

Updated Requirements for Clean  
Construction or Demolition Debris  
(CCDD) & Uncontaminated Soil fill  
operations  
October, 2012

*Presented by:*

**Illinois Environmental  
Protection Agency**



# INTRODUCTION

- Housekeeping items
- Statewide contacts will be on the last slide.



**IMPORTANT!!**

**BOOKMARK this web site and check it often! ALL forms and other information are available here!**

**[www.epa.state.il.us/land/ccdd](http://www.epa.state.il.us/land/ccdd)**

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## Regulations for Clean Construction or Demolition Debris (CCDD)

*(Last Updated August 30, 2012)*

Clean construction or demolition debris (CCDD) is uncontaminated broken concrete without protruding metal bars, bricks, rock, stone, or reclaimed asphalt pavement generated from construction or demolition activities. When uncontaminated soil is mixed with any of these materials, the uncontaminated soil is also considered CCDD. Uncontaminated soil that is not mixed with other CCDD materials is not CCDD. What constitutes "uncontaminated soil" for purposes of CCDD and uncontaminated soil fill operations is defined in 35 Ill. Adm. Code 1100. 35 Ill. Adm. Code 1100 was last amended by the Illinois Pollution Control Board in its [Final Opinion and Order](#) dated August 23, 2012. These changes, which begin on page 6 of the [Final Opinion and Order](#), became effective August 27, 2012.

### CCDD Fill Operations and Uncontaminated Soil Fill Operations

When CCDD is used as fill below grade it is not considered to be a waste as long as: 1) the filled area is not within the setback zone of a drinking water well and 2) within 30 days after filling is complete, the CCDD is covered with uncontaminated soil, pavement, or some type of structure. A current or former quarry, mine, or other excavation where CCDD or uncontaminated soil is used as fill is a "CCDD fill operation". A current or former quarry, mine, or other excavation where uncontaminated soil, but not CCDD, is used as fill is an "uncontaminated soil fill operation". Both of these types of fill operations are regulated under 35 Ill. Adm. Code 1100.

### CCDD Fill Operation Fees

Owners and operators of CCDD fill operations must pay fees based on the volume of CCDD and uncontaminated soil accepted for use as fill. The CCDD fee rules are located in [35 Ill. Adm. Code 1150](#). These rules set forth the procedures for the collection of fees, and include recordkeeping requirements, the submittal of quarterly reports to the Illinois EPA, and the time and manner of fee payment.

Questions regarding CCDD fill operation fees should be directed to the Illinois EPA, Bureau of Land, Waste Reduction and Compliance Section, at 217-785-8604.

### MAC Table, Facility Information and Forms

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**Important changes to 35  
Illinois Administrative  
Code (IAC) Sec. 1100 in  
effect on 8/27/12**

# HIGHLIGHTS of changes

## Definitions:

- a. “Other excavation” has been defined.
- b. “Potentially impacted property” definition has been added
- c. “Uncontaminated soil” has been defined.

## **New requirements for source site certifications (1100.205).**

a. pH of all uncontaminated soil **MUST** be between 6.25 and 9.

b. Minimum information needed for certifications has been further defined. (continued)

c. Painted concrete may be used as fill  
IF a certification is obtained from  
a PE or PG; AND material is  
analytically evaluated in accordance  
with requirements found in 1100.212:

- methods

- documentation

- NEW form LPC -667



d. Uncontaminated Soil Fill Operations:

- Now included in Section 1100
- Operating standards and recordkeeping requirements
- ANNUAL REPORT required
- CLOSURE requirements
- MAC table**

**Summary of  
Maximum Allowable Concentrations of Chemical Constituents  
In Uncontaminated Soil Used as Fill Material  
At Regulated Fill Operations  
(35 Ill. Adm. Code 1100.Subpart F)**

Chemical Name	Maximum Allowable Concentration *
Acenaphthene	570 <sup>b</sup> mg/kg
Acetone	25 <sup>b</sup> mg/kg
Alachlor	0.04 <sup>b</sup> mg/kg
Aldicarb	0.013 <sup>h,j</sup> mg/kg
Aldrin	0.94 <sup>c</sup> mg/kg
Anthracene	12,000 <sup>b</sup> mg/kg
Antimony	5 <sup>4,m</sup> mg/kg
Arsenic:	
within a MSA county	13.0 <sup>g</sup> mg/kg
within a non-MSA county	11.3 <sup>g</sup> mg/kg
Atrazine	0.066 <sup>b</sup> mg/kg
Barium	1,500 <sup>4,m</sup> mg/kg
Benzene	0.03 <sup>b</sup> mg/kg
Benzo(a)anthracene:	
within Chicago corporate limits	1.1 <sup>f</sup> mg/kg
within a populated area in a MSA excluding Chicago	1.8 <sup>f</sup> mg/kg
within a populated area in a non-MSA county or outside a populated area	0.9 <sup>g</sup> mg/kg
Benzo(b)fluoranthene:	
within Chicago corporate limits	1.5 <sup>f</sup> mg/kg
within a populated area in a MSA excluding Chicago	2.1 <sup>f</sup> mg/kg
within a populated area in a non-MSA county or outside a populated area	0.9 <sup>g</sup> mg/kg
Benzo(k)fluoranthene	9 <sup>g</sup> mg/kg

# MAC table (Maximum Allowable Concentrations for Chemical Constituents in Uncontaminated Soils)

**-Referenced in Section 1100.605**

Available at:

[www.epa.state.il.us/land/ccdd](http://www.epa.state.il.us/land/ccdd)

(forms will be reviewed in greater detail later)

# **FOUR new forms** (we love forms)

- **ONE brand new form, three others have been updated**
- **NOTE: THE IDOT INTERGOVERNMENTAL AGREEMENT IS NO LONGER VALID AS OF AUGUST 27, 2012**
- **LPC – 662 forms – Have been updated (source site certification forms for NON-potentially impacted properties)**
- **LPC – 663 forms – Have been updated (source site Certification forms for Potentially Impacted Properties)**

- **LPC – 665 forms – Updated USFO  
Registration forms**

**-Previously registered USFO's must  
RE-REGISTER using this form**

- **NEW FORM – LPC – 667**

**-Certification form for painted material**

## **IMPLICATIONS FOR FIELD INSPECTIONS:**

- CCDD sites must still comply with ALL permit conditions.**
- As before, every load must be checked visually and with a properly calibrated instrument.**
- Every load containing soil must be “covered” by an LPC-662 or LPC-663.**

- **Under certain circumstances listed in 35 IAC 1100.205(a)(5), rejected loads may be accepted by the same fill operation or another fill operation. The circumstances involve further testing and documentation.**
- **New Section 1100.615 allows incidental amounts of stone rock, gravel, roots, and other vegetation in USFO's. Do NOT reject loads because of the presence of relatively small amounts of these items.**



## **Common issues during inspections:**

- **AT LEAST 3 years worth of documentation must be available AT THE SITE. If historical documentation must be maintained at an alternative site, that location MUST be included in the permit.**
- **IF YOU HAVE A CCDD PERMIT, YOU MUST SUBMIT QUARTERLY FEE FORMS WHETHER OR NOT FILL WAS ACCEPTED! (35 IAC 1150)**



- **The same goes for annual reports and maps for BOTH CCDD AND (now) soil fill operations.**
- **All soil received after August 27, 2012 (or after the Agency's letter\* was received for existing USFO sites) MUST be covered by the revised LPC-662 and LPC – 663 forms.**
- **Your permit AND the Environmental Protection Act [415 ILCS 5/4(c) and (d)] gives the legal right for IEPA personnel to complete inspections, do surveillance, and take samples during normal business hours.**

\*more later in the presentation about the notification letter

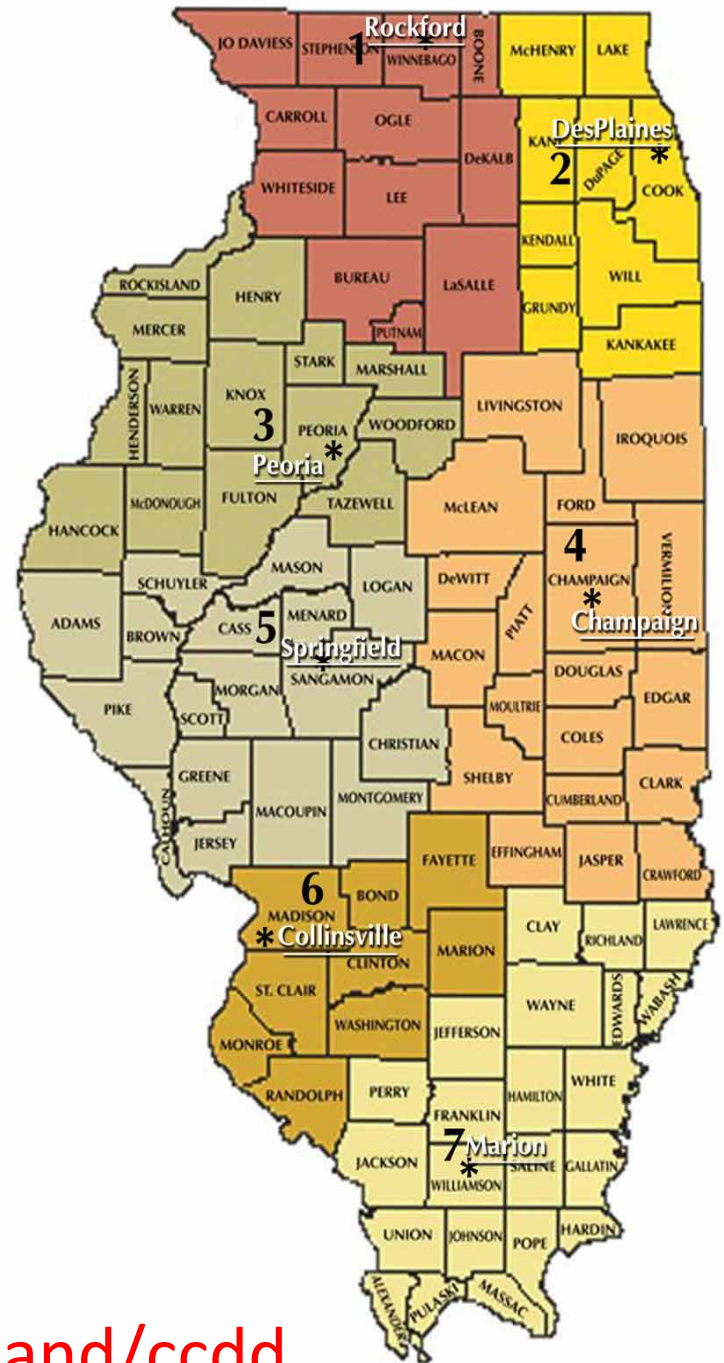
- **For permitted CCDD sites:**

**If you must operate beyond your permitted operating hours, you must have a written record of the date, time(s) and reason (do NOT submit this information). This is a permit condition in every permit. Adding the information to your daily log is fine.**

**Remember, if you conduct outdoor operations before sunrise or after sunset, adequate lighting must be provided.**

# FIELD OPERATIONS CONTACTS:

- 1. Rockford**  
Kathy Geyer 815-987-7031
- 2. Des Plaines**  
Wally Poleski 847-294-4247
- 3. Peoria:**  
Jason Thorp 309-693-4984
- 4. Champaign**  
Jennifer O'Hearn 217-278-5800
- 5. Springfield**  
Mark Weber 217-557-8761
- 6. Collinsville**  
Joe Zappa 618-346-5153
- 7. Marion**  
Tom Edmondson 618-993-7200



Website: [www.epa.state.il.us/land/ccdd](http://www.epa.state.il.us/land/ccdd)