



Forms and Instructions for Solid Waste Landfill Capacity Certification

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)) These solid waste landfill capacity certification form(s) and instructions are provided by the Illinois Environmental Protection Agency (Illinois EPA) for landfills to use to comply with Title 35, Subtitle G – Chapter II – Subsection 858.207(c) which requires that the annual report of remaining capacity be prepared by or under the supervision of a registered professional engineer. *Use of this form is mandatory and certification by a registered professional engineer is required. You will need a username and password which will be provided to you by Victoria Slayton in order to enter the data.*

I. Site Information – Certify that the information is correct; incorrect information will need to be changed by calling or e-mailing Victoria Slayton before the form may be completed.

- a. Site Identification – Check the accuracy of the name, Illinois EPA site identification number, and physical site location for the facility (city, zip code and county).
- b. Owner/Operator Identification – Check the accuracy of the name, address, contact's name, phone number and e-mail address for both the owner and operator of the facility. The contact person listed should be familiar with Illinois EPA reporting requirements.
- c. Type of Ownership/Operation (Public or Private) – Check that the type of ownership and operation of the facility is correct.
- d. General Site Information – If site opened in current year, select Yes.
- e. Type of Waste Received – Placed in the blank the amount (in tons) of all the waste types that were received at the facility. Enter zero (0) in the blank if none was received and provide the date the site opened. If site closed during the current year, select Yes and provide closure date. The categories are general municipal waste, hazardous waste, special (nonhazardous) waste, alternate daily cover (ADC) or road base. If other, please describe.

II. Permit Information

- a. Check the accuracy of the LF (landfill) or LFM (landfill modification) permit number and date. This number and date are assigned by the Illinois EPA, Bureau of Land, Permit Section. If not correct, contact the Agency before continuing to complete the form.
- b. Other Permit Number(s) and Date(s) approved during the previous calendar year. Include only permit numbers that were for supplemental or significant modification permits which includes expansion (or reduction) of the landfill capacity, and date of issuance. This number is assigned to the permit by the Illinois EPA, Bureau of Land, Permit Section. Enter these in blanks #1, #2, or #3. Overall Increase (or decrease) of air space in cubic yards allowed by the above permit(s) should be entered in blanks #1, #2, or #3 where it says "Air Space Change Allowed."
- c. Determine the **total** remaining volume of the landfill (air space) allowed in the permits assigned to your site as of January 1: All areas permitted for development should be considered in determining the remaining volume of the landfill. To make this determination, all remaining areas pertaining to the landfill's permits should be utilized. These permits are necessary to allow construction of a solid waste landfill; and include the entire area that will potentially be used to permanently dispose of solid waste.

III. Remaining Volume Available for Waste Disposal

- a. Method and date used for determining the remaining volume (check one and provide the date): This will tell us how the remaining volume of the solid waste landfill was measured and the date this determination was made. Indicate with a check mark if an aerial photograph or a survey was used. If another method was used, please name and describe this method in the space following "other."
- b. Remaining permitted volume needed for daily and intermediate cover: Determine how much of the remaining volume of the landfill will be used for daily and intermediate cover. Enter amount in cubic yards.
- c. Determine the total remaining volume of the landfill (air space) allowed in the permits assigned to your site as of January 1: All areas permitted for development should be considered in determining the remaining volume of the landfill. To make this determination, all remaining areas pertaining to the landfill's permits should be utilized. These permits are necessary to allow construction of a solid waste landfill; and include the entire area that will potentially be used to permanently dispose of solid waste. Enter amount in cubic yards.

d. Remaining volume available for waste disposal as of January 1: In order to determine this amount, the quantities indicated in II© (total remaining volume of the landfill (air space)), III(b) (remaining permitted volume needed for daily and intermediate cover) and III(c) (remaining permitted volume needed for final cover) will calculate for you in cubic yards.

IV. Available Capacity in Terms of “As Received” Waste

- a. Average density of waste as received: Indicate the number of pounds an average cubic yard of solid waste weighs (as received). Report as cubic “gate yard.”
- b. Average compaction ratio of waste as it is placed into the fill area (How many gate yards can you fit into an in-place yard?): Indicate how many cubic yards of “as-received” waste are contained in one cubic yard of “compacted waste.” For example, if your compaction ratio is 3:1 (three gate yards to one compacted yard), the answer to this question is 3.
- c. Volume of waste as received that can be disposed in the remaining permitted capacity. This will calculate for you.

V. Life Expectancy of the Solid Waste Landfill

- a. Determine how much solid waste was received at the landfill, in “gate yards,” during the previous 12 months for the time period of January 1 to December 31.
- b. Determine the number of years of life remaining at the current disposal rate: To arrive at this answer, the computer would divide the solution found in IV(c) (above) by the quantity indicated in V(a) (above).
- c. Please provide the estimated closure date for this facility by a year. If the facility is closed please provide the certified closure date in the comment blank.
- d. Additional comments: If there are any adjustments to the facility’s life expectancy, please describe there. Note: Any permit applications pending Agency approval and associated air space increase (or decrease) in cubic yards. Indicate any reasons why the number of years remaining calculated in V(b) (above) does not accurately reflect the solid waste landfill’s life expectancy, include the estimated years remaining and document how this estimate was determined.

VI. Alternate Method of Determining Available Capacity

If for some reason the approach given in Section II – V above does not accurately reflect the remaining capacity, please describe the methodology used to compute available capacity, provide documentation of your computations and indicate the remaining capacity.

Click “Review” button. If this information is correct, click “Save” button. If incorrect, click “Edit” button and make any required changes. Once considered to be correct, click “Save” button one last time.

To complete the certification process, follow Step 2. You must click on the button called “Signature Form” to generate a summary and signature form in PDF format. Click “Open” and it will show up. Click “Save” and save it to your computer in PDF format.

Owner Name, Signature, Date and Title – Please provide the name and signature of the owner of the landfill and indicate the date signed and the title of the person signing. If the owner is a corporation, partnership, sole proprietorship or government body, please provide the name and signature of the authorized representative of that entity as indicated on the form.

Operator Name, Signature, Date and Title – Please provide the name and signature of the operator of the landfill; also indicate the date signed and the title of the person signing.

Engineer Signature, Name, Date, Address, Phone Number and Seal – Please provide the signature, name, date signed, address and phone number of the engineer that is affirming the remaining capacity information. The engineer’s seal must be affixed next to the signature.

Print the summary form, obtain the signature, and submit the hard copy to the Agency.

Please send completed form by March 31 to:

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Materials Management and Compliance Section
Bureau of Land #24
Illinois Environmental Protection Agency
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