



# Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Source Site Certification by Owner or Operator for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-662

Uncontaminated soil, including uncontaminated soil mixed with other construction or demolition debris (CCDD) materials, accepted at a CCDD fill operation must be certified to be uncontaminated soil in accordance with Section 22.51(f)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B)]. Uncontaminated soil accepted at an uncontaminated soil fill operation must be certified to be uncontaminated soil in accordance with Section 22.51a(d)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51a(d)(2)(B)]. Uncontaminated soil from a site that has never been used for industrial or commercial purposes may be certified by the site owner or operator of the site from which the soil was removed by completing this form. Uncontaminated soil from a site that has been used for commercial or industrial purposes must be certified by a licensed professional engineer or a licensed professional geologist using LPC-663. If you have questions about this form, telephone the Bureau of Land Permit Section at 217-524-3300.

### 1. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: \_\_\_\_\_ Office Phone Number, if available: \_\_\_\_\_

Physical Site Location (Street, Road): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

County: \_\_\_\_\_ Township: \_\_\_\_\_

Latitude and Longitude of approximate center of site:

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

IEPA Site Number(s), if assigned: \_\_\_\_\_ BOL: \_\_\_\_\_ BOW: \_\_\_\_\_ BOA: \_\_\_\_\_

### 2. Owner/Operator Information for Source Site

Site Owner

Site Operator

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

PO Box: \_\_\_\_\_

PO Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Contact: \_\_\_\_\_

Contact: \_\_\_\_\_

Email, if available: \_\_\_\_\_

Email, if available: \_\_\_\_\_

*Exhibit #5  
A129  
9/20/11  
MWT*

Source Site Certification

**3. Basis for Certification & Attachments**

Explain the basis upon which you are certifying that this site has never been used for commercial or industrial purposes and the soil is presumed to be uncontaminated soil.

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List all attached documents supporting the certification:

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**4. Source Site Owner or Operator's Certification Statement & Signature**

In accordance with the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B) or 5/22.51a(d)(2)(B), I certify that this site has never been used for commercial or industrial purposes and the soil is presumed to be uncontaminated soil. I also certify that I am either the site owner or site operator or a duly authorized representative of the site owner or site operator and am authorized to sign this form. Furthermore, I certify that all information submitted, including but not limited to all attachments and other information is, to the best of my knowledge and belief, true, accurate and complete.

***Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))***

\_\_\_\_\_  
Source Site Owner or Operator's Signature:

\_\_\_\_\_  
Date:

\_\_\_\_\_  
Printed Name:

\_\_\_\_\_  
Title:



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## Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Uncontaminated soil, including uncontaminated soil mixed with other clean construction or demolition debris (CCDD) materials, accepted at a CCDD fill operation must be certified to be uncontaminated soil in accordance with Section 22.51(f)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B)]. Uncontaminated soil accepted at an uncontaminated soil fill operation must be certified to be uncontaminated soil in accordance with Section 22.51a(d)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51a(d)(2)(B)]. These certifications must be made by a licensed professional engineer or a licensed professional geologist using this form, LPC-663, when the soil is removed from a site that has been used for commercial or industrial purposes. Uncontaminated soil from a site that has not been used for commercial or industrial purposes may be certified by either the site owner or operator using LPC-662 or by a licensed professional engineer or licensed professional geologist using this form. If you have any questions about this form, telephone the Bureau of Land, Permit Section at 217-524-3300.

### 1. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: \_\_\_\_\_ Office Phone Number, if available: \_\_\_\_\_

Physical Site Location (Street, Road): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

County: \_\_\_\_\_ Township: \_\_\_\_\_

Latitude and Longitude of approximate center of site:

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

IEPA Site ID Number(s), if assigned: BOL: \_\_\_\_\_ BOW: \_\_\_\_\_ BOA: \_\_\_\_\_

### 2. Owner/Operator Identification - For Source Site

Site Owner

Site Operator

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

PO Box: \_\_\_\_\_

PO Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Contact: \_\_\_\_\_

Contact: \_\_\_\_\_

Email, if available: \_\_\_\_\_

Email, if available: \_\_\_\_\_

*EXHIBIT #6  
R12-9  
9/24/11  
MST*

Project Name: \_\_\_\_\_

Latitude and Longitude of approximate center of site:

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

**3. Basis for Certification and Attachments**

Explain the basis upon which you are certifying that the soil from this site is uncontaminated soil.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attachments: (check all that apply)

- Laboratory Analyses
- Laboratory Accreditation Status
- Authorized Agent Certification
- Other(s) Describe \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**4. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist**

I certify under penalty of law that the information submitted, including but not limited to all attachments and other information, is, to the best of my knowledge and belief, true, accurate, and complete. In accordance with the Environmental Protection Act 415 ILCS 5/22.51a(f)(2)(B) or 5/22.51a(d)(2)(B), I certify that the soil from this site is uncontaminated soil. All necessary documentation is attached.

***Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))***

Company Name: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Phone: \_\_\_\_\_

\_\_\_\_\_  
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

\_\_\_\_\_  
Date:

\_\_\_\_\_  
Printed Name:

\_\_\_\_\_  
P.E. or L.P.G. Seal:

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF: )
PROPOSED AMENDMENTS TO CLEAN )
CONSTRUCTION OR DEMOLITION ) R12-9
DEBRIS FILL OPERATIONS (CCDD): ) (Rulemaking -Land)
PROPOSED AMENDMENTMENTS TO 35 Ill. )
Adm. Code 1100 )

ERRATA SHEET NUMBER 1

NOW COMES the Illinois Environmental Protection Agency ("Illinois EPA"), by and through one of its attorneys, Stephanie Flowers, and submits this ERRATA SHEET NUMBER 1 to the Illinois Pollution Control Board ("Board") and the participants on the Service List. Testimony in support of these amendments is provided by Tom Hornshaw and Steve Nightingale in pre-filed written testimony, which is also being served upon the Board and the Service List.

1. Section 1100.101(b)(3)

The Illinois EPA proposes to make the following underlined amendment to Section 1100.101(b)(3).

- b) This Part does not apply to:
3) The use of CCDD or uncontaminated soil as fill material in an excavation other than a current or former quarry or mine if the use complies with Illinois Department of Transportation specifications;

Board Note: The Illinois Department of Transportation (IDOT) specifications applicable to the use of CCDD or uncontaminated soil as fill can be found at Articles 107.22 and 202.03 of IDOT's "Standard Specifications for Road and Bridge Construction." According to IDOT specifications, this exemption applies to IDOT, a county, a municipality, or a township.

2. Section 1100.103 Definitions

The Illinois EPA proposes to make the following amendments to Section 1100.103 shown by strikeout or underline.

Exhibit 7
R12-9
10/28/11
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*"Clean construction or demolition debris" means uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, reclaimed or other asphalt pavement, or soil generated from construction or demolition activities. For purposes of this Part, CCDD may include uncontaminated broken concrete without protruding metal bars, bricks, rocks, stone, reclaimed or other asphalt pavement that has been painted ("painted CCDD") if the painted CCDD is used as fill material at a CCDD fill operation in accordance with Section 1100.212 of this Part.*

*Clean construction or demolition debris does not include uncontaminated soil generated during construction, remodeling, repair, and demolition of utilities, structures, and roads provided the uncontaminated soil is not commingled with any clean construction or demolition debris or other waste. For purposes of this Part, uncontaminated soil may include incidental amounts of stone, ~~clay~~, rock, ~~sand~~, gravel, roots and other vegetation.*

"Mine" means an excavation created for the purpose of extracting ore or minerals, including, but not limited to, coal.

"Other excavation" means a pit other than a quarry or mine created primarily for the purpose of extracting resources including, but not limited to, clay or other soil (e.g. soil, sand, gravel, clay) and does not include holes, trenches, or similar earth removal created as part of normal construction, removal, or maintenance of a structure, utility, or transportation infrastructure.

"Potentially impacted property" means property on which a historical or current use, or contaminant migration from a proximate site, increases the presence or potential presence of contamination at the source site.

~~Board Note:~~ "Potentially impacted property" is intended to identify soil that is more likely to be contaminated and in need of professional evaluation and certification before placement in a fill site. The following should be considered when determining whether property is "potentially impacted property": the current use of the property, prior uses of the property, and the uses of adjoining property. For example, for transportation rights of way or utility easements, the current use of the property as a right of way or easement, the uses of the property prior to its use as a right of way or easement, and the uses of adjoining property should be considered. Source site owners are encouraged to coordinate with the receiving facility on soil certifications.

"Quarry" means an open surface excavation or pit created for the purpose of extracting stone, rocks, sand, or gravel.

### 3. Section 1100.104

The Illinois EPA proposes to make the following amendment to Section 1100.104 shown by strikeout or underline.

NTIS. National Technical Information Service, 5285 Port Royal Road,  
Springfield, VA 22161, (800) 553-6847:

Test Methods for Evaluating Solid Waste, Physical/Chemical methods,  
EPA Publication SW-846 (Third Edition, 1986 as amended by Updates I,  
II, IIA, IIB, III, IIIA, IIIB, IVA and IVB and ~~IV~~).

### 4. Section 1100.205(b)(5)

The Illinois EPA proposes to make the following amendments to Section 1100.205(b)(5) shown by strikeout or underline.

- b) The owner or operator must institute and conduct a load checking program designed to detect attempts to dispose of waste at the facility. At a minimum, the load checking program must consist of the following components:
  - 5) The owner or operator must take special precautionary measures ~~as specified in the Agency permit~~ prior to accepting loads from persons or sources found or suspected to be responsible for sending or transporting material other than CCDD or uncontaminated soil to the facility. The special precautionary measures may include, but are not limited to, communication with the source site owner or source site operator of the CCDD or uncontaminated soil, communication with the PE or PG certifying pursuant to subsection (a)(1)(B) of this Section, questioning the driver about the load prior to its discharge and increased visual inspection and instrument testing of the load.

### 5. Section 1100.212

The Illinois EPA proposes to make the following amendments to Section 1100.212 shown by strikeout or underline.

For purposes of this Part, ~~CCDD may include~~ uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, or reclaimed or other asphalt pavement that has been painted ("painted CCDD") may be used as fill material at a CCDD fill operation if the painted CCDD is used as fill material at a CCDD fill operation. Painted CCDD may be used as fill material at a CCDD fill operation if it is evaluated analytically under the supervision of a PE and if all requirements of this Section are satisfied. Acceptance or management of painted CCDD for any purpose other than use as fill material at a CCDD fill operation must be in accordance with applicable law and may require a permit(s) or

beneficial use determination(s) from the Agency. Such other purposes include, but are not limited to, processing of painted CCDD for reuse.

~~BOARD NOTE: Acceptance or management of painted CCDD for any purpose other than use as fill material at a CCDD fill operation must be in accordance with applicable law and may require a permit(s) or beneficial use determination(s) from the Agency. Such other purposes include, but are not limited to, processing of painted CCDD for reuse.~~

- a) The PE must determine on a site-specific basis the number and location of paint samples that will provide a representative analysis of paint from the painted CCDD to be used as fill material.
- b) The PE must obtain paint samples consisting of representative paint chips or scrapings that include all layers of paint in the area sampled and that minimize the amount of substrate in the sample.
- c) Paint samples must be analyzed for arsenic, cadmium, chromium (total), lead, mercury and zinc ("contaminants of concern") using the TCLP or SPLP extraction test analytical procedures in accordance with Methods 1311 and 1312 respectively in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," USEPA Publication No. SW-846.
  - 1) Paint samples must not be composited for analysis, and analytical Analytical results from paint samples must not be averaged.
  - 2) All quantitative analyses of paint samples must be completed by an accredited laboratory in accordance with the requirements of 35 Ill. Adm. Code 186 and the scope of the accreditation.
  - 3) Documentation of any chemical analysis must include, but is not limited to:
    - A) Chain of custody control;
    - B) A copy of the lab analysis;
    - C) Accreditation status of the laboratory performing the analysis; and
    - D) Certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental laboratories and the scope of the accreditation.
- d) For painted CCDD to be used as fill material, analytical results for each paint sample must not exceed the chemical-specific Class I groundwater quality



standard at 35 Ill. Adm. Code 620.410 for any contaminant of concern identified in subsection (c) of this Section.

#### 6. Section 1100.600(d)(3)

The Illinois EPA proposes to make the following amendment to Section 1100.600(d)(3) shown by strikeout or underline.

- d) Soil or materials to which this Subpart F does not apply include, but are not limited to:
  - 3) Soil that has been *removed from a site as part of cleanup or removal of contaminants, including, but not limited to, activities conducted under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended; as part of a closure of corrective action under the Resource Conservation and Recovery Act, as amended; or under an Agency remediation program, such as the leaking Underground Storage Tank Program or Site Remediation Program, but excluding sites subject to Section 58.16 of [the] Act (415 ILCS 5/58.16) where there is no presence or likely presence of a release or a substantial threat of a release of a regulated substance at, on or from the real property and excluding soil that is uncontaminated and has not been excavated or treated as part of the cleanup or removal of contaminants. [415 ILCS 5/22.51(f)(2)(C), 5/22.51a(d)(2)(C) ~~5/22.51(d)(2)(C)~~].*

#### 7. Section 1100.605(a)(5)

The Illinois EPA proposes to make the following underlined amendment to Section 1100.605(a)(5).

- a) Except as provided for background concentrations in subsection (b) of this Section, the maximum allowable concentrations for chemical constituents in uncontaminated soil must be determined pursuant to subsections (a)(1) through (a)(5) of this Section.
  - 5) The total concentration of organic contaminants may not exceed the attenuation capacity of the soil as determined in accordance with subsections (b)(1) and (b)(1)(A) of 35 Ill. Adm. Code 742.215 using a default value of 2000 mg/kg for the natural organic carbon fraction ( $f_{oc}$ ).

#### 8. Section 1100.610

The Illinois EPA proposes to make the following amendments to Section 1100.610 shown by strikeout or underline.

- a) For purposes of this Subpart F, the chemical constituents to be evaluated, if any, and the soil sample points must be determined on a site-specific basis by the professional engineer or professional geologist.
- b) If soil sampling and analysis are used to evaluate compliance with the maximum allowable concentrations for chemical constituents in uncontaminated soils, compliance generally must be determined by comparing total soil concentrations from the laboratory reports with the maximum allowable concentrations as determined pursuant to Section 1100.605 of this Part. The following procedures will be required, as applicable, when making the comparisons for ionizing organic constituents and inorganic constituents:
  - 1) If the background value from 35 Ill. Adm. Code 742.Appendix A, Tables G or H was determined to be the maximum allowable concentration for an ionizing organic constituent or an inorganic constituent, a direct comparison of that value with the total soil concentration from the laboratory report must be used to evaluate compliance.
  - 2) For ionizing organic constituents, if, as determined pursuant to Section 1100.605 of this Part, the lowest Tier 1 chemical-specific soil value is for the soil component of the Class I groundwater ingestion exposure route, the total soil concentration from the laboratory report must be compared with the lowest corresponding pH-dependent value in 35 Ill. Adm. Code 742.Appendix B, Table C.
  - 3) For inorganic constituents, if, as determined pursuant to Section 1100.605 of this Part, the lowest Tier 1 chemical-specific soil value is for the soil component of the Class I groundwater ingestion exposure route, compliance must be evaluated by comparing the total soil concentration from the laboratory report using the following methods:
    - A) Total soil concentrations from the laboratory report must be compared with the lowest chemical-specific, pH-dependent value for the soil component of the Class I groundwater ingestion exposure route in Appendix B, Table C; or
    - B) For inorganic chemical constituents that are listed in Appendix B, Table A but not in Appendix B, Table C, the total soil concentrations from the laboratory report must be compared with the product of the extraction test values for the soil component of the Class I groundwater ingestion exposure route in Appendix B, Table A multiplied by twenty (20) to convert to total soil concentration values; or

- C) As an alternative to subsections (a)(3)(A) and (a)(3)(B) of this Section, concentrations in the extract from the Toxicity Characteristic Leaching Procedure (TCLP) or Synthetic Precipitation Leaching Procedure (SPLP) analytical extraction test in accordance with Methods 1311 and 1312, respectively, in SW-846 may be compared with the chemical-specific extraction test values for the Class I soil component of the groundwater ingestion exposure route in Appendix B, Table A.
- c) *Chemical analysis of soil samples conducted under this Subpart F must be conducted in accordance with the requirements of 35 Ill. Adm. Code 742, as amended, ~~---~~ and "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," USEPA Publication No. SW-846, as amended, incorporated by reference at Section 1100.104 of this Part (SW-846). [415 ILCS 5/22.51(f)(3), 22.51a(d)(3)] If SW-846 methods do not support detection at the concentration specified for a particular chemical constituent (e.g., aldicarb, carbofuran, endothall), the laboratory may use modified or alternative methods available to the laboratory to achieve the lowest practical detection level possible. If concentrations of these constituents in soil are demonstrated to be equal to or lower than the applicable maximum allowable concentrations using modified or alternative methods pursuant to this subsection (c), the soil may be certified as complying with the maximum allowable concentrations.*
- d) Samples must not be composited for analysis, and analytical ~~Analytical~~ results from samples must not be averaged.
- e) All quantitative analyses of samples must be completed by an accredited laboratory in accordance with the requirements of 35 Ill. Adm. Code 186 and the scope of the accreditation. *Documentation of any chemical analysis must include, but is not limited to:*
- 1) Chain of custody control;
  - 2) *A copy of the lab analysis;*
  - 3) *Accreditation status of the laboratory performing the analysis; and*
  - 4) *Certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental laboratories and the scope of the accreditation. [415 ILCS 5/22.51(f)(2)(D)]*

## 9. Section 1100.615(a)

The Illinois EPA proposes to make the following amendment to Section 1100.615(a) shown by strikeout or underline.

- a) Uncontaminated soil may include incidental amounts of stone, ~~el~~ay, rock, sand, gravel, roots, and other vegetation.

#### 10. Section 1100.720(b)

The Illinois EPA proposes to make the following amendment to Section 1100.720(b) shown by ~~strikeout~~ or underline.

- b) Except as provided in ~~subsection (d)~~ Section 1100.760, throughout the compliance period as defined in Section 1100.715, the owner or operator must measure compliance with the Class I groundwater quality standards at the compliance point, or compliance points if more than one such point exists.

#### 11. Section 1100.745

The Illinois EPA proposes to make the following amendments to Section 1100.745 shown by ~~strikeout~~ or underline.

If monitoring results collected pursuant to Sections 1100.735 and 1100.740 show that a Class I groundwater quality standard has been exceeded, the owner or operator must:

- a) Within 60 days of the date the groundwater sample was collected, notify the Agency in writing of the exceedance. The notification must indicate which Class I groundwater quality standards have been exceeded, include the analytical results showing the exceedance, and identify the groundwater monitoring well where the exceedance has occurred.
- b) Within 60 days of the date the groundwater sample was collected, resample the groundwater in all monitoring wells where a Class I groundwater quality standard has been exceeded and measure the concentration of each parameter required pursuant to Section 1100.735 where a Class I groundwater quality standard has been exceeded ~~unless the owner or operator makes a demonstration pursuant to Section 1100.750~~. A report of the results should be prepared and submitted to the Agency within 60 days of the date of the resampling.
- c) Prepare a corrective action program designed to achieve the requirements of Section 1100.755. This plan must be submitted to the Agency in writing within 120 days of the date on which the resampling results were submitted to the Agency pursuant to subsection (b), unless:
  - 1) ~~None of the parameters identified under subsection (b) exceed the Class I groundwater quality standards; or~~
  - 2) ~~The~~ the owner or operator makes a demonstration pursuant to Section 1100.750.

- d) Begin implementation of the corrective action program specified in subsection (c) within 120 days of the date on which the resampling results were submitted to the Agency pursuant to subsection (b), unless:
  - 1) ~~None of the parameters identified under subsection (b) exceed the Class I groundwater quality standards; or~~
  - 2) ~~The the owner or operator makes a demonstration pursuant to Section 1100.750.~~

## 12. Section 1100.750

The Illinois EPA proposes to make the following amendments to Section 1100.750 shown by ~~strikeout~~ or underline.

If the groundwater sampling required pursuant to Section 1100.740 shows that a Class I groundwater quality standard has been exceeded, the owner or operator may demonstrate i) that the exceedance resulted from error in sampling, analysis, or evaluation, or natural phenomena, sampling or analysis errors, or an offsite source, ii) that the exceedance is not statistically significant over background groundwater quality, or iii) that none of the parameters identified under subsection 1100.745(b) exceed the Class I groundwater quality standards. In making such demonstration the owner or operator must:

- a) ~~Notify the Agency in writing that the owner or operator intends to make a demonstration under this Section within 60 days of the date on which the Agency was notified in writing of the exceedance pursuant to Section 1100.745(a);~~
- b) Submit a report to the Agency that demonstrates i) that the Class I groundwater quality standard was exceeded due to an error in sampling, analysis, or evaluation, or natural phenomena, sampling or analysis errors, or an offsite source, ii) that the exceedance is not statistically significant over background groundwater quality, or iii) that none of the parameters identified under subsection 1100.745(b) exceed the Class I groundwater quality standards. The report must be submitted to the Agency in writing within 180 days of the date on which the Agency was notified in writing of the exceedance pursuant to Section 1100.745(a); and
- e)b) Continue to monitor in accordance with the groundwater monitoring program established pursuant to Sections 1100.730, 1100.735, and 1100.740.

**BEFORE THE ILLINOIS POLLUTION CONTROL BOARD**

IN THE MATTER OF: )  
 )  
PROPOSED AMENDMENTS TO CLEAN )  
CONSTRUCTION OR DEMOLITION ) R12-9  
DEBRIS FILL OPERATIONS (CCDD): ) (Rulemaking –Land)  
PROPOSED AMENDMENTS TO 35 Ill. )  
Adm. Code 1100 )  
 )

ERRATA SHEET NUMBER 2

NOW COMES the Illinois Environmental Protection Agency (“Illinois EPA”), by and through one of its attorneys, Stephanie Flowers, and submits this ERRATA SHEET NUMBER 2 to the Illinois Pollution Control Board (“Board”) in the above referenced proceeding.

**1. Section 1100.205(a)(1)(A)**

The Illinois EPA proposes the following underlined amendment to Section 1100.205(a)(1)(A) in response to stakeholder questions regarding the consolidation of source site soils. The language would help clarify the Illinois EPA’s position on consolidation of soils from more than one source site.

Section 1100.205      Certifications and Load Checking

- a)      The owner or operator must do all of the following activities and document all the activities for all CCDD and uncontaminated soil accepted for use as fill material:
  - 1)      For all soil, including soil mixed with CCDD, obtain:
    - A)      a certification from the source site owner or source site operator that the site is not a potentially impacted property and is presumed to be uncontaminated soil. If soil is consolidated from more than one source site, a certification must be obtained from each source site owner or source site operator; or,

**2. Sections 1100.205(a)(4) and (b)(4)(A)**

The Illinois EPA proposes the following amendments to Sections 1100.205(a)(4) and (b)(4)(A) shown by ~~strikeout~~ and underline in response to stakeholder questions regarding the management of rejected loads. The language would allow fill operations to accept previously rejected loads if additional requirements are satisfied.

*Exhibit 8  
R12-9  
10/25/11  
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a) The owner or operator must do all of the following activities and document all the activities for all CCDD and uncontaminated soil accepted for use as fill material:

4) For loads rejected from the same or another fill operation, the owner or operator may accept a rejected load if subsections (a)(1) through (a)(3) of this Section are satisfied and the owner or operator also obtains the following information:

A) Information identifying the rejected load and the reasons it was rejected, including, but not limited to, a copy of the written notice the driver received pursuant to subsection (b)(4)(A) of this Section when the load was rejected;

B) Information demonstrating that the load proposed for acceptance is the rejected load identified in subsection (a)(4)(A) of this Section;

C) Information demonstrating that the reasons for rejection of the load have been corrected; and

D) For all soil, including soil mixed with CCDD, a certification meeting the requirements of subsection (a)(1) of this Section that is executed after correction of the reasons for the load rejection. This subsection (a)(4)(D) does not apply if load rejection was due to the detection of non-CCDD or non-soil material, including, but not limited to, wood, glass, piping, vegetation, plastic, metal, electrical wiring, or concrete with protruding rebar.

Except as provided in subsection (D) above, the information required under this subsection (a)(4) must be on forms and in a format prescribed by the Agency, and must be certified by the source site owner, the source site operator, a Licensed Professional Engineer, or a Licensed Professional Geologist. Loads accepted pursuant to this subsection (a)(4) are subject to all other requirements of this Part, including but not limited to the load checking program in effect at the receiving fill operation pursuant to subsection (b) of this Section.

b) The owner or operator must institute and conduct a load checking program designed to detect attempts to dispose of waste at the facility. At a minimum, the load checking program must consist of the following components:

4) Rejection of Loads

A) If material other than CCDD or uncontaminated soil is found or suspected, the owner or operator must reject the load and present the driver of the rejected load with written notice of the following:

- i) That only CCDD or uncontaminated soil is accepted for use as fill at the facility;
- ii) The reasons for rejection of the load, that ~~That the rejected load contains or is suspected to contain material other than CCDD or uncontaminated soil,~~ the material is suspected to be a waste or causes foul odors, the material must not be taken to another fill operation except as provided in subsection (b)(4)(A)(iv) of this Section and the material must be managed appropriately;
- iii) That for all inspected loads the owner or operator is required to record and make available for Agency inspection, at a minimum, the date and time of the inspection, the weight or volume of the CCDD or uncontaminated soil, the name of the hauler, the name of the hauling firm, the vehicle identification number or license plate number, the source site owner and source site operator, and the location of the site of origin of the fill; and
- iv) That a load rejected from a fill operation may be accepted by the same fill operation or another fill operation if the requirements of subsection (a)(4) of this Section are satisfied.

Respectfully submitted,

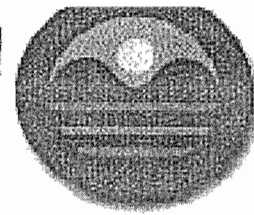
ILLINOIS ENVIRONMENTAL  
PROTECTION AGENCY

By: Stephanie Flowers  
Stephanie Flowers  
Assistant Counsel  
Division of Legal Counsel

DATED: 10-25-11  
1021 North Grand Ave. East  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
(217) 782-5544



# Illinois Environmental Protection Agency



DRAFT

## Rejected Load Certification

For loads of CCDD and uncontaminated soil accepted pursuant to 35 IAC 1100.205(a)(4)

LPC-667

This certification must accompany all loads of clean construction or demolition debris (CCDD) or uncontaminated soil accepted pursuant to 35 Ill. Adm. Code 1100.205(a)(4). If you have questions about this form, telephone the Bureau of Land, Permit Section at 217/524-3300.

IN ADDITION TO THIS FORM, AN LPC-662 OR LPC-663 CERTIFICATION FORM IS REQUIRED FOR ALL LOADS THAT CONTAIN SOIL, INCLUDING SOIL THAT IS MIXED WITH CCDD.

### 1. Source Location Information.

(Describe the location of the source of the uncontaminated soil)

Project Name \_\_\_\_\_ Office Phone Number, if available \_\_\_\_\_

Physical Site Location (Street, Road): \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

County: \_\_\_\_\_ Township: \_\_\_\_\_

Latitude and Longitude of approximate center of site:

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

IEPA Site Number(s), if assigned: \_\_\_\_\_ BOL: \_\_\_\_\_ BOW: \_\_\_\_\_ BOA: \_\_\_\_\_

### 2. Owner/Operator Identification – For Source Site

Site Owner

Site Operator

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

PO Box: \_\_\_\_\_

PO Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Contact: \_\_\_\_\_

Contact: \_\_\_\_\_

Email, if available: \_\_\_\_\_

Email, if available: \_\_\_\_\_

### 3. LOAD REJECTION INFORMATION

Date of Load Rejection: \_\_\_\_\_

Rejecting CCDD/USFO Facility Number: \_\_\_\_\_ (10-digit number)

Rejecting CCDD/USFO Facility Name: \_\_\_\_\_

Rejecting CCDD/USFO Facility phone number: \_\_\_\_\_

Hauler Company at time of rejection: \_\_\_\_\_

IL XXX-XXXX

LPC-667

Exhibit 9  
R12-g  
10/28/11  
ml

Reason(s) for load rejection: \_\_\_\_\_

THE WRITTEN NOTICE THE DRIVER RECEIVED PURSUANT TO 35 ILL. ADM. CODE 1100.205(b)(4)(A) WHEN THE LOAD WAS REJECTED AND ANY PREVIOUS CERTIFICATIONS OF THE REJECTED LOAD MUST BE ATTACHED TO THIS FORM TO HELP DOCUMENT THE LOAD'S HISTORY.

**4. REJECTED LOAD CORRECTION INFORMATION**

Explain how the reason(s) for the load rejection have been corrected.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attachments: (check all that apply)

- Laboratory Analyses
- Laboratory Accreditation Status
- Authorized Agent Certification
- Other(s) Describe \_\_\_\_\_

**5. CERTIFICATION STATEMENT, SIGNATURE & SEAL**

I certify that the load accompanying this certification is the same load of CCDD or uncontaminated soil that was rejected as described in item 3 above. I certify under penalty of law that the information submitted, including but not limited to all attachments and other information, is, to the best of my knowledge and belief, true, accurate, and complete. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. {415 ILCS 5/44(h)}

Company Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

\_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_

(Check One) \_\_ Source Site Owner

                  \_\_ Source Site Operator

                  \_\_ Licensed Professional Engineer

                  \_\_ Licensed Professional Geologist

\_\_\_\_\_  
Printed Name \_\_\_\_\_ P.E. or P.G. Seal  
(required with signature of P.E. or P.G.)



# Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## Uncontaminated Soil Fill Operation Registration Form By Owner and/or Operator LPC-665

OFFICIAL USE ONLY

In accordance with Section 22.51a(c) of the Environmental Protection Act ("Act"), the owner or operator of an Uncontaminated Soil Fill Operation must register the fill operation with the Illinois EPA. An Uncontaminated Soil Fill Operation that receives uncontaminated soil prior to July 30, 2010 must be registered with the Illinois EPA no later than March 31, 2011. An Uncontaminated Soil Fill Operation that first receives uncontaminated soil on or after July 30, 2010 must be registered with the Illinois EPA prior to the receipt of any uncontaminated soil. Registration must be submitted on forms and in a format prescribed by the Illinois EPA. [415 ILCS 5/22/51a(c)].

This form is to be submitted for facilities accepting EXCLUSIVELY uncontaminated soil as defined by Section 3.160(c) of the Act and rules adopted thereunder [415 ILCS 5/3.160(c)] for use as fill material in a former mine, quarry, or other excavation. This form is NOT for Clean Construction or Demolition Debris (CCDD) fill operations, which must have a permit prior to acceptance of CCDD or uncontaminated soil for use as fill in accordance with Section 22.51 of the Act [415 ILCS 5/22.51].

ALL information on this Registration Form is required with the exception of email addresses. You may complete this application online and save a copy to your computer, before you print it, or you may manually fill out a printed copy. Completed forms should be signed and mailed to the Illinois EPA, Bureau of Land, Permit Section #33, at the above address.

### 1. Site Information

Site Name: \_\_\_\_\_

Location by Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ County: \_\_\_\_\_

Latitude and Longitude of approximate center of site to five decimal places:

Latitude: \_ \_ . \_ \_ \_ \_ \_ Longitude: - \_ \_ . \_ \_ \_ \_ \_

Identify how the latitude and longitude data were determined:

GPS     Map Interpolation     Photo Interpolation     Survey    Other: \_\_\_\_\_

IEPA Site Number(s), if assigned:    BOL: \_\_\_\_\_    BOW: \_\_\_\_\_    BOA: \_\_\_\_\_

Area of fill (acres) \_\_\_\_\_ Average depth of fill (ft.): \_\_\_\_\_ Approx. volume of fill (cubic yards): \_\_\_\_\_

**All numbers should be based on the planned final contours of the fill operation.**

Attach drawing(s) identifying the fill operation boundaries and final topography.

### 2. Owner/Operator Information

Site Owner

Site Operator

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

PO Box: \_\_\_\_\_

PO Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Contact: \_\_\_\_\_

Contact: \_\_\_\_\_

Email, if available: \_\_\_\_\_

Email, if available: \_\_\_\_\_

**Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))**

LIST OF OUT-OF-STATE LABORATORIES WITH NELAP SECONDARY ACCREDITATION FROM ILLINOIS (2011)

LAB ID	LABORATORY NAME	Address	CITY	STATE	Zip
200074	Pace Analytical Services - IN	7726 Moller Road	Indianapolis	IN	46268-4163
200073	CT Laboratories	1230 Lange Ct.	Baraboo	WI	53913
200072	Empirical Laboratories, LLC	621 Mainstream Drive, Suite 270	Nashville	TN	37228
200071	ENVision Laboratories, Inc.	1439 Sadlier Circle West Drive	Indianapolis	IN	46239
200070	TestAmerica Watertown	1101 Industrial Drive, Suites 9 & 10	Watertown	WI	53094
200069	Marathon Petroleum Company, LP	11631 US Route 23	Catlettsburg	KY	41129
200068	Pace Analytical Services, Inc. - FL	8 East Tower Circle	Ormond Beach	FL	32174
200067	Cape Fear Analytical, LLC.	3306 Kitty Hawk Road Suite 120	Wilmington	NC	28405
200066	PACE Analytical Services - LA	1000 Riverbend Blvd. Suite F	St. Rose	LA	70087
200065	TestAmerica Valparaiso	2400 Cumberland Drive	Valparaiso	IN	46383
200064	Microbac Laboratories, Inc.	250 West 84th Drive	Merrillville	IN	46410
200063	Accutest Laboratories Southeast, Inc.	4405 Vineland Rd. Suite C-15	Orlando	FL	32811
200062	Environmental Chemistry Consulting Services, Inc.	2525 Advance Road	Madison	WI	53718
200061	Summit Environmental Technologies, Inc.	3310 Win Street	Cuyahoga Falls	OH	44223
200060	TestAmerica West Sacramento	880 Riverside Parkway	West	CA	95605
200057	Columbia Analytical Services, Inc - TX	19408 Park Row, Suite 320	Houston	TX	77084
200055	Shealy Environmental Services, Inc.	106 Vantage Point Drive	West Columbia	SC	29172
200052	XENCO Laboratories	4143 Greenbriar Dr.	Stafford	TX	77477-3907
200050	Pace Analytical Services, Inc. (Belleuve St.)	1241 Bellevue Street	Green Bay	WI	54302
200048	Gulf Coast Analytical Laboratories, Inc.	7979 G.S.R.I. Avenue	Baton Rouge	LA	70820
200047	Columbia Analytical Services, Inc. - NY	1565 Jefferson Road Building 300,	Rochester	NY	14623
200045	Accutest Laboratories of New Jersey, Inc.	2235 U.S. Route 130	Dayton	NJ	08810
200041	TestAmerica Pensacola	3355 McLemore Drive	Pensacola	FL	32514
200039	Accutest/SPL Environmental - Houston	8880 Interchange Drive	Houston	TX	77054
200036	New Age / Landmark Inc. #1	160 Veterans Blvd.	South Haven	MI	49090
200034	CompuChem a Division of Liberty Analytical Corp.	501 Madison Ave.	Cary	NC	27513
200033	MWH Laboratories, A Div. of MWH Americas, Inc.	750 Royal Oaks Drive, Suite 100	Monrovia	CA	91016-3629
200032	ALS Group USA Corp. oba ALS Laboratory Group - TX	10450 Stancliff Road, Suite 210	Houston	TX	77099
200030	Pace Analytical Services - KS	9608 Loiret Blvd.	Lenexa	KS	66219

*EXhib, t24*  
*R12-9*  
*10/26/11*  
*MSF*

LIST OF OUT-OF-STATE LABORATORIES WITH NELAP SECONDARY ACCREDITATION FROM ILLINOIS (2011)

LAB ID	LABORATORY NAME	Address	CITY	STATE	Zip
200029	GEL Laboratories, LLC	2040 Savage Road	Charleston	SC	29407
200028	Bureau Veritas North America, Inc	22345 Roethel Drive	Novi	MI	48375
200027	Lancaster Laboratories, Inc.	2425 New Holland Pike	Lancaster	PA	17605-2425
200026	TriMatrix Laboratories, Inc.	5560 Corporate Exchange Court SE	Grand Rapids	MI	49512-5503
200024	TestAmerica Cedar Falls	704 Enterprise Drive	Cedar Falls	IA	50613
200023	TestAmerica St. Louis	13715 Rider Trail North	Earth City	MO	63045
200022	TestAmerica Savannah	5102 LaRoche Avenue	Savannah	GA	31404
200020	Florida Testing Services, LLC, DBA Xenco Laboratory	3231 N.W. 7th Avenue	Boca Raton	FL	33431
200019	Microbac Laboratories, Inc. Ohio Valley Division	158 Starlite Drive	Marietta	OH	45750
200018	Accutest Laboratories of New England, Inc.	495 Technology Center West, Bldg	Marlborough	MA	01752
200017	TestAmerica Denver	4955 Yarrow Street	Arvada	CO	80002
200011	Pace Analytical Services - MN	1700 Elm Street, Suite 200	Minneapolis	MN	55414
200010	TestAmerica Nashville	2960 Foster Creighton Drive	Nashville	TN	37204
200008	Environmental Science Corp.	12065 Lebanon Rd.	Mt. Juliet	TN	37122
200005	TestAmerica Pittsburgh	301 Alpha Drive, RIDC Park	Pittsburgh	PA	15238
200004	TestAmerica North Canton	4101 Shuffel Street NW	North Canton	OH	44720
200003	TestAmerica Buffalo	10 Hazelwood Drive	Amherst	NY	14228
200001	Underwriters Laboratories, Inc	110 South Hill Street	South Bend	IN	46617
100452	ALS Laboratory Group, Environmental Division Holland-MI*	3352 128th Avenue	Holland	MI	49424-9263
100407	Accutest/SPL Environmental - Michigan *	459 Hughes Drive	Traverse City	MI	49686
100389	McCoy & McCoy Laboratories, Inc. *	825 Industrial Road, PO Box 907	Madisonville	KY	42431
100320	Brighton Analytical, LLC *	2105 Pless Drive	Brighton	MI	48114
100317	Siemens Industry, Inc. *	301 West Military Road	Rothschild	WI	54474

\* Secondary accreditation from Illinois anticipated no later than January 2012

## Summary of Illinois Soil pH Values

### Northern Counties:

Boone /	8.1% = pH 5.6-8.4 4.6% = pH 5.6-8.4 4.4% = pH 4.5-7.3 4.3% = pH 5.1-8.4 3.7% = pH 5.6-8.4 3.0% = pH 6.1-8.4
Bureau/	7.9% = pH 5.1-7.8 7.2% = pH 6.1-7.8 4.5% = pH 6.1-8.4 3.5% = pH 5.6-7.8 3.2% = pH 5.6-8.4 3.1% = pH 5.6-7.8 3.0% = pH 6.1-7.8
Cook/	8.7% = pH 5.6-8.4 2.7% = pH 5.6-8.4 2.7% = pH 5.6-8.4 2.7% = pH 5.1-8.5 2.6% = pH 5.6-8.4
DuPage/	14.5% = pH 5.6-8.4 14.3% = pH 5.1-8.4 7.2% = pH 5.6-8.4 5.4% = pH 5.6-8.4
Kane/	16.2% = pH 5.6-8.4 3.5% = pH 5.6-8.4 3.5% = pH 5.6-8.4 2.7% = pH 5.1-8.4 2.4% = pH 5.6-8.4 2.3% = pH 5.1-8.4
Kankakee/	9.3% = pH 5.6-8.4 9.2% = pH 6.1-8.4 7.2% = pH 5.6-8.4 4.9% = pH 5.6-7.3 3.8% = pH 5.6-8.4 3.6% = pH 5.6-8.4 3.3% = pH 5.1-7.8

### Northern Counties (cont.):

Lake/	10% = pH 6.1-8.4 5.8% = pH 5.6-8.4 4.7% = pH 6.1-8.4 4.0% = pH 6.1-8.4 3.2% = pH 5.6-8.4 3.0% = pH 5.6-8.4 2.6% = pH 6.1-8.4
LaSalle/	7.7% = pH 5.6-8.4 7.5% = pH 5.6-8.4 7.1% = pH 5.6-8.4 4.8% = pH 5.1-8.4 4.5% = pH 6.1-7.8 4.2% = pH 5.1-8.4
McHenry/	5.3% = pH 6.1-8.4 4.3% = pH 5.6-8.4 3.4% = pH 5.6-8.4 3.2% = pH 5.6-8.4 2.8% = pH 5.6-8.4 2.5% = pH 5.1-8.4 2.1% = pH 5.1-7.8 2.0% = pH 4.5-7.8 1.9% = pH 5.1-8.4 1.9% = pH 5.6-8.4 1.8% = pH 5.1-8.4 1.7% = pH 5.6-8.4 1.7% = pH 5.6-8.4
Ogle/	11.3% = pH 5.1-7.8 3.9% = pH 5.6-8.4 3.3% = pH 6.1-7.8 2.9% = pH 5.1-7.8 2.9% = pH 5.1-7.3 2.8% = pH 5.6-8.4 2.6% = pH 5.1-7.8 2.5% = pH 5.1-6.0

*Exhibit 25*  
*R 12-9*  
*10/26/11*  
*MWT*

## Summary of Illinois Soil pH Values

### Northern Counties (cont.):

Rock Island/  
 9.9% = pH 5.1-7.8  
 5.0% = pH 5.6-7.8  
 4.1% = pH 4.5-8.4  
 3.0% = pH 5.6-8.4  
 3.2% = pH 5.6-7.8  
 2.8% = pH 5.6-7.8  
 2.8% = pH 4.5-8.4  
 2.5% = pH 5.1-7.8  
 2.5% = pH 5.1-6.0  
 2.5% = pH 6.1-8.4

Whiteside/  
 4.5% = pH 5.1-6.5  
 3.9% = pH 5.6-7.3  
 3.8% = pH 5.6-7.3  
 3.0% = pH 4.5-7.3  
 2.9% = pH 5.6-7.3  
 2.7% = pH 4.5-8.4  
 2.4% = pH 4.5-8.4  
 2.3% = pH 4.5-8.4  
 2.1% = pH 5.1-7.8  
 2.0% = pH 5.6-8.4  
 2.0% = pH 5.6-7.8

Will/  
 15.5% = pH 5.6-8.4  
 13.2% = pH 5.6-8.4  
 5.3% = pH 4.5-8.4

Winnebago/  
 6.5% = pH 5.6-8.4  
 4.4% = pH 5.1-7.8  
 3.8% = pH 5.1-6.0  
 2.8% = pH 4.5-7.3  
 2.6% = pH 5.1-8.4  
 2.6% = pH 5.1-7.8  
 2.6% = pH 5.1-7.3  
 2.2% = pH 5.1-8.4  
 2.1% = pH 5.6-8.4  
 2.0% = pH 5.6-8.4

### Central Counties:

Champaign/  
 39.8% = pH 5.6-8.4  
 15.7% = pH 5.6-8.4

### Central Counties (cont.):

Douglas/  
 31.6% = pH 5.6-8.4  
 20.2% = pH 5.6-8.4  
 10% = pH 5.6-8.4

Logan/  
 20% = pH 5.6-8.4  
 19.6% = pH 5.6-8.4  
 3.7% = pH 6.1-7.8

McDonough/  
 23.3% = pH 5.6-8.4  
 13.2% = pH 5.6-7.8  
 5.3% = pH 5.1-7.8

McLean/  
 14% = pH 5.6-8.4  
 10.6% = pH 5.6-8.4  
 9.1% = pH 5.6-8.4  
 6.5% = pH 6.1-8.4  
 5.6% = pH 5.1-8.4

Sangamon/  
 27.4% = pH 5.6-8.4  
 11.1% = pH 5.6-8.4  
 11.1% = pH 5.1-7.8

Tazewell/  
 13.2% = pH 5.6-8.4  
 10.8% = pH 5.6-8.4  
 10.4% = pH 5.1-7.3  
 6% = pH 5.1-7.8

### Southern Counties:

Union/  
 5.7% = pH 5.6-7.8  
 5.4% = pH 4.5-7.3  
 5.2% = pH 4.5-7.3  
 5.1% = pH 3.6-7.3  
 5.0% = pH 4.5-7.3  
 4.5% = pH 4.5-7.3  
 4.4% = pH 4.5-7.3

Williamson/  
 10.1% = pH 4.5-7.3  
 6.7% = pH 4.5-7.3  
 3.8% = pH 4.5-7.3  
 3.1% = pH 4.5-7.3  
 2.9% = pH 4.5-6.0  
 2.8% = pH 4.5-7.3