439-89-6	0	Iron	T	mg/L	EPA 6010	13.3		0.021		0.18		1.6	
7439-92-1	0	Lead	T	mg/L	EPA 6010	<0.030	U	<0.030	U	<0.030	U	<0.030	U
7439-97-6	0	Mercury	T	ug/L	EPA 7470	<0.20	U	<0.20	U	<0.20	U	<0.20	U
7440-02-0	0	Nickel	T	mg/L	EPA 6010	0.037		<0.020	U	<0.020	U	<0.020	U
7782-49-2	0	Selenium	T	mg/L	EPA 6020	<0.0010	U	<0.0010	U	<0.0010	U	<0.0010	U
7440-22-4	0	Silver	T	mg/L	EPA 6010	<0.010	U	<0.010	U	<0.010	U	<0.010	U
7440-23-5	0	Sodium	T	mg/L	EPA 6010	9.1		<0.10	U	1.7		19.6	
7440-28-0	0	Thallium	T	mg/L	EPA 6010	<0.25	U	<0.25	U	<0.25	U	<0.25	U
7440-62-2	0	Vanadium	T	mg/L	EPA 6010	<0.25	U	<0.25	U	<0.25	U	<0.25	U
7440-66-6	0	Zinc	T	mg/L	EPA 6010	0.041		0.046		<0.010	U	<0.010	U
108-05-4	2	Acetic acid ethenyl ester	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U

RESIDENTIAL/CONTAINED-QUARTERLY

Facility:

Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number.						DUP		FB		MW-1		MW-1A	
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						DUP		FB		MW-1		MW-1A	
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
67-64-1	0	Acetone	T	mg/L	5030B/8260	<0.099	U	<0.099	U	<0.099	U	<0.099	U
107-02-8	3	Acrolein	T	mg/L	5030B/8260	<0.060	U	<0.060	U	<0.060	U	<0.060	U
107-13-1	0	Acrylonitrile	T	mg/L	5030B/8260	<0.060	U	<0.060	U	<0.060	U	<0.060	U
71-43-2	0	Benzene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
108-90-7	1	Benzene, chloro	T										
1330-20-7	3	Benzene, dimethyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
100-42-5	1	Benzene, ethenyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
108-88-3	1	Benzene, methyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
74-97-5	0	Bromochloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-27-4	3	Bromodichloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-25-2	0	Bromoform	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
74-83-9	0	Bromomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
78-93-3	0	2-Butanone (Methyl ethyl ketone)	T	mg/L	5030B/8260	<0.099	U	<0.099	U	<0.099	U	<0.099	U
110-57-6	0	2-Butene, 1,4-dichloro-, (E)-	T	mg/L	5030B/8260	<0.099	U	<0.099	U	<0.099	U	<0.099	U
75-15-0	0	Carbon disulfide	T	mg/L	5030B/8260	<0.099	U	<0.099	U	<0.099	U	<0.099	U
75-00-3	0	Chloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
67-66-3	0	Chloroform	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
74-87-3	0	Chloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
156-59-2	0	cis-1,2-Dichloroethene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
74-95-3	0	Dibromomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-71-8	0	Dichlorodifluoromethane	T										
75-34-3	0	1,1-Dichloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U

RESIDENTIAL/CONTAINED-QUARTERLY

Facility:

Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number						DUP		FB		MW-1		MW-1A	
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						DUP		FB		MW-1		MW-1A	
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
107-06-2	0	1,2-Dichloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-35-4	0	1,1-Dichloroethene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
540-36-3	0	1,4-Difluorobenzene	T										
106-93-4	6	Ethane, 1,2-dibromo	T	mg/L	EPA 8011	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
79-34-5	4	Ethane, 1,1,2,2-Tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
71-55-6	5	Ethane, 1,1,1-Trichloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
79-00-5	3	Ethane, 1,1,2-Trichloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
630-20-6	3	Ethane, 1,11,,2-Tetrachloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
64-17-5	0	Ethanol	T										
75-01-4	2	Ethene, chloro	T	mg/L	5030B/8260	<0.0020	U	<0.0020	U	<0.0020	U	<0.0020	U
110-75-8	1	Ethene, (2Chloroethoxy) -	T										
127-18-4	7	Ethene, tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
79-01-6	5	Ethene, trichloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
100-41-4	0	Ethylbenzene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
97-63-2	0	Ethyl methacrylate	T										
591-78-6	3	2-Hexanone	T	mg/L	5030B/8260	<0.050	U	<0.050	U	<0.050	U	<0.050	U
74-88-4	4	Iodomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
124-48-1	4	Methane, Dibromochloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
56-23-5	1	Methane, Tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-09-2	0	Methylene chloride	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
108-10-1	4	4-Methyl-2-pentanone	T	mg/L	5030B/8260	<0.050	U	<0.050	U	<0.050	U	<0.050	U
96-12-8	2	Propane, 1,2-dichloro-3-chloro	T	mg/L	EPA 8011	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U

Division of Waste Management
 Solid Waste Branch
 14 Reilly Road
 Frankfort, KY 40601 (502) 564-6716

RESIDENTIAL/CONTAINED-QUARTERLY
 Facility: Green Valley Landfill
 Permit Number: 045-00012

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES

AKGWA NUMBER1, Facility Well/Spring Number					8000-	8005-7101		8005-7102		8005-7103			
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)					MW-1B	MW-28C		MW-28D		MW-28E			
Sample Sequence #					1	1		1		1			
If sample is a Blank, specify Type (F)ield, (T)rip, (M)ethod, or (E)quipment					NA	NA		NA		NA			
Sample Date and Time (Month/Day/Year hour:minutes)					04/14/2015 10:32	04/13/2015 13:20	04/13/2015 12:27	04/13/2015 13:00					
Duplicate ("Y" or "N") ²					No	No		No		No			
Split ("Y" or "N") ³					No	No		No		No			
Facility Sample ID Number (if applicable)					MW-1B	MW-28C		MW-28D		MW-28E			
Laboratory Sample ID Number (if applicable)					50116556008	50116556003		50116556001		50116556002			
Date of Analysis (Month/Day/Year)					04/15/15 - 04/27/15	04/14/15 - 04/23/15		04/14/15 - 04/23/15		04/14/15 - 04/23/15			
Gradient with respect to Monitored Unit (UP, DOWN, SIDE, UNKNOWN)					DOWN	DOWN		DOWN		DOWN			
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
S0906	0	Static Water Level Elevation	T										
S0907	0	Temperature	T										
16887-00-6	2	Chloride(s)	T	mg/L	EPA 9056	35.0		14.9		29.5		1.9	
S0130	0	Chemical Oxygen Demand	T	mg/L	EPA 410.4	<10.0	U	<10.0	U	<10.0	U	<10.0	U
S0266	0	Total Dissolved Solids	T	mg/L	SM 2540C	341		281		474		162	
S0268	1	Total Organic Carbon	T	mg/L	SM 5310C	<1.0	U	<1.0	U	<1.0	U	<1.0	U
S0145	1	Specific Conductance Field	T										

STANDARD FLAGS:

J = Estimated value
 B = Analyte found in blank
 A = Average value
 N = Presumptive ID
 D = Concentration from analysis of a secondary dilution factor

1AKGWA # is 0000-0000 for any type of blank.

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4Chemical Abstracts Service Registry Number or unique identifier number assigned by agency.

5"T" = Total; "D" = Dissolved

6 "<"? indicates a non-detect; do not use "ND" or "BDL". Value then shown is Practical Quantification Limit.

RESIDENTIAL/CONTAINED-QUARTERLY

Facility:

Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number						MW-1B		MW-28C		MW-28D		MW-28E	
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						MW-1B		MW-28C		MW-28D		MW-28E	
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
S0595	0	Nitrate	T	mg/L	9056	0.47		0.13		0.097		0.067	
S0586	0	Total Organic Halides	T	mg/L	9020	0.014		<0.010	U	0.016		<0.010	U
S0296	0	pH	T										
7440-36-0	0	Antimony	T	mg/L	EPA 6010	<0.25	U	<0.25	U	<0.25	U	<0.25	U
7440-38-2	0	Arsenic	T	mg/L	EPA 6020	<0.0010	U	<0.0010	U	<0.0010	U	<0.0010	U
7440-39-3	0	Barium	T	mg/L	EPA 6010	0.055		0.017		0.021		0.16	
7440-41-7	0	Beryllium	T	mg/L	EPA 6010	<0.010	U	<0.010	U	<0.010	U	<0.010	U
7440-43-9	0	Cadmium	T	mg/L	EPA 6010	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
7440-47-3	0	Chromium	T	mg/L	EPA 6010	<0.020	U	<0.020	U	<0.020	U	<0.020	U
7440-48-4	0	Cobalt	T	mg/L	EPA 6010	<0.020	U	<0.020	U	<0.020	U	<0.020	U
7440-50-8	0	Copper	T	mg/L	EPA 6010	<0.010	U	<0.010	U	<0.010	U	<0.010	U
7439-89-6	0	Iron	T	mg/L	EPA 6010	0.051		3.7		1.9		0.23	
7439-92-1	0	Lead	T	mg/L	EPA 6010	<0.030	U	<0.030	U	<0.030	U	<0.030	U
7439-97-6	0	Mercury	T	ug/L	EPA 7470	<0.20	U	<0.20	U	<0.20	U	<0.20	U
7440-02-0	0	Nickel	T	mg/L	EPA 6010	<0.020	U	0.041		<0.020	U	<0.020	U
7782-49-2	0	Selenium	T	mg/L	EPA 6020	<0.0010	U	<0.0010	U	<0.0010	U	<0.0010	U
7440-22-4	0	Silver	T	mg/L	EPA 6010	<0.010	U	<0.010	U	<0.010	U	<0.010	U
7440-23-5	0	Sodium	T	mg/L	EPA 6010	120		13.3		29.1		11.2	
7440-28-0	0	Thallium	T	mg/L	EPA 6010	<0.25	U	<0.25	U	<0.25	U	<0.25	U
7440-62-2	0	Vanadium	T	mg/L	EPA 6010	<0.25	U	<0.25	U	<0.25	U	<0.25	U
7440-66-6	0	Zinc	T	mg/L	EPA 6010	0.016		0.047		<0.010	U	<0.010	U
108-05-4	2	Acetic acid ethenyl ester	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U

RESIDENTIAL/CONTAINED-QUARTERLY

Facility:

Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number						MW-1B		MW-28C		MW-28D		MW-28E	
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						MW-1B		MW-28C		MW-28D		MW-28E	
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
67-64-1	0	Acetone	T	mg/L	5030B/8260	<0.099	U	<0.099	U	<0.099	U	<0.099	U
107-02-8	3	Acrolein	T	mg/L	5030B/8260	<0.060	U	<0.060	U	<0.060	U	<0.060	U
107-13-1	0	Acrylonitrile	T	mg/L	5030B/8260	<0.060	U	<0.060	U	<0.060	U	<0.060	U
71-43-2	0	Benzene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
108-90-7	1	Benzene, chloro	T										
1330-20-7	3	Benzene, dimethyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
100-42-5	1	Benzene, ethenyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
108-88-3	1	Benzene, methyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
74-97-5	0	Bromochloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-27-4	3	Bromodichloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-25-2	0	Bromoform	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
74-83-9	0	Bromomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
78-93-3	0	2-Butanone (Methyl ethyl ketone)	T	mg/L	5030B/8260	<0.099	U	<0.099	U	<0.099	U	<0.099	U
110-57-6	0	2-Butene, 1,4-dichloro-, (E)-	T	mg/L	5030B/8260	<0.099	U	<0.099	U	<0.099	U	<0.099	U
75-15-0	0	Carbon disulfide	T	mg/L	5030B/8260	<0.099	U	<0.099	U	<0.099	U	<0.099	U
75-00-3	0	Chloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
67-66-3	0	Chloroform	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
74-87-3	0	Chloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
156-59-2	0	cis-1,2-Dichloroethene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
74-95-3	0	Dibromomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-71-8	0	Dichlorodifluoromethane	T										
75-34-3	0	1,1-Dichloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U

RESIDENTIAL/CONTAINED-QUARTERLY

Facility:

Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number						MW-1B		MW-28C		MW-28D		MW-28E	
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						MW-1B		MW-28C		MW-28D		MW-28E	
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
107-06-2	0	1,2-Dichloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-35-4	0	1,1-Dichloroethene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
540-36-3	0	1,4-Difluorobenzene	T										
106-93-4	6	Ethane, 1,2-dibromo	T	mg/L	EPA 8011	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
79-34-5	4	Ethane, 1,1,2,2-Tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
71-55-6	5	Ethane, 1,1,1-Trichloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
79-00-5	3	Ethane, 1,1,2-Trichloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
630-20-6	3	Ethane, 1,1,1,2-Tetrachloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
64-17-5	0	Ethanol	T										
75-01-4	2	Ethene, chloro	T	mg/L	5030B/8260	<0.0020	U	<0.0020	U	<0.0020	U	<0.0020	U
110-75-8	1	Ethene, (2Chloroethoxy) -	T										
127-18-4	7	Ethene, tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
79-01-6	5	Ethene, trichloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
100-41-4	0	Ethylbenzene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
97-63-2	0	Ethyl methacrylate	T										
591-78-6	3	2-Hexanone	T	mg/L	5030B/8260	<0.050	U	<0.050	U	<0.050	U	<0.050	U
74-88-4	4	Iodomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
124-48-1	4	Methane, Dibromochloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
56-23-5	1	Methane, Tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
75-09-2	0	Methylene chloride	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U
108-10-1	4	4-Methyl-2-pentanone	T	mg/L	5030B/8260	<0.050	U	<0.050	U	<0.050	U	<0.050	U
96-12-8	2	Propane, 1,2-dichloro-3-chloro	T	mg/L	EPA 8011	<0.0050	U	<0.0050	U	<0.0050	U	<0.0050	U

DIVISION OF waste management
Solid Waste Branch
 14 Reilly Road
 Frankfort, KY 40601 (502) 564-6716

RESIDENTIAL/CONTAINED-QUARTERLY
 Facility: Green Valley Landfill
 Permit Number: 045-00012

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES

AKGWA NUMBER1, Facility Well/Spring Number						8000-8085		8000-					
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						MW-3		TRIP BLANK					
Sample Sequence #						1		1					
If sample is a Blank, specify Type (F)ield, (T)rip, (M)ethod, or (E)quipment						NA		T					
Sample Date and Time (Month/Day/Year hour:minutes)						04/13/2015	13:55	04/14/2015	08:00				
Duplicate ("Y" or "N")2						No		No					
Split ("Y" or "N")3						No		No					
Facility Sample ID Number (if applicable)						MW-3		TRIP BLANK					
Laboratory Sample ID Number (if applicable)						50116556004		50116556010					
Date of Analysis (Month/Day/Year)						04/14/15 - 04/23/15		04/21/15 - 04/23/15					
Gradient with respect to Monitored Unit (UP, DOWN, SIDE, UNKNOWN)						DOWN		DOWN					
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
S0906	0	Static Water Level Elevation	T										
S0907	0	Temperature	T										
16887-00-6	2	Chloride(s)	T	mg/L	EPA 9056	11.6							
S0130	0	Chemical Oxygen Demand	T	mg/L	EPA 410.4	<10.0	U						
S0266	0	Total Dissolved Solids	T	mg/L	SM 2540C	214							
S0268	1	Total Organic Carbon	T	mg/L	SM 5310C	<1.0	U						
S0145	1	Specific Conductance Field	T										

- 1AKGWA # is 0000-0000 for any type of blank.
- 2Respond "Y" if the sample was a duplicate of another sample in this report.
- 3Respond "Y" if the sample was split and analyzed by separate laboratories.
- 4Chemical Abstracts Service Registry Number or unique identifier number assigned by agency.
- 5"T" = Total; "D" = Dissolved
- 6 "<"? indicates a non-detect; do not use "ND" or "BDL". Value then shown is Practical Quantification Limit.

STANDARD FLAGS:
 J = Estimated value
 B = Analyte found in blank
 A = Average value
 N = Presumptive ID
 D = Concentration from analysis
 of a secondary dilution factor

RESIDENTIAL/CONTAINED-QUARTERLY
 Facility:
 Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number													
--	--	--	--	--	--	--	--	--	--	--	--	--	--

Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						MW-3		TRIP BLANK					
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
S0595	0	Nitrate	T	mg/L	9056	0.08							
S0586	0	Total Organic Halides	T	mg/L	9020	<0.010	U						
S0296	0	pH	T										
7440-36-0	0	Antimony	T	mg/L	EPA 6010	<0.25	U						
7440-38-2	0	Arsenic	T	mg/L	EPA 6020	0.0021							
7440-39-3	0	Barium	T	mg/L	EPA 6010	0.065							
7440-41-7	0	Beryllium	T	mg/L	EPA 6010	<0.010	U						
7440-43-9	0	Cadmium	T	mg/L	EPA 6010	<0.0050	U						
7440-47-3	0	Chromium	T	mg/L	EPA 6010	<0.020	U						
7440-48-4	0	Cobalt	T	mg/L	EPA 6010	<0.020	U						
7440-50-8	0	Copper	T	mg/L	EPA 6010	<0.010	U						
7439-89-6	0	Iron	T	mg/L	EPA 6010	15.4							
7439-92-1	0	Lead	T	mg/L	EPA 6010	<0.030	U						
7439-97-6	0	Mercury	T	ug/L	EPA 7470	<0.20	U						
7440-02-0	0	Nickel	T	mg/L	EPA 6010	0.042							
7782-49-2	0	Selenium	T	mg/L	EPA 6020	<0.0010	U						
7440-22-4	0	Silver	T	mg/L	EPA 6010	<0.010	U						
7440-23-5	0	Sodium	T	mg/L	EPA 6010	9.2							
7440-28-0	0	Thallium	T	mg/L	EPA 6010	<0.25	U						
7440-62-2	0	Vanadium	T	mg/L	EPA 6010	<0.25	U						
7440-66-6	0	Zinc	T	mg/L	EPA 6010	0.051							
108-05-4	2	Acetic acid ethenyl ester	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				

RESIDENTIAL/CONTAINED-QUARTERLY

Facility:

Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number													
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						MW-3		TRIP BLANK					
CAS RN4		CONSTITUENT	T D5'	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S	DETECTED VALUE OR PQL6	F L A G S
67-64-1	0	Acetone	T	mg/L	5030B/8260	<0.099	U	<0.099	U				
107-02-8	3	Acrolein	T	mg/L	5030B/8260	<0.060	U	<0.060	U				
107-13-1	0	Acrylonitrile	T	mg/L	5030B/8260	<0.060	U	<0.060	U				
71-43-2	0	Benzene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
108-90-7	1	Benzene, chloro	T										
1330-20-7	3	Benzene, dimethyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
100-42-5	1	Benzene, ethenyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
108-88-3	1	Benzene, methyl	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
74-97-5	0	Bromochloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
75-27-4	3	Bromodichloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
75-25-2	0	Bromoform	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
74-83-9	0	Bromomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
78-93-3	0	2-Butanone (Methyl ethyl ketone)	T	mg/L	5030B/8260	<0.099	U	<0.099	U				
110-57-6	0	2-Butene, 1,4-dichloro-, (E)-	T	mg/L	5030B/8260	<0.099	U	<0.099	U				
75-15-0	0	Carbon disulfide	T	mg/L	5030B/8260	<0.099	U	<0.099	U				
75-00-3	0	Chloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
67-66-3	0	Chloroform	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
74-87-3	0	Chloromethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
156-59-2	0	cis-1,2-Dichloroethene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
74-95-3	0	Dibromomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
75-71-8	0	Dichlorodifluoromethane	T										
75-34-3	0	1,1-Dichloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				

RESIDENTIAL/CONTAINED-QUARTERLY

Facility:

Permit Number:

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

GROUNDWATER SAMPLE ANALYSES - (Cont.)

AKGWA NUMBER1, Facility Well/Spring Number													
Facility's Local Well or Spring Number (e.g. MW-1, MW-2, etc.)						MW-3		TRIP BLANK					
CAS RN4		CONSTITUENT	T D5	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL6	FLAG	DETECTED VALUE OR PQL6	FLAG	DETECTED VALUE OR PQL6	FLAG	DETECTED VALUE OR PQL6	FLAG
107-06-2	0	1,2-Dichloroethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
75-35-4	0	1,1-Dichloroethene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
540-36-3	0	1,4-Difluorobenzene	T										
106-93-4	6	Ethane, 1,2-dibromo	T	mg/L	EPA 8011	<0.0050	U	<0.0050	U				
79-34-5	4	Ethane, 1,1,2,2-Tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
71-55-6	5	Ethane, 1,1,1-Trichloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
79-00-5	3	Ethane, 1,1,2-Trichloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
630-20-6	3	Ethane, 1,1,1,2-Tetrachloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
64-17-5	0	Ethanol	T										
75-01-4	2	Ethene, chloro	T	mg/L	5030B/8260	<0.0020	U	<0.0020	U				
110-75-8	1	Ethene, (2Chloroethoxy) -	T										
127-18-4	7	Ethene, tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
79-01-6	5	Ethene, trichloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
100-41-4	0	Ethylbenzene	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
97-63-2	0	Ethyl methacrylate	T										
591-78-6	3	2-Hexanone	T	mg/L	5030B/8260	<0.050	U	<0.050	U				
74-88-4	4	Iodomethane	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
124-48-1	4	Methane, Dibromochloro-	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
56-23-5	1	Methane, Tetrachloro	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
75-09-2	0	Methylene chloride	T	mg/L	5030B/8260	<0.0050	U	<0.0050	U				
108-10-1	4	4-Methyl-2-pentanone	T	mg/L	5030B/8260	<0.050	U	<0.050	U				
96-12-8	2	Propane, 1,2-dichloro-3-chloro	T	mg/L	EPA 8011	<0.0050	U	<0.0050	U				

GROUNDWATER AND SURFACE WATER MONITORING SAMPLE DATA REPORTING FORM

NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
SOLID WASTE BRANCH
14 REILLY ROAD
FRANKFORT, KY 40601

Facility Name Green Valley Landfill Activity Residential / Contained /CDD Landfill
(As officially shown on DWM Permit Face)

Permit No. 045-00012 Finds/Unit No. _____ Quarter & Year 2nd 2015

Please check only ONE of the following:

Characterization Quarterly Semi-Annual Annual Assessment

Please check applicable submittal: Groundwater Surface Water

This form is to be utilized by those sites required by regulation (Kentucky Waste Management Regulations – 401 KAR 48:300 and 45:160) or by statute (Kentucky Revised Statutes Chapter 224) to conduct groundwater and surface water monitoring under the jurisdiction of the Division of Waste Management. You must report any indication of contamination within forty-eight (48) hours of making the determination using statistical analyses, direct comparison, or other similar techniques. Submitting the lab report is **NOT** considered notification. Instructions for completing the form are attached. Do not submit the instruction pages.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.

William L. Cleary

SIGNATURE

6-2-15

DATE

William L. Cleary /
ENVIRONMENTAL MONITOR

NAME AND TITLE - PLEASE PRINT

FACILITY INFORMATION SHEET

Sampling Date: 04/13/2015 County: Greenup Permit No. 045-00012

Facility Name Green Valley Landfill

(As officially shown on DWM Permit Face)

Site Address: 100 Addington Road Ashland, Kentucky 41102
Street City Zip

Phone No.: (606) 928-0239 Latitude 38° 23' 00" Longitude 82° 48' 58"

OWNER INFORMATION

Facility Owner: Green Valley Environmental Corporation Phone No.: 606-928-0239

Contact Person: Bill Chlebowy, P.E. Phone No.: 502-209-3816

Contact Person Title: Environmental Manager

Mailing Address: 2157 Highway 151 Frankfort, KY 40601
Street City Zip

SAMPLING PERSONNEL

(IF OTHER THAN LANDFILL OR LABORATORY)

Company: Kenvirons, Inc.

Contact Person: Bill Knarr Phone No.: (502) 695-4357

Mailing Address: 452 Versailles Road Frankfort, KY 40601
Street City Zip

LABORATORY RECORD #1

Laboratory: Pace Analytical Services, Inc. Lab ID No.: _____

Contact Person: Chris Boyle Phone No.: (317) 243-8304

Mailing Address: 7726 Moller Road Indianapolis, IN 46268
Street City Zip

LABORATORY RECORD #2

Laboratory: _____ Lab ID No.: _____

Contact Person: _____ Phone No.: () _____

Mailing Address: _____
Street City Zip

Division of Waste Management
 Solid Waste Branch
 14 Reilly Road
 Frankfort, KY 40601 (502) 564-6716

RESIDENTIAL/CONTAINED-QUARTERLY
 Facility: Green Valley Landfill
 Permit Number: 045-00012

FINDS/UNIT: _____

LAB ID: _____

For Official Use Only

SURFACE WATER SAMPLE ANALYSES (w)

Monitoring Point (KPDES Discharge Number, or "UPSTREAM", or "DOWNSTREAM")						SW-1A		SW-2		SW-3		SW-4	
Sample Sequence #						1		1		1		1	
If sample is a Blank, specify Type (F)ield, (T)rip, (M)ethod, or (E)quipment						NA		NA		NA		NA	
Sample Date and Time (Month/Day/Year hour:minutes)						04/13/2015	14:55	04/13/2015	16:25	04/13/2015	15:50	04/13/2015	15:20
Duplicate ("Y" or "N")1						N		N		N		N	
Split ("Y" or "N")2						N		N		N		N	
Facility Sample ID Number (if applicable)						SW-1A		SW-2		SW-3		SW-4	
Laboratory Sample ID Number (if applicable)						50116557001		50116557005		50116557004		50116557003	
Date of Analysis (Month/Day/Year)						04/13/15 - 04/23/15		04/13/15 - 04/27/15		04/13/15 - 04/22/15		04/13/15 - 04/22/15	
CAS RN3		CONSTITUENT	T D4	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL5	F L A G S	DETECTED VALUE OR PQL5	F L A G S	DETECTED VALUE OR PQL5	F L A G S	DETECTED VALUE OR PQL5	F L A G S
A200-00-0	0	Flow	T	Gal./Min.		10		1		30		25	
16887-00-6	2	Chloride(s)	T	mg/L	EPA 9056	51.2		65.4		9.0		8.8	
14808-79-8	0	Sulfate	T	mg/L	EPA 9056	585		461		232		493	
7439-89-6	0	Iron	T	mg/L	EPA 6010	6.6		0.93		0.54		0.58	
7440-23-5	0	Sodium	T	mg/L	EPA 6010	40.0		48.8		7.9		7.1	
S0268	0	Organic Carbon	T	mg/L	SM 5310C	<20.0	U	29.4		2.4		1.4	
S0097	0	BOD	T										

- 1Respond "Y" if the sample was a duplicate of another sample in this report.
- 2Respond "Y" if the sample was split and analyzed by separate laboratories.
- 3Chemical Abstracts Service Registry Number or unique identifier number assigned by agency.
- 4"T" = Total; "D" = Dissolved
- 5"<" indicates a non-detect; do not use "ND" or "BDL"
- Value then shown is Practical Quantification Limit
- 6Facility has either/or option on Organic Carbon and (BOD) Biological Oxygen Demand = Both are not required

STANDARD FLAGS:

- J = Estimated value
- B = Analyte found in blank
- A = Average value
- N = Presumptive ID
- D = Concentration from analysis of a secondary dilution factor
- X = Exceeds Regulatory Limit

Division of Waste Management
 Solid Waste Branch
 14 Reilly Road
 Frankfort, KY 40601 (502) 564-6716

RESIDENTIAL/CONTAINED-QUARTERLY
 Facility: Green Valley Landfill
 Permit Number: 045-00012

FINDS/UNIT: _____
 LAB ID: _____

For Official Use Only

SURFACE WATER SAMPLE ANALYSES (w)

Monitoring Point (KPDES Discharge Number, or "UPSTREAM", or "DOWNSTREAM")						SW-5							
Sample Sequence #						1							
If sample is a Blank, specify Type (F)ield, (T)rip, (M)ethod, or (E)quipment						NA							
Sample Date and Time (Month/Day/Year hour:minutes)						04/13/2015 15:05							
Duplicate ("Y" or "N")1						N							
Split ("Y" or "N")2						N							
Facility Sample ID Number (if applicable)						SW-5							
Laboratory Sample ID Number (if applicable)						50116557002							
Date of Analysis (Month/Day/Year)						04/13/15 - 04/22/15							
CAS RN3		CONSTITUENT	T D4	UNIT OF MEASURE	METHOD	DETECTED VALUE OR PQL5	F L A G S	DETECTED VALUE OR PQL5	F L A G S	DETECTED VALUE OR PQL5	F L A G S	DETECTED VALUE OR PQL5	F L A G S
A200-00-0	0	Flow	T	Gal./Min.		25							
16887-00-6	2	Chloride(s)	T	mg/L	EPA 9056	1.2							
14808-79-8	0	Sulfate	T	mg/L	EPA 9056	62.1							
7439-89-6	0	Iron	T	mg/L	EPA 6010	0.37							
7440-23-5	0	Sodium	T	mg/L	EPA 6010	2.8							
S0268	0	Organic Carbon	T	mg/L	SM 5310C	1.6							
S0097	0	BOD	T										

- 1Respond "Y" if the sample was a duplicate of another sample in this report.
- 2Respond "Y" if the sample was split and analyzed by separate laboratories.
- 3Chemical Abstracts Service Registry Number or unique identifier number assigned by agency.
- 4"T" = Total; "D" = Dissolved
- 5"<" indicates a non-detect; do not use "ND" or "BDL"
Value then shown is Practical Quantification Limit
- 6Facility has either/or option on Organic Carbon and
(BOD) Biological Oxygen Demand = Both are not required

- STANDARD FLAGS:**
- J = Estimated value
 - B = Analyte found in blank
 - A = Average value
 - N = Presumptive ID
 - D = Concentration from analysis
of a secondary dilution factor
 - X = Exceeds Regulatory Limit

Comments:

1. There was no flow reported from SW-6 on the scheduled date of sampling (04/13/2015).
2. TR = Total Recoverable



452 Versailles Road
 Frankfort, Kentucky 40601
 Office: 502-695-4357
 Fax: 502-695-4363

KENVIRONS

CHAIN-OF-CUSTODY / ANALYTICAL REQUEST DOCUMENT

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page: 1 of 1	
Company: Kenvirons, Inc.		Report To: Bill Knarr		Attention: Bill Knarr		REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER	
Address: 452 Versailles Road Frankfort, KY 40601		Copy To:		Company Name: Kenvirons, Inc. Address: 452 Versailles Rd, Frankfort, Ky			
Email To: bknarr@kenvirons.com		Purchase Order No.: 2011033		Quote Reference:		Site Location: KY STATE: KY	
Phone: (502)695-4357 Fax: (502)695-4363		Project Name: Green Valley Surfacewater		Project Manager: Chris Boyle			
Requested Due Date/TAT:		Project Number: 2011033		Profile #: 41034			

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	FLOW	TEMPERATURE	PH	SPECIFIC CONDUCTIVITY	TURBIDITY OR DISSOLVED OXYGEN (CIRCLE)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	# OF CONTAINERS	Preservatives								Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Project No / Lab ID.	
													Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other					
1	SAMPLE ID (A-Z, 0-9, -) Sample IDs MUST BE UNIQUE																								
1	SW-1A		4/13/15	1455	10	19.97	6.87	414	←	SWG	G	4	1	2	1										001
2	SW-5		4/13/15	1505	25	10.73	7.42	111	—	SWG	G	4	1	2	1										002
3	SW-4		4/13/15	1520	25	21.12	5.81	878	—	SWG	G	4	1	2	1										003
4	SW-3		4/13/15	1550	30	20.27	6.58	390	—	SWG	G	4	1	2	1										004
5	SW-2		4/13/15	1625	1	24.03	7.72	6210	—	SWG	G	4	1	2	1										005

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	BOD F. K. TA	4/13/15	1730	Sent via UPS	4/13/15	1730				
				Brian Stuber / PACE	4-14-15	1055	0.3	Y	Y	Y

SAMPLER NAME AND SIGNATURE		Temp In °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Sample Intact (Y/N)
PRINT Name of SAMPLER: Bill F. Knarr, III					
SIGNATURE of SAMPLER: BOD F. K. TA					

KENVIRONS, INC.
 452 Versailles Road
 Frankfort, KY 40601
 502-695-4357
 502-695-4363 (fax)



Green Valley Landfill -ALLIED - Greenup Co., KY Project No. 2011033

Sample Point	Z#	Date	Flow (Sampled)		No Flow	Preceeding Precipitation Event Within 24 Hr. Period	
			YES	NO	YES	YES	NO
SW-1A	---	4/13/15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SW-2	---	4/13/15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SW-3	---	4/13/15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SW-4	---	4/13/15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SW-5	---	4/13/15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SW-6	---	4/13/15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Notes:

TECHNICIAN Bill F. Knorr, III / Ben T. Bray DATE 4/13/15