

# HB5283



## 103RD GENERAL ASSEMBLY

State of Illinois

2023 and 2024

HB5283

Introduced 2/9/2024, by Rep. Joyce Mason

### SYNOPSIS AS INTRODUCED:

415 ILCS 5/22.40c new

Amends the Environmental Protection Act. Provides gas collection and control system requirements for municipal solid waste landfills, including requirements for gas to be collected from each area in which solid waste has been in place for at least one year, for gas to be drawn toward the gas control devices, for a gas collection and control system to be installed within 12 months of reaching certain thresholds, for gas collection and control design plans to provide for alternative preliminary measures, and for the methane destruction efficiency of flared systems to reach 99%.

LRB103 37436 BDA 67558 b

A BILL FOR

1 AN ACT concerning safety.

2 **Be it enacted by the People of the State of Illinois,**  
3 **represented in the General Assembly:**

4 Section 5. The Environmental Protection Act is amended by  
5 adding Section 22.40c as follows:

6 (415 ILCS 5/22.40c new)

7 Sec. 22.40c. Gas Collection and Control System  
8 Requirements. Each owner or operator of a municipal solid  
9 waste landfill that meets 40 CFR 60.33c and relevant federal  
10 regulatory requirements to install a gas collection and  
11 control system must fulfill the following requirements:

12 (1) The owner or operator must, in the case of an  
13 active municipal solid waste landfill, operate the gas  
14 collection and control system so that gas is collected  
15 from each area, cell, or group of cells in the municipal  
16 solid waste landfill in which solid waste has been in  
17 place for one year or more.

18 (2) The owner or operator must estimate when the  
19 landfill will reach the thresholds identified in 40 CFR  
20 60.33c and relevant federal regulatory requirements  
21 requiring installation of a gas collection and control  
22 system, install a gas collection and control system within  
23 12 months after that estimated date, and operate the gas

1 collection and control system in accordance with 40 CFR  
2 60.34f.

3 (3) The gas collection and control design plan must  
4 provide for whether other measures to control gas,  
5 including horizontal collectors, connections to the  
6 leachate control system, and electric systems that will  
7 eventually connect to control devices, the vacuum system,  
8 and other gas collection and control system elements, can  
9 be installed before the full gas collection and control  
10 system is required.

11 (4) The gas collection and control system, if it uses  
12 a flare, must achieve a methane destruction efficiency of  
13 at least 99% by weight.

14 (5) The gas collection system must be designed and  
15 operated to draw all the gas toward the gas control device  
16 or devices.