

LANCASTER COUNTY
SOLID WASTE MANAGEMENT
AUTHORITY

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LANCASTER, PA 17604
PHONE: (717) 397-9968
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October 8, 2008

Mr. Tom Miller; Regional Hydrogeologist
Pennsylvania Department of Environmental Protection
Bureau of Waste Management
909 Elmerton Avenue
Harrisburg, PA 17110-8200

REF: Private Water Supply
Quarterly Water Quality Analysis
Frey Farm Landfill; BWM Permit #101389

Dear Mr. Miller:

As required by the Pennsylvania Department of Environmental Protection, the Lancaster County Solid Waste Management Authority (LCSWMA) continues the above referenced water quality monitoring program. Enclosed are the reports for the Third Quarter 2008 sampling event in electronic format (per the CD containing the file CG520808.csv; which should be compatible for importing the data into your LandLinks software).

The laboratory data was reviewed to analyze for changes or trends that may be apparent and as a quality assurance check of the information. In summary:

(A) General

- Each of the eight (8) privately owned contiguous locations were sampled.
- Additionally, two (2) LCSWMA-owned locations were sampled.
- The Forms 52 continue to indicate a holding time exceedence, which is incorrect. No holding times were exceeded this quarter.

(B) VOCs

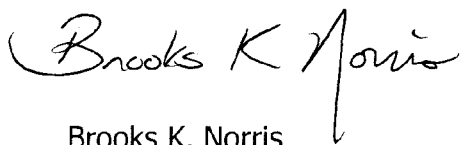
There were no Form 52 volatile organic compounds (VOC) detects at any of the monitored locations.

(C) Water Quality Indicators

All monitored parameters at the ten (10) sampled locations were generally typical of historical and/or seasonal results.

LCSWMA will continue to sample, review and report this information on a quarterly basis with our next sampling currently scheduled to occur in November. Feel free to call if you have any questions or require additional clarification in any regard.

Sincerely,

A handwritten signature in cursive script that reads "Brooks K Norris". The signature is written in black ink and is positioned above the typed name.

Brooks K. Norris
Senior Manager, Technical Services

Enclosures

cc: Jim Warner, Bob Zorbaugh, Bob Eshbach
John Spang (PaDEP w/Forms 52)
Tom Hanlon (PaDEP)
Randy Weiss (PaDEP)



Date Prepared/Revised 10/07/2008
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Act 101 Section 1103	
SECTION A. SITE IDENTIFIER	
Applicant/permittee:	Lancaster County Solid Waste Manage
Site Name:	Creswell Landfill
Facility ID (as issued by DEP):	101389
SECTION B. PRIVATE WATER SUPPLY INFORMATION	

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Creswell Landfill
 County: Lancaster County
 Township or Municipality: Manor Township
 Landowner Name: CHRIS & ELIZABETH BECK
 Address: 3125 River Road
 Phone No.: _____

Sampling Point: Latitude: 39° 57' 11.6" Longitude: 76° 26' 5.4"
 Depth to Water Level: _____ ft. Measured from: Land Surface TOC
 Casing Stick Up: _____ ft. Elevation of Water Level: _____ ft./MSL
 Total Well Depth: _____ ft. Sampling Method: Pumped Bailed
 Sampling Depth: _____ ft. Well Volumes Purged: _____
 Well Purged: Yes No
 Sample Field Filtered (must be 0.45 micron)?: Yes No
 Sample Date:(mm/dd/yy) 08/27/2008 Sample Collection Time: 12:35 PM

Laboratory(ies) Performing Analysis Analytical Laboratory Services, Inc.
 (include address and phone number) 34 Dogwood Lane
Middletown, PA 17057 (717) 944-5541
 Lab Certification Number(s) 22-293
 Lab Analysis Date 09/05/2008

Were any holding times exceeded?: Yes No If yes, please explain in comments field.

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGBCKW

Sample Date

08/27/2008

1. Inorganics (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN (mg/l)	0.1 ND	SM 4500D
BICARBONATE (mg/l)	25	SM 2321
CALCIUM, TOTAL (mg/l)	0.06	EPA 200.7
CALCIUM, DISSOLVED (mg/l)	0.29	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND) (mg)	20 ND	EPA 410.4
CHLORIDE (mg/l)	77.5	EPA 300
FLUORIDE (mg/l)	0.4 ND	EPA 300
IRON, TOTAL (ug/l)	60 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL (mg/l)	0.5 ND	EPA 200.7
MAGNESIUM, DISSOLVED (mg/l)	0.5 ND	EPA 200.7
MANGANESE, TOTAL (ug/l)	10 ND	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	10 ND	EPA 200.7
NITRATE-NITROGEN (mg/l)	10.1	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGBCKW

Sample Date

08/27/2008

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE-NITROGEN (mg/l)	0.1 ND	EPA 300
pH-FIELD (SU)	5.78	FIELD
pH-LAB (SU)	6.11	SM 4500B
POTASSIUM, TOTAL (mg/l)	1.1	EPA 200.7
POTASSIUM, DISSOLVED (mg/l)	1.25	EPA 200.7
SODIUM, TOTAL (mg/l)	68.9	EPA 200.7
SODIUM, DISSOLVED (mg/l)	78.9	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	408	FIELD
SPEC. COND., LAB (umhos/cm)	412	EPA 120.1
SULFATE (mg/l)	8	EPA 300
ALKALINITY (mg/l)	25	SM 2320B
TDS (TOTAL DISSOLVED SOLIDS) (mg/l)	236	SM 2540C
TOC (TOTAL ORGANIC CARBON) (mg/l)	1 ND	SM 5310B
TOTAL PHENOLICS (ug/l)	30 ND	EPA 420.4
TURBIDITY (NTU)	0.1 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No

PS CWCGBCKW

Sample Date

08/27/2008

2. Organics (Enter all data in ug/l)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE (ug/l)	1 ND	EPA 524.2
1,2-DIBROMOETHANE (EDB) (ETHYLENE	1 ND	EPA 524.2
1,1-DICHLOROETHANE (ug/l)	1 ND	EPA 524.2
1,1-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
1,2-DICHLOROETHANE (ug/l)	2 ND	EPA 524.2
cis 1,2-DICHLOROETHENE (ug/l)	2 ND	EPA 524.2
trans 1,2-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
ETHYLBENZENE (ug/l)	1 ND	EPA 524.2
METHYLENE CHLORIDE (ug/l)	2 ND	EPA 524.2
TETRACHLOROETHENE (ug/l)	1 ND	EPA 524.2
TOLUENE (ug/l)	1 ND	EPA 524.2
1,1,1-TRICHLOROETHANE (ug/l)	1 ND	EPA 524.2
TRICHLOROETHENE (ug/l)	1 ND	EPA 524.2
TRICHLOROFLUOROMETHANE (ug/l)	1 ND	EPA 524.2
VINYL CHLORIDE (ug/l)	1 ND	EPA 524.2
XYLENES (TOTAL) (ug/l)	5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.



Date Prepared/Revised 10/07/2008
DEP USE ONLY
Date Received

FORM 52 MUNICIPAL WASTE LANDFILL PRIVATE WATER SUPPLY QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Act 101 Section 1103	
SECTION A. SITE IDENTIFIER	
Applicant/permittee:	Lancaster County Solid Waste Manage
Site Name:	Creswell Landfill
Facility ID (as issued by DEP):	101389
SECTION B. PRIVATE WATER SUPPLY INFORMATION	

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Creswell Landfill
 County: Lancaster County
 Township or Municipality: Manor Township
 Landowner Name: BRIAN BYERS
 Address: 3088 River Road
 Phone No.: _____

Sampling Point: Latitude: 39° 57' 21" Longitude: 76° 26' 7.1"
 Depth to Water Level: _____ ft. Measured from: Land Surface TOC
 Casing Stick Up: _____ ft. Elevation of Water Level: _____ ft./MSL
 Total Well Depth: _____ ft.
 Sampling Depth: _____ ft. Sampling Method: Pumped Bailed
 Well Purged: Yes No Well Volumes Purged: _____
 Sample Field Filtered (must be 0.45 micron)?: Yes No
 Sample Date:(mm/dd/yy) 08/27/2008 Sample Collection Time: 12:21 PM

Laboratory(ies) Performing Analysis Analytical Laboratory Services, Inc.
 (include address and phone number) 34 Dogwood Lane
Middletown, PA 17057 (717) 944-5541
 Lab Certification Number(s) 22-293
 Lab Analysis Date 09/05/2008

Were any holding times exceeded?: Yes No If yes, please explain in comments field.

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGFELW

Sample Date

08/27/2008

1. Inorganics (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN (mg/l)	0.1 ND	SM 4500D
BICARBONATE (mg/l)	13	SM 2321
CALCIUM, TOTAL (mg/l)	25.9	EPA 200.7
CALCIUM, DISSOLVED (mg/l)	29.8	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND) (mg)	20 ND	EPA 410.4
CHLORIDE (mg/l)	48.2	EPA 300
FLUORIDE (mg/l)	0.4 ND	EPA 300
IRON, TOTAL (ug/l)	60 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL (mg/l)	8.6	EPA 200.7
MAGNESIUM, DISSOLVED (mg/l)	10.4	EPA 200.7
MANGANESE, TOTAL (ug/l)	69	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	80	EPA 200.7
NITRATE-NITROGEN (mg/l)	14.7	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGFELW

Sample Date

08/27/2008

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE-NITROGEN (mg/l)	0.1 ND	EPA 300
pH-FIELD (SU)	5.43	FIELD
pH-LAB (SU)	5.92	SM 4500B
POTASSIUM, TOTAL (mg/l)	2.46	EPA 200.7
POTASSIUM, DISSOLVED (mg/l)	2.96	EPA 200.7
SODIUM, TOTAL (mg/l)	18.6	EPA 200.7
SODIUM, DISSOLVED (mg/l)	21.6	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	376	FIELD
SPEC. COND., LAB (umhos/cm)	381	EPA 120.1
SULFATE (mg/l)	30.3	EPA 300
ALKALINITY (mg/l)	13	SM 2320B
TDS (TOTAL DISSOLVED SOLIDS) (mg/l)	237	SM 2540C
TOC (TOTAL ORGANIC CARBON) (mg/l)	1 ND	SM 5310B
TOTAL PHENOLICS (ug/l)	30 ND	EPA 420.4
TURBIDITY (NTU)	0.1 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGFELW

Sample Date

08/27/2008

2. Organics (Enter all data in ug/l)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE (ug/l)	1 ND	EPA 524.2
1,2-DIBROMOETHANE (EDB) (ETHYLENE	1 ND	EPA 524.2
1,1-DICHLOROETHANE (ug/l)	1 ND	EPA 524.2
1,1-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
1,2-DICHLOROETHANE (ug/l)	2 ND	EPA 524.2
cis 1,2-DICHLOROETHENE (ug/l)	2 ND	EPA 524.2
trans 1,2-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
ETHYLBENZENE (ug/l)	1 ND	EPA 524.2
METHYLENE CHLORIDE (ug/l)	2 ND	EPA 524.2
TETRACHLOROETHENE (ug/l)	1 ND	EPA 524.2
TOLUENE (ug/l)	1 ND	EPA 524.2
1,1,1-TRICHLOROETHANE (ug/l)	1 ND	EPA 524.2
TRICHLOROETHENE (ug/l)	1 ND	EPA 524.2
TRICHLOROFLUOROMETHANE (ug/l)	1 ND	EPA 524.2
VINYL CHLORIDE (ug/l)	1 ND	EPA 524.2
XYLENES (TOTAL) (ug/l)	5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.



Date Prepared/Revised 10/07/2008
DEP USE ONLY
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**FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES**

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Act 101 Section 1103	
SECTION A. SITE IDENTIFIER	
Applicant/permittee:	Lancaster County Solid Waste Manage
Site Name:	Creswell Landfill
Facility ID (as issued by DEP):	101389
SECTION B. PRIVATE WATER SUPPLY INFORMATION	

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Creswell Landfill
 County: Lancaster County
 Township or Municipality: Manor Township
 Landowner Name: MRS. VERNA M. GRAVER
 Address: 3060 River Road
 Phone No.: _____

Sampling Point: Latitude: 39° 57' 27.4" Longitude: 76° 26' 10.7"
 Depth to Water Level: _____ ft. Measured from: Land Surface TOC
 Casing Stick Up: _____ ft. Elevation of Water Level: _____ ft./MSL
 Total Well Depth: _____ ft. Sampling Method: Pumped Bailed
 Sampling Depth: _____ ft. Well Volumes Purged: _____
 Well Purged: Yes No
 Sample Field Filtered (must be 0.45 micron)?: Yes No
 Sample Date:(mm/dd/yy) 08/27/2008 Sample Collection Time: 11:11 AM

Laboratory(ies) Performing Analysis Analytical Laboratory Services, Inc.
 (include address and phone number) 34 Dogwood Lane
Middletown, PA 17057 (717) 944-5541
 Lab Certification Number(s) 22-293
 Lab Analysis Date 09/05/2008

Were any holding times exceeded? Yes No If yes, please explain in comments field.

Comments:

**FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES**

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGGRAW

Sample Date

08/27/2008

1. Inorganics (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN (mg/l)	0.1 ND	SM 4500D
BICARBONATE (mg/l)	5 ND	SM 2321
CALCIUM, TOTAL (mg/l)	12.1	EPA 200.7
CALCIUM, DISSOLVED (mg/l)	13.4	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND) (mg)	20 ND	EPA 410.4
CHLORIDE (mg/l)	21.9	EPA 300
FLUORIDE (mg/l)	0.4 ND	EPA 300
IRON, TOTAL (ug/l)	60 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL (mg/l)	13.8	EPA 200.7
MAGNESIUM, DISSOLVED (mg/l)	15.6	EPA 200.7
MANGANESE, TOTAL (ug/l)	107	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	113	EPA 200.7
NITRATE-NITROGEN (mg/l)	18.4	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGGRAW

Sample Date

08/27/2008

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE-NITROGEN (mg/l)	0.1 ND	EPA 300
pH-FIELD (SU)	4.89	FIELD
pH-LAB (SU)	5.56	SM 4500B
POTASSIUM, TOTAL (mg/l)	2.15	EPA 200.7
POTASSIUM, DISSOLVED (mg/l)	2.53	EPA 200.7
SODIUM, TOTAL (mg/l)	6.42	EPA 200.7
SODIUM, DISSOLVED (mg/l)	7.41	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	278	FIELD
SPEC. COND., LAB (umhos/cm)	274	EPA 120.1
SULFATE (mg/l)	12.5	EPA 300
ALKALINITY (mg/l)	5 ND	SM 2320B
TDS (TOTAL DISSOLVED SOLIDS) (mg/l)	224	SM 2540C
TOC (TOTAL ORGANIC CARBON) (mg/l)	1 ND	SM 5310B
TOTAL PHENOLICS (ug/l)	30 ND	EPA 420.4
TURBIDITY (NTU)	0.1 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGGRAW

Sample Date

08/27/2008

2. Organics (Enter all data in ug/l)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE (ug/l)	1 ND	EPA 524.2
1,2-DIBROMOETHANE (EDB) (ETHYLENE)	1 ND	EPA 524.2
1,1-DICHLOROETHANE (ug/l)	1 ND	EPA 524.2
1,1-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
1,2-DICHLOROETHANE (ug/l)	2 ND	EPA 524.2
cis 1,2-DICHLOROETHENE (ug/l)	2 ND	EPA 524.2
trans 1,2-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
ETHYLBENZENE (ug/l)	1 ND	EPA 524.2
METHYLENE CHLORIDE (ug/l)	2 ND	EPA 524.2
TETRACHLOROETHENE (ug/l)	1 ND	EPA 524.2
TOLUENE (ug/l)	1 ND	EPA 524.2
1,1,1-TRICHLOROETHANE (ug/l)	1 ND	EPA 524.2
TRICHLOROETHENE (ug/l)	1 ND	EPA 524.2
TRICHLOROFLUOROMETHANE (ug/l)	1 ND	EPA 524.2
VINYL CHLORIDE (ug/l)	1 ND	EPA 524.2
XYLENES (TOTAL) (ug/l)	5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.



Date Prepared/Revised 10/07/2008
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FORM 52
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PRIVATE WATER SUPPLY
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Applicant/permittee:	Lancaster County Solid Waste Manage
Site Name:	Creswell Landfill
Facility ID (as issued by DEP):	101389
SECTION B. PRIVATE WATER SUPPLY INFORMATION	

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS S")

Facility Name: Creswell Landfill
 County: Lancaster County
 Township or Municipality: Manor Township
 Landowner Name: DAVID C. & PATRICIA S. HILL
 Address: 3106 River Road
 Phone No.: _____

Sampling Point: Latitude: 39° 57' 17.27" Longitude: 76° 26' 5.6"
 Depth to Water Level: _____ ft. Measured from: Land Surface TOC
 Casing Stick Up: _____ ft. Elevation of Water Level: _____ ft./MSL
 Total Well Depth: _____ ft.
 Sampling Depth: _____ ft. Sampling Method: Pumped Bailed
 Well Purged: Yes No Well Volumes Purged: _____
 Sample Field Filtered (must be 0.45 micron): Yes No
 Sample Date:(mm/dd/yy) 08/27/2008 Sample Collection Time: 12:50 PM

Laboratory(ies) Performing Analysis Analytical Laboratory Services, Inc.
 (include address and phone number) 34 Dogwood Lane
Middletown, PA 17057 (717) 944-5541
 Lab Certification Number(s) 22-293
 Lab Analysis Date 09/05/2008

Were any holding times exceeded?: Yes No If yes, please explain in comments field.

Comments:

FORM 52
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PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCQHILW

Sample Date

08/27/2008

1. Inorganics (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN (mg/l)	0.1 ND	SM 4500D
BICARBONATE (mg/l)	10	SM 2321
CALCIUM, TOTAL (mg/l)	15.3	EPA 200.7
CALCIUM, DISSOLVED (mg/l)	15	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND) (mg)	20 ND	EPA 410.4
CHLORIDE (mg/l)	49.7	EPA 300
FLUORIDE (mg/l)	0.4 ND	EPA 300
IRON, TOTAL (ug/l)	100	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL (mg/l)	9.1	EPA 200.7
MAGNESIUM, DISSOLVED (mg/l)	9.18	EPA 200.7
MANGANESE, TOTAL (ug/l)	27	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	25	EPA 200.7
NITRATE-NITROGEN (mg/l)	16.8	EPA 300

T Please indicate detection limit if analyte is not detected.

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PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGHILW

Sample Date

08/27/2008

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE-NITROGEN (mg/l)	0.1 ND	EPA 300
pH-FIELD (SU)	5.46	FIELD
pH-LAB (SU)	6.01	SM 4500B
POTASSIUM, TOTAL (mg/l)	1.63	EPA 200.7
POTASSIUM, DISSOLVED (mg/l)	1.71	EPA 200.7
SODIUM, TOTAL (mg/l)	31.9	EPA 200.7
SODIUM, DISSOLVED (mg/l)	33.8	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	356	FIELD
SPEC. COND., LAB (umhos/cm)	356	EPA 120.1
SULFATE (mg/l)	7.4	EPA 300
ALKALINITY (mg/l)	10	SM 2320B
TDS (TOTAL DISSOLVED SOLIDS) (mg/l)	267	SM 2540C
TOC (TOTAL ORGANIC CARBON) (mg/l)	1 ND	SM 5310B
TOTAL PHENOLICS (ug/l)	30 ND	EPA 420.4
TURBIDITY (NTU)	0.1 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGHILW

Sample Date

08/27/2008

2. Organics (Enter all data in ug/l)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE (ug/l)	1 ND	EPA 524.2
1,2-DIBROMOETHANE (EDB) (ETHYLENE	1 ND	EPA 524.2
1,1-DICHLOROETHANE (ug/l)	1 ND	EPA 524.2
1,1-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
1,2-DICHLOROETHANE (ug/l)	2 ND	EPA 524.2
cis 1,2-DICHLOROETHENE (ug/l)	2 ND	EPA 524.2
trans 1,2-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
ETHYLBENZENE (ug/l)	1 ND	EPA 524.2
METHYLENE CHLORIDE (ug/l)	2 ND	EPA 524.2
TETRACHLOROETHENE (ug/l)	1 ND	EPA 524.2
TOLUENE (ug/l)	1 ND	EPA 524.2
1,1,1-TRICHLOROETHANE (ug/l)	1 ND	EPA 524.2
TRICHLOROETHENE (ug/l)	1 ND	EPA 524.2
TRICHLOROFLUOROMETHANE (ug/l)	1 ND	EPA 524.2
VINYL CHLORIDE (ug/l)	1 ND	EPA 524.2
XYLENES (TOTAL) (ug/l)	5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.



Date Prepared/Revised 10/07/2008
DEP USE ONLY
Date Received

**FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES**

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, reference the item number and identify the date prepared. The "date prepared/ revised" on any attached sheets needs to match the "date prepared/ revised" on this page.

General Reference: Act 101 Section 1103	
SECTION A. SITE IDENTIFIER	
Applicant/permittee:	Lancaster County Solid Waste Manage
Site Name:	Creswell Landfill
Facility ID (as issued by DEP):	101389
SECTION B. PRIVATE WATER SUPPLY INFORMATION	

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Creswell Landfill
 County: Lancaster County
 Township or Municipality: Manor Township
 Landowner Name: LARRY & ANN KIRCHNER
 Address: 3100 River Road
 Phone No.: _____

Sampling Point: Latitude: 39° 57' 17.9" Longitude: 76° 26' 6.28"
 Depth to Water Level: _____ ft. Measured from: Land Surface TOC
 Casing Stick Up: _____ ft. Elevation of Water Level: _____ ft./MSL
 Total Well Depth: _____ ft. Sampling Method: Pumped Bailed
 Sampling Depth: _____ ft. Well Volumes Purged: _____
 Well Purged: Yes No
 Sample Field Filtered (must be 0.45 micron)?: Yes No
 Sample Date:(mm/dd/yy) 08/19/2008 Sample Collection Time: 3:56 PM

Laboratory(ies) Performing Analysis Analytical Laboratory Services, Inc.
 (include address and phone number) 34 Dogwood Lane
Middletown, PA 17057 (717) 944-5541
 Lab Certification Number(s) 22-293
 Lab Analysis Date 08/29/2008

Were any holding times exceeded?: Yes No If yes, please explain in comments field.
 Comments: _____

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGKIRW

Sample Date

08/19/2008

1. Inorganics (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN (mg/l)	0.1 ND	SM 4500D
BICARBONATE (mg/l)	25	SM 2321
CALCIUM, TOTAL (mg/l)	19.5	EPA 200.7
CALCIUM, DISSOLVED (mg/l)	18.8	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND) (mg)	20 ND	EPA 410.4
CHLORIDE (mg/l)	28.3	EPA 300
FLUORIDE (mg/l)	0.4 ND	EPA 300
IRON, TOTAL (ug/l)	60 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL (mg/l)	10.3	EPA 200.7
MAGNESIUM, DISSOLVED (mg/l)	8.85	EPA 200.7
MANGANESE, TOTAL (ug/l)	13	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	13	EPA 200.7
NITRATE-NITROGEN (mg/l)	10.9	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGKIRW

Sample Date

08/19/2008

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE-NITROGEN (mg/l)	0.1 ND	EPA 300
pH-FIELD (SU)	6.73	FIELD
pH-LAB (SU)	6.24	SM 4500B
POTASSIUM, TOTAL (mg/l)	1.93	EPA 200.7
POTASSIUM, DISSOLVED (mg/l)	1.84	EPA 200.7
SODIUM, TOTAL (mg/l)	15.7	EPA 200.7
SODIUM, DISSOLVED (mg/l)	14	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	273	FIELD
SPEC. COND., LAB (umhos/cm)	256	EPA 120.1
SULFATE (mg/l)	9.7	EPA 300
ALKALINITY (mg/l)	25	SM 2320B
TDS (TOTAL DISSOLVED SOLIDS) (mg/l)	185	SM 2540C
TOC (TOTAL ORGANIC CARBON) (mg/l)	1 ND	SM 5310B
TOTAL PHENOLICS (ug/l)	30 ND	EPA 420.4
TURBIDITY (NTU)	0.1 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGKIRW

Sample Date

08/19/2008

2. Organics (Enter all data in ug/l)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE (ug/l)	1 ND	EPA 524.2
1,2-DIBROMOETHANE (EDB) (ETHYLENE	1 ND	EPA 524.2
1,1-DICHLOROETHANE (ug/l)	1 ND	EPA 524.2
1,1-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
1,2-DICHLOROETHANE (ug/l)	2 ND	EPA 524.2
cis 1,2-DICHLOROETHENE (ug/l)	2 ND	EPA 524.2
trans 1,2-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
ETHYLBENZENE (ug/l)	1 ND	EPA 524.2
METHYLENE CHLORIDE (ug/l)	2 ND	EPA 524.2
TETRACHLOROETHENE (ug/l)	1 ND	EPA 524.2
TOLUENE (ug/l)	1 ND	EPA 524.2
1,1,1-TRICHLOROETHANE (ug/l)	1 ND	EPA 524.2
TRICHLOROETHENE (ug/l)	1 ND	EPA 524.2
TRICHLOROFUOROMETHANE (ug/l)	1 ND	EPA 524.2
VINYL CHLORIDE (ug/l)	1 ND	EPA 524.2
XYLENES (TOTAL) (ug/l)	5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.



Date Prepared/Revised 10/07/2008
DEP USE ONLY
Date Received

FORM 52 MUNICIPAL WASTE LANDFILL PRIVATE WATER SUPPLY QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Act 101 Section 1103	
SECTION A. SITE IDENTIFIER	
Applicant/permittee:	Lancaster County Solid Waste Manage
Site Name:	Creswell Landfill
Facility ID (as issued by DEP):	101389
SECTION B. PRIVATE WATER SUPPLY INFORMATION	

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Creswell Landfill
 County: Lancaster County
 Township or Municipality: Manor Township
 Landowner Name: GERALD E., SR & JUDITH MILLE
 Address: 3052 River Road
 Phone No.: _____

Sampling Point: Latitude: 39° 57' 29.85" Longitude: 76° 26' 11.45"
 Depth to Water Level: _____ ft. Measured from: Land Surface TOC
 Casing Stick Up: _____ ft. Elevation of Water Level: _____ ft./MSL
 Total Well Depth: _____ ft.
 Sampling Depth: _____ ft. Sampling Method: Pumped Bailed
 Well Purged: Yes No Well Volumes Purged: _____
 Sample Field Filtered (must be 0.45 micron)?: Yes No
 Sample Date:(mm/dd/yy) 08/27/2008 Sample Collection Time: 10:59 AM

Laboratory(ies) Performing Analysis Analytical Laboratory Services, Inc.
 (include address and phone number) 34 Dogwood Lane
Middletown, PA 17057 (717) 944-5541
 Lab Certification Number(s) 22-293
 Lab Analysis Date 09/05/2008

Were any holding times exceeded?: Yes No If yes, please explain in comments field.

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGMILW

Sample Date

08/27/2008

1. Inorganics (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN (mg/l)	0.1 ND	SM 4500D
BICARBONATE (mg/l)	123	SM 2321
CALCIUM, TOTAL (mg/l)	54.4	EPA 200.7
CALCIUM, DISSOLVED (mg/l)	62.2	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND) (mg)	20 ND	EPA 410.4
CHLORIDE (mg/l)	18.8	EPA 300
FLUORIDE (mg/l)	0.4 ND	EPA 300
IRON, TOTAL (ug/l)	60 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL (mg/l)	11	EPA 200.7
MAGNESIUM, DISSOLVED (mg/l)	12.9	EPA 200.7
MANGANESE, TOTAL (ug/l)	10 ND	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	10 ND	EPA 200.7
NITRATE-NITROGEN (mg/l)	18.9	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGMILW

Sample Date

08/27/2008

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE-NITROGEN (mg/l)	0.1 ND	EPA 300
pH-FIELD (SU)	6.48	FIELD
pH-LAB (SU)	7.34	SM 4500B
POTASSIUM, TOTAL (mg/l)	1.93	EPA 200.7
POTASSIUM, DISSOLVED (mg/l)	2.13	EPA 200.7
SODIUM, TOTAL (mg/l)	7.24	EPA 200.7
SODIUM, DISSOLVED (mg/l)	7.61	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	459	FIELD
SPEC. COND., LAB (umhos/cm)	455	EPA 120.1
SULFATE (mg/l)	5 ND	EPA 300
ALKALINITY (mg/l)	123	SM 2320B
TDS (TOTAL DISSOLVED SOLIDS) (mg/l)	281	SM 2540C
TOC (TOTAL ORGANIC CARBON) (mg/l)	1 ND	SM 5310B
TOTAL PHENOLICS (ug/l)	30 ND	EPA 420.4
TURBIDITY (NTU)	0.1 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGMILW

Sample Date

08/27/2008

2. Organics (Enter all data in ug/l)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE (ug/l)	1 ND	EPA 524.2
1,2-DIBROMOETHANE (EDB) (ETHYLENE	1 ND	EPA 524.2
1,1-DICHLOROETHANE (ug/l)	1 ND	EPA 524.2
1,1-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
1,2-DICHLOROETHANE (ug/l)	2 ND	EPA 524.2
cis 1,2-DICHLOROETHENE (ug/l)	2 ND	EPA 524.2
trans 1,2-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
ETHYLBENZENE (ug/l)	1 ND	EPA 524.2
METHYLENE CHLORIDE (ug/l)	2 ND	EPA 524.2
TETRACHLOROETHENE (ug/l)	1 ND	EPA 524.2
TOLUENE (ug/l)	1 ND	EPA 524.2
1,1,1-TRICHLOROETHANE (ug/l)	1 ND	EPA 524.2
TRICHLOROETHENE (ug/l)	1 ND	EPA 524.2
TRICHLOROFLUOROMETHANE (ug/l)	1 ND	EPA 524.2
VINYL CHLORIDE (ug/l)	1 ND	EPA 524.2
XYLENES (TOTAL) (ug/l)	5 ND	EPA 524.2

⌈ Please indicate detection limit if analyte is not detected.



Date Prepared/Revised 10/07/2008
DEP USE ONLY
Date Received

**FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES**

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Act 101 Section 1103	
SECTION A. SITE IDENTIFIER	
Applicant/permittee:	Lancaster County Solid Waste Manage
Site Name:	Creswell Landfill
Facility ID (as issued by DEP):	101389
SECTION B. PRIVATE WATER SUPPLY INFORMATION	

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Creswell Landfill
 County: Lancaster County
 Township or Municipality: Manor Township
 Landowner Name: MR. BRIAN SENSENICH
 Address: 3076 River Road
 Phone No.: _____

Sampling Point: Latitude: 39° 57' 28.2" Longitude: 76° 26' 11.1"
 Depth to Water Level: _____ ft. Measured from: Land Surface TOC
 Casing Stick Up: _____ ft. Elevation of Water Level: _____ ft./MSL
 Total Well Depth: _____ ft. Sampling Method: Pumped Bailed
 Sampling Depth: _____ ft. Well Volumes Purged: _____
 Well Purged: Yes No
 Sample Field Filtered (must be 0.45 micron)?: Yes No
 Sample Date:(mm/dd/yy) 08/27/2008 Sample Collection Time: 12:09 PM

Laboratory(ies) Performing Analysis Analytical Laboratory Services, Inc.
 (include address and phone number) 34 Dogwood Lane
Middletown, PA 17057 (717) 944-5541
 Lab Certification Number(s) 22-293
 Lab Analysis Date 09/05/2008

Were any holding times exceeded? Yes No If yes, please explain in comments field.

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGSCHW

Sample Date

08/27/2008

1. Inorganics (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN (mg/l)	0.1 ND	SM 4500D
BICARBONATE (mg/l)	9	SM 2321
CALCIUM, TOTAL (mg/l)	13.2	EPA 200.7
CALCIUM, DISSOLVED (mg/l)	15.3	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND) (mg)	20 ND	EPA 410.4
CHLORIDE (mg/l)	35.2	EPA 300
FLUORIDE (mg/l)	0.4 ND	EPA 300
IRON, TOTAL (ug/l)	60 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL (mg/l)	7.52	EPA 200.7
MAGNESIUM, DISSOLVED (mg/l)	9.2	EPA 200.7
MANGANESE, TOTAL (ug/l)	178	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	200	EPA 200.7
NITRATE-NITROGEN (mg/l)	10.6	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No

PS CWCGSCHW

Sample Date

08/27/2008

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE-NITROGEN (mg/l)	0.1 ND	EPA 300
pH-FIELD (SU)	5.35	FIELD
pH-LAB (SU)	5.84	SM 4500B
POTASSIUM, TOTAL (mg/l)	2.83	EPA 200.7
POTASSIUM, DISSOLVED (mg/l)	3.16	EPA 200.7
SODIUM, TOTAL (mg/l)	14.4	EPA 200.7
SODIUM, DISSOLVED (mg/l)	15.6	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	267	FIELD
SPEC. COND., LAB (umhos/cm)	264	EPA 120.1
SULFATE (mg/l)	15.6	EPA 300
ALKALINITY (mg/l)	9	SM 2320B
TDS (TOTAL DISSOLVED SOLIDS) (mg/l)	176	SM 2540C
TOC (TOTAL ORGANIC CARBON) (mg/l)	1 ND	SM 5310B
TOTAL PHENOLICS (ug/l)	30 ND	EPA 420.4
TURBIDITY (NTU)	0.1 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGSCHW

Sample Date

08/27/2008

2. Organics (Enter all data in ug/l)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE (ug/l)	1 ND	EPA 524.2
1,2-DIBROMOETHANE (EDB) (ETHYLENE	1 ND	EPA 524.2
1,1-DICHLOROETHANE (ug/l)	1 ND	EPA 524.2
1,1-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
1,2-DICHLOROETHANE (ug/l)	2 ND	EPA 524.2
cis 1,2-DICHLOROETHENE (ug/l)	2 ND	EPA 524.2
trans 1,2-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
ETHYLBENZENE (ug/l)	1 ND	EPA 524.2
METHYLENE CHLORIDE (ug/l)	2 ND	EPA 524.2
TETRACHLOROETHENE (ug/l)	1 ND	EPA 524.2
TOLUENE (ug/l)	1 ND	EPA 524.2
1,1,1-TRICHLOROETHANE (ug/l)	1 ND	EPA 524.2
TRICHLOROETHENE (ug/l)	1 ND	EPA 524.2
TRICHLOROFLUOROMETHANE (ug/l)	1 ND	EPA 524.2
VINYL CHLORIDE (ug/l)	1 ND	EPA 524.2
XYLENES (TOTAL) (ug/l)	5 ND	EPA 524.2

† Please indicate detection limit if analyte is not detected.



Date Prepared/Revised 10/07/2008
DEP USE ONLY
Date Received

**FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES**

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Act 101 Section 1103	
SECTION A. SITE IDENTIFIER	
Applicant/permittee:	Lancaster County Solid Waste Manage
Site Name:	Creswell Landfill
Facility ID (as issued by DEP):	101389
SECTION B. PRIVATE WATER SUPPLY INFORMATION	

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Creswell Landfill
 County: Lancaster County
 Township or Municipality: Manor Township
 Landowner Name: NELSON L. & NANCY E. SMITH
 Address: 3044 River Road
 Phone No.: _____

Sampling Point: Latitude: 39° 57' 30.85" Longitude: 76° 26' 11.25"
 Depth to Water Level: _____ ft. Measured from: Land Surface TOC
 Casing Stick Up: _____ ft. Elevation of Water Level: _____ ft./MSL
 Total Well Depth: _____ ft. Sampling Method: Pumped Bailed
 Sampling Depth: _____ ft. Well Volumes Purged: _____
 Well Purged: Yes No
 Sample Field Filtered (must be 0.45 micron)?: Yes No
 Sample Date:(mm/dd/yy) 08/27/2008 Sample Collection Time: 10:49 AM

Laboratory(ies) Performing Analysis Analytical Laboratory Services, Inc.
 (include address and phone number) 34 Dogwood Lane
Middletown, PA 17057 (717) 944-5541
 Lab Certification Number(s) 22-293
 Lab Analysis Date 09/05/2008

Were any holding times exceeded?: Yes No If yes, please explain in comments field.

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGSMIW

Sample Date

08/27/2008

1. Inorganics (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN (mg/l)	0.1 ND	SM 4500D
BICARBONATE (mg/l)	9	SM 2321
CALCIUM, TOTAL (mg/l)	13.7	EPA 200.7
CALCIUM, DISSOLVED (mg/l)	16.3	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND) (mg)	20 ND	EPA 410.4
CHLORIDE (mg/l)	17.4	EPA 300
FLUORIDE (mg/l)	0.4 ND	EPA 300
IRON, TOTAL (ug/l)	60 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL (mg/l)	9.94	EPA 200.7
MAGNESIUM, DISSOLVED (mg/l)	12.2	EPA 200.7
MANGANESE, TOTAL (ug/l)	25	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	28	EPA 200.7
NITRATE-NITROGEN (mg/l)	19.5	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGSMIW

Sample Date

08/27/2008

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE-NITROGEN (mg/l)	0.1 ND	EPA 300
pH-FIELD (SU)	4.87	FIELD
pH-LAB (SU)	5.9	SM 4500B
POTASSIUM, TOTAL (mg/l)	1.66	EPA 200.7
POTASSIUM, DISSOLVED (mg/l)	2.18	EPA 200.7
SODIUM, TOTAL (mg/l)	9.01	EPA 200.7
SODIUM, DISSOLVED (mg/l)	9.94	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	258	FIELD
SPEC. COND., LAB (umhos/cm)	250	EPA 120.1
SULFATE (mg/l)	5 ND	EPA 300
ALKALINITY (mg/l)	9	SM 2320B
TDS (TOTAL DISSOLVED SOLIDS) (mg/l)	185	SM 2540C
TOC (TOTAL ORGANIC CARBON) (mg/l)	1 ND	SM 5310B
TOTAL PHENOLICS (ug/l)	30 ND	EPA 420.4
TURBIDITY (NTU)	0.1 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number

101389

Monitoring Point I.D. No.

PS CWCGSMIW

Sample Date

08/27/2008

2. Organics (Enter all data in ug/l)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE (ug/l)	1 ND	EPA 524.2
1,2-DIBROMOETHANE (EDB) (ETHYLENE	1 ND	EPA 524.2
1,1-DICHLOROETHANE (ug/l)	1 ND	EPA 524.2
1,1-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
1,2-DICHLOROETHANE (ug/l)	2 ND	EPA 524.2
cis 1,2-DICHLOROETHENE (ug/l)	2 ND	EPA 524.2
trans 1,2-DICHLOROETHENE (ug/l)	1 ND	EPA 524.2
ETHYLBENZENE (ug/l)	1 ND	EPA 524.2
METHYLENE CHLORIDE (ug/l)	2 ND	EPA 524.2
TETRACHLOROETHENE (ug/l)	1 ND	EPA 524.2
TOLUENE (ug/l)	1 ND	EPA 524.2
1,1,1-TRICHLOROETHANE (ug/l)	1 ND	EPA 524.2
TRICHLOROETHENE (ug/l)	1 ND	EPA 524.2
TRICHLOROFUOROMETHANE (ug/l)	1 ND	EPA 524.2
VINYL CHLORIDE (ug/l)	1 ND	EPA 524.2
XYLENES (TOTAL) (ug/l)	5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.