BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

In the Matter of:)	
)	R 2022-018(A)
PROPOSED AMENDMENTS TO)	
GROUNDWATER QUALITY)	(Rulemaking – Public Water Supply)
(35 ILL. ADM. CODE 620))	

NOTICE OF FILING

To: ALL PARTIES ON THE SERVICE LIST

PLEASE TAKE NOTICE that I have today electronically filed with the Office of the Clerk of the Illinois Pollution Control Board TESTIMONY OF ERIC BALLENGER ON BEHALF OF NATIONAL WASTE & RECYCLING ASSOCIATION, copies of which are hereby served upon you.

Dated: July 25, 2025 NATIONAL WASTE & RECYCLING ASSOCIATION

By: /s/Scott B. Sievers
Scott B. Sievers

BROWN, HAY & STEPHENS, LLP

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TESTIMONY OF ERIC BALLENGER ON BEHALF OF NATIONAL WASTE & RECYCLING ASSOCIATION

I. Introduction.

My name is Eric Ballenger. I have been employed by Republic Services (previously Allied Waste) since January of 1996. Republic Services is an American waste disposal company whose services include non-hazardous solid waste collection, waste transfer, waste disposal, recycling, and energy services. We are the second largest provider of waste disposal in the United States.

Prior to joining Republic Services, I was employed by EMCON, an environmental consulting firm. I am a Senior Manager of Hydrogeology for Republic Services. I assist in the management of environmental compliance at operating and closed landfills as well as manage multiple Superfund sites. My other duties include management of third-party environmental consultants and analytical laboratories, landfill greenfield and expansion hydrogeologic review, and remedial design and implementation. My management areas consist of the States of Arkansas, Illinois, Indiana, Minnesota, Missouri, Nebraska, Oklahoma, Texas, and Wisconsin.

I previously have provided both pre-written testimony and hearing testimony on behalf of the National Waste and Recycling Association – Illinois Chapter ("NWRA") in the underlying rulemaking in R2022-018 in which I focused on the industry's general concerns with the proposed new PFAS standards. The NWRA represents companies that manage waste products generated by businesses and residents in the State of Illinois.

Herein, I again am providing testimony on behalf of the NWRA. This testimony focuses on the economic impact that adding the PFAS standards to Part 620 would have on compliance costs under 35 Ill. Adm. Code 811 and 814, as well as other proposed revisions to the regulations.

II. Information Requested in May 15, 2025, Opinion and Order of the Board.

As part of my evaluation in the present matter, I am providing the following answers to the list of eight (8) questions posed by the Illinois Pollution Control Board ("Board") in its May 15, 2025, Opinion and Order as outlined below. In addition to my own knowledge and experience, I worked with Andrews Engineering, Inc., through the direction of the NWRA, to assemble the data included herein.

1. Provide a list of affected landfills in Illinois, *i.e.*, landfills planning expansion and landfills undergoing assessment monitoring.

RESPONSE:

The evaluation of the cost impacts due to revisions to 35 Ill. Adm. Code Part 620 specific to the addition of six PFAS constituents is applicable to Illinois landfills currently operating or are in post-closure care regulated pursuant to 35 Ill. Adm. Code 811 and Part 814, Subpart C and Subpart D.

a. Landfills Regulated Pursuant to 35 Ill. Adm. Code Parts 811 and 814

The following tables identify the landfills that will be impacted by the proposed rule by classification under the Illinois regulations. It should be noted that the following table contains information pertaining only to those landfill companies represented by the NWRA within the State of Illinois.

Table 1	1 - Regulated by Part	t 811 or 814 Subpart	C
Name	Groundwater	Leachate	Stormwater
Brickyard LF Unit 2	Yes	Yes	Yes
Chain of Rocks Phase II	Yes	Yes	No
South (Closed 2005)			
Clinton Landfill	Yes	Yes	Yes
Cottonwood Hills	Yes	Yes	Yes
DeKalb County – East Unit	Yes	Yes	Yes
Dixon/GROP Landfill Phases III to V (closed July 2001)	Yes	Yes	No
LandComp Landfill	Yes	Yes	Yes
Laraway Solid Waste Unit	Yes	Yes	Yes
Lee County Landfill	Yes	Yes	Yes
Livingston Landfill D	Yes	Yes	Yes
North Milam	Yes	Yes	Yes
Orchard Hills	Yes	Yes	Yes
Peoria City/County #2 (Closed 2025)	Yes	Yes	Yes
Prairie Hill	Yes	Yes	Yes
Prairie View	Yes	Yes	Yes
River Bend Prairie	Yes	Yes	Yes
Sangamon Valley LF (Area II)	Yes	Yes	Yes
Spoon Ridge Landfill (Closed May 2011)	Yes	Yes	No
Winnebago Landfill – NEU, WEU, EEU	Yes	Yes	Yes

Table 2 - Regulated by 814 Subpart D			
Name	Groundwater	Leachate	Stormwater
Belleville LF	Yes	Yes	No
(Closed Oct 1997)			
Bond (Closed Oct 2011)	Yes	Yes	No
Brickyard LF Unit 1	Yes	Yes	Yes
Countryside Landfill	Yes	Yes	Yes
Davis Junction LF (Closed	Yes	Yes	No
March 2000)			
DeKalb County – West Unit	Yes	Yes	Yes
(Closed			

Table 2 - Regulated by 814 Subpart D			
Name	Groundwater	Leachate	Stormwater
Dixon/GROP Landfill	Yes	Yes	No
Phase II (closed July 2001)			
Eco Hill	Yes	Yes	Yes
Envirofil	Yes	Yes	Yes
Environtech, Inc. (closed	Yes	Yes	No
July 2016)			
Envotech - Illinois	Yes	Yes	Yes
ERC/Coles Co LF	Yes	Yes	No
(Closed Oct 2010)			
Five Oaks RDF	Yes	Yes	Yes
Greene Valley LF (Closed	Yes	Yes	No
1999)			
Harbor View Landfill	Yes	Yes	Yes
Hickory Ridge	Yes	Yes	Yes
Illinois Landfill	Yes	Yes	Yes
Indian Creek Landfill	Yes	Yes	Yes
Kankakee LF (Closed 2006)	Yes	Yes	No
Livingston Landfill (ABC)	Yes	Yes	Yes
Mallard Lake LF (Closed Sep	Yes	Yes	Yes
2002)			
McLean County	Yes	Yes	No
Landfill/ASD			
(closed Dec 2018)			
Milam Landfill	Yes	Yes	Yes
Modern Landfill (Closed	Yes	Yes	No
December 1998)			
Quad Cities Phase III LF	Yes	Yes	No
(closed Oct 1999)			
RCS Landfill (closed Oct	Yes	Yes	No
2011)			
Rochelle Municipal LF	Yes	Yes	Yes
Roxana Landfill	Yes	Yes	Yes
Saline County Landfill	Yes	Yes	No?
(closed July 2007)			
Sangamon Valley LF Area I	Yes	Yes	Yes
(closed Aug 2010)			
Settlers Hill LF (Closed	Yes	Yes	No
2007)			
Southern Illinois Regional LF	Yes	Yes	Yes

Table 2 - Regulated by 814 Subpart D			
Name	Groundwater	Leachate	Stormwater
Streator Area Landfill 3	Yes	Yes	No
(Closed Sep 2011)			
Streator Area LF 3 (Closed	Yes	Yes	No
Sep 2011)			
Sumner Landfill	Yes	Yes	Yes
Tazewell LF (Closed 2007)	Yes	Yes	No
Upper Rock Island County	Yes	Yes	Yes
LF			
Valley View LF	Yes	Yes	Yes
Wayne County Regional LF	Yes	Yes	Yes
West End Landfill	Yes	Yes	Yes
Wheatland Prairie LF	Yes	Yes	No
(Closed 2001)			
Winnebago Landfill	Yes	Yes	Yes
Northern/Southern Unit			
Woodland LF (Closed 2005)	Yes	Yes	No

b. Landfills Planning Expansions

To my knowledge, currently there are no known facilities that have either filed for local siting approval for an expansion or have obtained local sitting approval for an expansion that have not received permitted authorization from the Illinois Environmental Protection Agency ("Agency" or "Illinois EPA"). As such, no landfill expansions are herein reported. Construction and operation of undeveloped yet permitted areas are not considered expansions.

c. Landfills Undergoing Assessment Monitoring

The term "assessment monitoring" is specific to 35 Ill. Adm. Code Section 911.319(b). Assessment monitoring begins after a statistically observed exceedance has occurred and has been confirmed by a resample. An observed increase may also include eight consecutive quarterly increases in concentrations and/or consist of an increase above the previous concentration for organic parameters. The permit specifies what constitutes an exceedance.

An alternate source demonstration ("ASD") may be submitted via permit application prior to implementing assessment monitoring. If the ASD is not successful, an assessment-monitoring program is initiated. Given that there have been no confirmed leachate leaks from a RCRA Subtitle D compliant liner system, any assessment monitoring concluding the facility is the source of the groundwater contamination is resulting from a disposal unit that does not contain a composite liner system (35 Ill. Adm. Code Part 814, Subpart D). Assessment monitoring of a Subtitle D composite liner system is expected to conclude that the source of apparent groundwater impacts are the result of background groundwater quality impacts and natural statistical variations.

Assessment monitoring not only includes facilities with newly confirmed increases but also includes those monitoring a groundwater management zone and corrective actions. Assessment monitoring typically is fine-tuned to the constituents of concern and may include a small number of constituents. The number of sites conducting assessment monitoring has been estimated based on known, existing groundwater management zones and corrective action programs. The number will vary over time.

Currently there are approximately 15 landfills undergoing assessment monitoring. It is reasonable to assume that if the assessment monitoring results in the establishment of a groundwater management zone or a corrective action, these sites will detect PFAS constituents in downgradient monitoring wells above the Class I groundwater quality standards.

2. How many of the affected landfills currently monitor for PFAS?

RESPONSE:

The regulations of 35 Ill. Adm. Code Part 620 are specific to groundwater. However, through incorporation by reference, landfill facilities also will be required to analyze the PFAS constituents in leachate samples if the current exemptions are eliminated. In addition, individual

NPDES permits require stormwater discharge to be monitored for a larger list of PFAS constituents.

At this time, no listed landfill is monitoring the groundwater for PFAS constituents, as no regulatory program has required such testing. Therefore, there is no groundwater quality information at the landfills for PFAS constituents. There have been minimal leachate analyses for the PFAS constituents. Where there have been analyses, concentrations exist above the groundwater quality standards, as expected. Those facilities with recent individual NPDES permits are required to analyze for PFAS at the discharge outfalls. The majority of results have shown detections above the standards in 35 Ill. Adm. Code Part 620. The presence of the PFAS constituents appears ubiquitous in surface water at the landfill properties.

If the exemptions contained in Sections 620.410(f) and 620.420(e) are eliminated, Illinois landfills will be required to monitor for PFAS compounds from 35 Ill. Adm. Code Part 620. The following table provides a list of NWRA-member facilities that will be required to monitor PFAS constituents in groundwater, leachate, and stormwater discharge (with individual NPDES permit only). Currently, only stormwater discharge is analyzed for PFAS constituents at some facilities.

Table 3 – NWRA Member Landfills		
Name	Classification	
Belleville	Part 814 Subpart D	
	(Closed Oct 1997)	
Bond Co. LF	Part 814 Subpart C and D	
	(Closed Oct 2011)	
Brickyard LF Unit 1	814 Subpart C and D	
Brickyard LF Unit 2	814 Subpart C	
Chain of Rocks Phase II South	Part 811 Part 814 Subpart C (Closed 2005)	
Clinton Landfill	Part 811 Part 814 Subpart C	
Cottonwood Hills	Part 811 Part 814 Subpart C	
Cottonwood Hills	Part 811 Part 814 Subpart C	
Countryside	Part 814 Subpart C and D	

Table 3 – NWRA Member Landfills		
Name	Classification	
Countryside	Part 814 Subpart C and D	
Davis Junction LF	Part 814 Subpart C and D (Closed March 2000)	
DeKalb County – East Unit	Part 811 Part 814 Subpart C	
DeKalb County – West Unit	Part 814 Subpart C and D (closed 2025)	
Dixon/GROP Landfill Phase II	Part 814 Subpart C and D	
	(closed July 2001)	
Dixon/GROP Landfill Phase III to V	Part 814 Subpart C and D	
	(closed July 2002)	
Eco Hill Landfill	Part 814 Subpart C and D	
Envirofil	Part 814 Subpart C and D	
Environtech, Inc.	Part 814 Subpart C and D	
	(closed July 2016)	
Envotech-Illinois LF(Litchfield-	Part 814 Subpart C and D	
Hillsboro Landfill)		
ERC/Coles Co LF	Part 814 Subpart D	
	(Closed Oct 2010)	
Five Oaks	Part 814 Subpart C and D	
Greene Valley	Part 814 Subpart C and D (closed 1999)	
Harbor View Landfill	Part 814 Subpart C and D	
Hickory Ridge	Part 814 Subpart C and D	
Illinois Landfill	Part 814 Subpart C and D	
Indian Creek	Part 814 Subpart C and D	
Kankakee	Part 814 Subpart C and D (closed 2006)	
LandComp Landfill	Part 811	
Laraway Solid Waste Unit	Part 811 Part 814 Subpart C	
Lee County Landfill	Part 811	
Livingston Landfill D	Part 811 Part 814 Subpart C	
Livingston Landfill (ABC)	Part 814 Subpart C and D	
Mallard Lake LF	Part 814 Subpart C and D (Closed Sep 2002)	
McLean County Landfill/ ADS	Part 814 Subpart C and D (closed Dec 2018)	
Milam	Part 814 Subpart C and D	
Modern FL	Part 814 Subpart C and D (Closed December 1998)	
North Milam	Part 811 Part 814 Subpart C	
Orchard Hills	Part 811 Part 814 Subpart C	
Peoria City/County #2	Part 811 Part 814 Subpart C (Closed 2025)	
Prairie Hill	Part 811 Part 814 Subpart C	
Prairie View	Part 811 Part 814 Subpart C	
Quad Cities Phase III LF	Part 814 Subpart C and D (closed Oct 1999)	
RCS Landfill	Part 814 Subpart C and D (closed Oct 2011)	

Table 3 – NWRA Member Landfills		
Name	Classification	
River Bend Prairie	Part 811 Part 814 Subpart C	
Rochelle Municipal LF	Part 814 Subpart C and D	
Roxana Landfill	Part 814 Subpart C and D	
Saline County Landfill (closed July	Part 814 Subpart C and D	
2007)		
Sangamon Valley LF Area I (closed	Part 814 Subpart C and D	
Aug 2010)		
Sangamon Valley LF Area II	Part 811 Part 814 Subpart C	
Settlers Hill	Part 814 Subpart C and D	
Southern Illinois Regional LF	Part 814 Subpart C and D	
Spoon Ridge Landfill (Closed May	Part 811 Part 814 Subpart C	
2011)		
Streator Area Landfill 3 (Closed Sep	Part 814 Subpart C and D	
2011)		
Sumner Landfill	Part 814 Subpart C and D	
Tazewell	Part 814 Subpart C and D	
Upper Rock Island County LF	Part 814 Subpart C and D	
Valley View	Part 814 Subpart C and D	
Wayne County LF	Part 814 Subpart C and D	
West End Disposal	Part 814 Subpart C and D	
Wheatland Prairie	Part 814 Subpart C and D	
Winnebago LF (NS Unit)	Part 814 Subpart C and D	
Winnebago LF (NEU, WEU NEU)	Part 811 Part 814 Subpart C	
Woodland	Part 814 Subpart C and D	

Table 4 lists the NWRA-member landfills that are entirely Subtitle D compliant and are not expected to have any adverse impacts on groundwater quality. Table 5 lists the NWRA-member landfills that have continued to operate with areas under Part 814 Subpart D.

Table 4 - Part 811 and Part 814 Subpart C
Name
Brickyard LF Unit 2
Chain of Rocks Phase II South (closed 2005)
Clinton Landfill
Cottonwood Hills
DeKalb County – East Unit
Dixon/GROP Landfill
Phase III to V (closed July 2001)
LandComp Landfill
Laraway Solid Waste Unit
Lee County Landfill
Livingston Landfill (D)
North Milam
Orchard Hills
Peoria City/County #2 (closed 2025)
Prairie Hill
Prairie View
River Bend Prairie
Sangamon Valley LF Area II (closed Aug 2010)
Spoon Ridge Landfill (Closed May 2011)
Winnebago (NEU, WEU NEU)

Table 5 - 814 Subpart D
Name
Belleville (closed Oct 1997)
Bond Co. LF.
Brickyard LF Unit 1
Countryside
Davis Junction LF (Closed March 2000)
DeKalb County – West Unit (closed 2025)
Dixon/GROP Landfill
Phase II (closed July 2001)
Eco Hill Landfill
Envirofil
Environtech, Inc. (closed July 2016)
Envotech-Illinois LF
ERC/Coles Co LF(Closed Oct 2010)
Five Oaks
Greene Valley (closed

Table 5 - 814 Subpart D
Name
Harbor View Landfill
Hickory Ridge
Illinois Landfill
Illinois Landfill
Indian Creek
Kankakee (closed
Livingston Landfill (ABC)
Mallard Lake LF (Closed Sep 2002)
McLean County Landfill/ADS (closed Dec 2018)
Milam
Modern FL (Closed December 1998)
Quad Cities Phase III LF (closed Oct 1999)
RCS Landfill (closed Oct 2011)
Rochelle Municipal LF
Roxana Landfill
Saline County Landfill (closed July 2007)
Sangamon Valley LF Area I (closed Aug 2010)
Settlers Hill (closed 2007)
Southern Illinois Regional LF
Streator Area Landfill 3 (Closed Sep 2011)
Sumner Landfill
Tazewell (closed 2007)
Upper Rock Island County LF
Valley View
Wayne County LF
West End Landfill
Wheatland Prairie (closed 2001)
Winnebago LF (NS Unit)
Woodland (closed 2003)

3. Do the affected landfills monitor on a quarterly, semi-annual, or annual basis?

RESPONSE:

Groundwater monitoring typically is conducted on a quarterly or semi-annual basis at Illinois landfills. In many cases, a facility will conduct both quarterly and semi-annual monitoring

dependent upon the individual well. The parameter lists for groundwater analyses can also vary. Disposal units containing monitoring programs specific to Part 814, Subpart D analyze for a comprehensive parameter list (List G2) during the second quarter sampling event. However, monitoring programs for units specific to Parts 811 and 814, Subpart C analyze the comprehensive list of constituents during the second and fourth quarters.

PFAS constituents will be analyzed in upgradient/background wells for derivation of background concentrations and as part of assessment monitoring defined in Section 811.319(b)(5)(A), which references constituents contained in Section 620.410. Statistical background concentrations will be derived from four consecutive quarterly sampling events. The Agency has stated the background PFAS data may need to be verified prior to permitting the proposed Applicable Groundwater Quality Standards ("AGQSs"), possibly requiring evaluations similar to assessment monitoring.

Table 6 lists the frequency that likely will be required to monitor for the PFAS constituents in groundwater leachate and stormwater discharge.

Table 6 -							
Member Landfills Monitoring Frequency for Section 620 PFAS Parameter							
Name	Classification Groundwater Leachate Stormwat						
Belleville	Part 814 Subpart D (Closed Oct 1997)	biennially	Annual	None			
Bond Co. LF.	Part 814 Subpart C and D (Closed Oct 2011)	Semi Annual	Semi Annual	None			
Brickyard LF Unit 1	814 Subpart C and D	None	None	None			
Brickyard LF Unit 2	814 Subpart C	None	None	None			
Chain of Rocks Phase II South	Part 811 Part 814 Subpart C (Closed 2005)	Semi Annual	Semi Annual	None			
Clinton Landfill	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly			

	Ta	ble 6 -		
Member La	andfills Monitoring Freq	uency for Sectio	n 620 PFAS Pa	rameter
Name	Classification	Groundwater	Leachate	Stormwater
Cottonwood Hills	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly
Countryside	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Davis Junction LF	Part 814 Subpart C and D (Closed March 2000)	Semi Annual	Semi Annual	None
DeKalb County – East Unit	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly
DeKalb County – West Unit	Part 814 Subpart C and D (closed 2025)	Semi Annual	Semi Annual	Quarterly
Dixon/GROP Landfill Phase II	Part 814 Subpart C and D (closed July 2001)	Semi Annual	Semi Annual	None?
Dixon/GROP Landfill Phase III to V	Part 814 Subpart C and D (closed July 2002)	Semi Annual	Semi Annual	None?
Eco Hill Landfill	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Envirofil	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Environtech, Inc.	Part 814 Subpart C and D (closed July 2016)	Semi Annual	Semi Annual	None
Envotech-Illinois LF	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
ERC/Coles Co LF	Part 814 Subpart D (Closed Oct 2010)	Semi Annual	Semi Annual	None
Five Oaks	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Greene Valley	Part 814 Subpart C and D (closed 1999)	Semi Annual	Semi Annual	None
Harbor View Landfill	Part 814 Subpart C and D	None	None	None?
Hickory Ridge	Part 814 Subpart C and D	None	None	None?
Illinois Landfill	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Indian Creek	Part 814 Subpart C and D	None	None	None?

Table 6 -				
Member La	andfills Monitoring Freq	uency for Sectio	n 620 PFAS Pa	rameter
Name	Classification	Groundwater	Leachate	Stormwater
Kankakee	Part 814 Subpart C and D (closed 2006)	Semi Annual	Semi Annual	None
LandComp Landfill	Part 811	Semi Annual	Semi Annual	Quarterly
Laraway Solid Waste Unit	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly
Lee County Landfill	Part 811	Semi Annual	Semi Annual	Quarterly
Livingston Landfill D	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly
Livingston Landfill (ABC)	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Mallard Lake LF	Part 814 Subpart C and D (Closed Sep 2002)	Semi Annual	Semi Annual	Quarterly
McLean County Landfill/ADS	Part 814 Subpart C and D (closed Dec 2018)	Semi Annual	Semi Annual	Quarterly
Milam	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Modern FL (Closed December 1998)	Part 814 Subpart C and D	Semi Annual	Semi Annual	None
North Milam	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly
Orchard Hills	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly
Peoria City/County #2	Part 811 Part 814 Subpart C (Closed 2025)	Semi Annual	Semi Annual	Quarterly
Prairie Hill	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly
Prairie View	Part 811 Part 814 Subpart C	Semi Annual	Semi Annual	Quarterly
Quad Cities Phase III LF	Part 814 Subpart C and D (closed Oct 1999)	Semi Annual	Semi Annual	None?
RCS Landfill	Part 814 Subpart C and D	Semi Annual	Semi Annual	None

Table 6 -				
Member La	andfills Monitoring Freq	uency for Sectio	n 620 PFAS Pa	rameter
Name	Classification	Groundwater	Leachate	Stormwater
	(closed Oct 2011)			
River Bend	Part 811 Part 814	Semi Annual	Semi Annual	Quarterly
Prairie	Subpart C			
Rochelle	Part 814 Subpart C and	Semi Annual	Semi Annual	Quarterly
Municipal LF	D			
Roxana Landfill	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Saline County	Part 814 Subpart C and	Semi Annual	Semi Annual	None
Landfill	D (closed July 2007)			
Sangamon Valley	Part 814 Subpart C and	Semi Annual	Semi Annual	None?
LF Area I	D (closed Aug 2010)			
Sangamon Valley	Part 811 Part 814	Semi Annual	Semi Annual	Quarterly
LF Area II	Subpart C			
Settlers Hill	Part 814 Subpart C and D	Semi Annual	Semi Annual	None
Southern Illinois	Part 814 Subpart C and	Semi Annual	Semi Annual	Quarterly
Regional LF	D			
Spoon Ridge LF	Part 811 Part 814	Semi Annual	Semi Annual	None
(Closed May 2011)	Subpart C			
Streator Area LF 3 (Closed Sep 2011)	Part 814 Subpart C and D	Semi Annual	Semi Annual	None
Sumner Landfill	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Tazewell	Part 814 Subpart C and D	Semi Annual	Semi Annual	None
Upper Rock Island County LF	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Valley View	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly
Wayne County	Part 814 Subpart C and	Semi Annual	Semi Annual	Quarterly
LF	D			- -
West End Landfill	Part 814 Subpart C and D	None	None	None?
Wheatland Prairie	Part 814 Subpart C and D	Semi Annual	Semi Annual	None
Winnebago LF (NS Unit)	Part 814 Subpart C and D	Semi Annual	Semi Annual	Quarterly

Table 6 -						
Member La	andfills Monitoring Freq	uency for Sectio	n 620 PFAS Pa	rameter		
Name	Name Classification Groundwater Leachate Stormwater					
Winnebago LF	Part 811 Part 814	Semi Annual	Semi Annual	Quarterly		
(NEU, WEU	Subpart C					
NEU)						
Woodland	Part 814 Subpart C and	Semi Annual	Semi Annual	None		
	D					

Table 7 provides a list of the operating landfills in Illinois and the projected monitoring frequency for PFAS constituents if added to the existing sampling frequency for organic parameters.

Table 7 -						
Operating Landfill	Operating Landfills (1) Monitoring Frequency for Additional Section 620 PFAS					
Constituents						
Name	Classification (remaining years)	Groundwater	Leachate	Stormwater		
Advanced Disposal Services Valley View Landfill Inc.	35	Semi Annual	Semi Annual	Quarterly		
Brickyard Disposal and Recycling Inc.	19	Semi Annual	Semi Annual	Quarterly		
Clinton Landfill #3	48	Semi Annual	Semi Annual	Quarterly		
Cottonwood Hills RDF	74	Semi Annual	Semi Annual	Quarterly		
Countryside Landfill Inc.	Closure 2027	Semi Annual	Semi Annual	Quarterly		
DeKalb County Landfill (East)	25	Semi Annual	Semi Annual	Quarterly		
Eco Hill Landfill	5	Semi Annual	Semi Annual	Quarterly		
Envirofil of Illinois Inc.	92	Semi Annual	Quarterly	Quarterly		
Envotech-Illinois LF (Litchfield-Hillsboro Landfill)	11	Semi Annual	Semi Annual	Quarterly		
Five Oaks Recycling and Disposal Facility	22	Semi Annual	Semi Annual	Quarterly		
Hickory Ridge Landfill	64	Semi Annual	Semi Annual	Quarterly		
Illinois Landfill	169	Semi Annual	Semi Annual	Quarterly		

Table 7 -							
Operating Landfill	Operating Landfills (1) Monitoring Frequency for Additional Section 620 PFAS						
	Constituents						
Name	Classification	Groundwater	Leachate	Stormwater			
	(remaining						
	years)						
Indian Creek Landfill	29	Semi Annual	Semi Annual	Quarterly			
No. 2							
Knox County Landfill	6	Not Available	Not Available	Not Available			
#3							
LandComp Landfill	22	Semi Annual	Semi Annual	Quarterly			
Landfill #33 Ltd.	5	N/A	N/A	N/A			
Laraway Recycling and	19	Semi Annual	Semi Annual	Quarterly			
Disposal Facility	60	G : 1		0 1			
Lee County Landfill	69	Semi Annual	Semi Annual	Quarterly			
Inc.	22	G ' A 1	G ' A 1	0 1			
Livingston Landfill	22	Semi Annual	Semi Annual	Quarterly			
Milam Recycling and	25	Semi Annual	Semi Annual	Quarterly			
Disposal Facility	1.1	G : A 1	G : A 1	0 1			
North Milam Landfill	11	Semi Annual	Semi Annual	Quarterly			
Orchard Hills Landfill	7	Semi Annual	Semi Annual	Quarterly			
Peoria City/County	closed	Semi Annual	Semi Annual	Quarterly			
Landfill #2	47	NT 4 A '1 1 1	NT 4 A '1 1 1	NT 4 A '1 1 1			
Perry Ridge Landfill	47	Not Available	Not Available	Not Available			
Inc.	5.5	Semi Annual	Semi Annual	0			
Prairie Hill Recycling	55	Semi Annuai	Semi Annuai	Quarterly			
and Disposal Facility	12	Semi Annual	Semi Annual	0			
Prairie View Recycling	12	Semi Annuai	Semi Annuai	Quarterly			
and Disposal Facility	42	Cami Amazzal	Cami Amazal	Overstanly			
Quad Cities Landfill, Phase IV	43	Semi Annual	Semi Annual	Quarterly			
	65	Semi Annual	Semi Annual	Overtenly			
Rochelle Municipal Landfill No. 3	03	Semi Annuai	Seiiii Aiiiiuai	Quarterly			
Roxana Landfill LLC	16	Semi Annual	Semi Annual	Quantanty			
	10	Semi Annual	Semi Annual	Quarterly Quarterly			
Sangamon Valley Landfill Inc. (Area II)	10	Sciiii Aiiiluai	Still Allilual	Quarterry			
Southern Illinois	39	Semi Annual	Semi Annual	Quarterly			
Regional Landfill Inc.	37	Sciiii Aiiiiuai	Sciiii Ailliual	Quarterry			
Sumner Landfill Inc.	24	Semi Annual	Semi Annual	Quarterly			
Upper Rock Island	14	Semi Annual	Semi Annual	Quarterly			
	14	Sciiii Ailliual	Sciiii Ailliual	Quarterry			
County Landfill							

Table 7 - Operating Landfills (1) Monitoring Frequency for Additional Section 620 PFAS					
	C	onstituents			
Name Classification (remaining years) Groundwater Leachate Stormwater					
West End Disposal Facility	75	N/A	N/A	N/A	
Winnebago Landfill	11	Semi Annual	Semi Annual	Quarterly	
Zion Landfill	Closure 2027	N/A	N/A	N/A	
Notes: (1) Illinois Landfill Disposal Capacity Report Illinois EPA July 2024					

4. What would be the potential incremental cost of adding Part 620 PFAS constituents to existing monitoring program at affected landfills?

RESPONSE:

If the exemptions contained in Sections 620.410(f) and 620.420(e) are eliminated, the establishment of background concentrations will be required at a minimum, as will testing in the leachate, on the schedule provided in the current landfill permit. Table 8 provides a list of the estimated additional incremental cost for landfills in Illinois for additional groundwater and leachate monitoring. It was assumed PFAS constituents will be added to the List G2 parameters analyzed pursuant to the permit (semi-annual for Parts 811 and 814 Subpart C programs, and annually for Part 814 Subpart D programs). It is assumed the PFAS constituents will be contained in the L2 leachate list of parameters, with the number of sampling events based on the number of leachate monitoring points for each program. The incremental costs also will include derivation of the AGQSs for the PFAS constituents and related permitting. Costs for PFAS monitoring for stormwater are not included in this study as those are required under a separate regulatory program.

It is assumed a minimum of four quarters of background analyses will be required. Then there may need to be justification or an ASD done to show the detections are not the result of a release. There is no intention of the Agency putting the PFAS parameters on routine lists.

The data for the number and frequency of the sampling locations used was provided by the NWRA-member landfills. In addition, the published remaining operating years provided in the most recent Agency landfill capacity report dated July 2024 for 2023 capacity was used. The estimate assumes PFAS would be added to the existing groundwater and leachate lists and analyzed with the other organic compounds. The cost for the analyses for the six (6) additional PFAS constituents (HFPO-DA, PFBS, PFHxS, PFNA, PFOA and PFOS) in groundwater and leachate to obtain the method detection limits to meet the Section 620 groundwater quality standards (0.000010 mg/L, 0.002 mg/L, 0.000010 mg/L, 0.0000010 mg/L, 0.0000004 mg/L and 0.0000004 mg/L respectively) was provided by Eurofins Environmental Testing located in Tinley Park, Illinois.

A compilation of the estimated laboratory costs for the remaining life of the sites was calculated assuming \$375 per sample analysis using an estimate provided by Eurofins and is provided below:

Table 8 – Potential Incremental Cost of Adding Part 620 PFAS Constituents			
Estimated Cost			
Part 814 Subpart D Site Monitoring	\$32,629,125		
Part 811 & Part 814 Subpart C Site Monitoring	\$22,613,625		

The estimated costs for additional monitoring were based upon the data provided by the NWRA-member landfills. Most of the additional costs can be avoided if the monitoring parameters only are added to the Appendix II list of parameters. The additional parameters only would be added during assessment monitoring chemical analyses of groundwater and leachate samples. This would result in a significant cost savings if the PFAS Section 620 standards were not added to the

typical organic monitoring parameters for groundwater and leachate. The details of the cost estimate are provided in Appendix A.1 for Part 814 Subpart D Site Monitoring and Appendix A.2 for Part 811 & Part 814 Subpart C Site Monitoring attached herein.

Table 9 - Operating Landfills (1) Incremental Costs for Additional Section 620 PFAS Parameter				
Name	Classification (remaining years)	Groundwater ⁽²⁾ (semiannual)	Leachate (annual reporting)	Stormwater (Quarterly)
Advanced Disposal Services Valley View Landfill Inc.	35	47	16	3
Brickyard Disposal and Recycling Inc.	19	41	6	4
Clinton Landfill #3	48	54	3	2
Cottonwood Hills RDF	74	16	6	3
Countryside Landfill Inc.	Closure 2027	25	6	1
DeKalb County Landfill (East)	25	19 +20	3 +6	4
Eco Hill Landfill	5	17	2	4
Envirofil of Illinois Inc.	92	24	52	8
Envotech-Illinois LF (Litchfield- Hillsboro Landfill)	11	56	2	2
Five Oaks Recycling and Disposal Facility	22	22 +2	14 +4	7
Hickory Ridge Landfill	64	24	3	4
Illinois Landfill	169	28	4	2
Indian Creek Landfill No. 2	29	17	3	4
Knox County Landfill #3	6	N/A	N/A	NA
LandComp Landfill	22	20 + 11	3	3

	Table 9 -				
Operating Landfills Name	Classification (remaining years)	Groundwater ⁽²⁾ (semiannual)	Section 620 PFA Leachate (annual reporting)	AS Parameter Stormwater (Quarterly)	
Landfill #33 Ltd.	5	N/A	N/A	N/A	
Laraway Recycling and Disposal Facility	19	41 +11	6	7+2	
Lee County Landfill	69	56 +32	3	2	
Livingston Landfill	22	107 +36	37	5	
Milam Recycling and Disposal Facility	25	40	3	3	
North Milam Landfill	11	75	18	3	
Orchard Hills Landfill	7	26	4	4	
Peoria City/County Landfill #2	closed	21	3	4	
Perry Ridge Landfill Inc.	47				
Prairie Hill Recycling and Disposal Facility	55	33 +7	4	4	
Prairie View Recycling and Disposal Facility	12	21	6	4	
Quad Cities Landfill, Phase IV	43	19	2	0	
Rochelle Municipal Landfill No. 3	65	58 +27	6	3	
Roxana Landfill LLC	16	57	7	4	
Sangamon Valley Landfill Inc. (Area II)	10	16 +4	2	3	
Southern Illinois Regional Landfill Inc.	39	51	4	5	
Sumner Landfill Inc.	24	8	2	1	

	Table 9 -				
Operating Landfills	s (1) Incremental C	osts for Additiona	l Section 620 PFAS	S Parameter	
Name	Classification (remaining years)	Groundwater ⁽²⁾ (semiannual)	Leachate (annual reporting)	Stormwater (Quarterly)	
Upper Rock Island County Landfill	14	20	4/5	3	
West End Disposal Facility	75	N/A	N/A	N/A	
Winnebago Landfill	11	106	12	11	
Zion Landfill	Closure 2027	N/A	N/A	N/A	

Notes:

- (1) Illinois Landfill Disposal Capacity Report Illinois EPA July 2024
- (2) Groundwater monitoring wells can be monitored quarterly or semiannually. Semiannual is assumed for additional PFAS monitoring since typically the organic parameters are collected semi annually

Table 10 - Part 811 and Part 814 Subpart C					
Name	Leachate	Stormwater			
Brickyard LF Unit 2	18 semi annual	2 semi annual	4 quarterly		
Chain of Rocks Phase II South	14 semi annual	2 annual	0		
(closed 2005)		1 semi annual			
Clinton Landfill	78 semi annual	6 semi annual	6 quarterly		
Cottonwood Hills	15 semi annual	4 annual	3 quarterly		
DeKalb County – East Unit	19 +20 semi	3 +6 annual	4 quarterly		
Dekaro County – East Offit	annual	1 semi annual			
Dixon/GROP Landfill	19 semi annual	1 semi annual	0		
Phase III to V (closed July 2001)					
LandComp Landfill	20 +11 semi	3 annual	3 quarterly		
	annual				
Laraway Solid Waste Unit	41 +11 semi	3 semi annual	7 +2 quarterly		
Laraway Sond Waste Omit	annual				
Lee County Landfill	56 +32 semi	3 annual	2 quarterly		
	annual				
Livingston Landfill D	57 +36 semi	5 semi annual	5 quarterly		
	annual				
North Milam	75 semi annual	4 quarterly	3 quarterly		
NOTHI WIIIAIII		1 semi annual			
Orchard Hills	26 semi annual	2 semi annual	4 quarterly		
Official diffis		1 quarterly			

Peoria City/County #2 (closed	21 semi annual	1 annual	4 quarterly
2025)		1 semi annual	
Prairie Hill	33 +7 semi annual	3 semi annual	4 quarterly
Prairie View	21 semi annual	3 semi annual	4 quarterly
River Bend Prairie	N/A	N/A	N/A
Sangamon Valley Landfill (Area	16 +4 semi annual	1 semi annual	3 quarterly
II)			
Spoon Ridge LF (Closed May	16 semi annual	1 semi annual	0
2011)			
Winnebago LF (NEU, WEU	69 +9 semi annual	6 semiannual	11 quarterly
NEU)			

Groundwater monitoring wells can be monitored quarterly or semiannually. Semiannual is assumed for additional PFAS monitoring since typically the organic parameters are collected semi annually

Table 11 - 814 Subpart D				
Name	Groundwater	Leachate	Stormwater	
Belleville (Closed Oct	18 biennially	1 semi annual	none	
1997)				
Bond Co. LF (closed Oct	10 semi annual	1 semi annual	0	
2011)				
Brickyard LF Unit 1	23 semi annual	1 semi annual	none	
Countryside	25 semi annual	3 semi annual	1 quarterly	
Davis Junction LF	21 semi annual	1 semi annual	none	
(Closed March 2000)				
DeKalb County - West	32 semi annual	3 semi annual	4 quarterly	
Unit (closed 2025)				
Dixon/GROP Landfill	18 semi annual	1 semi annual	none	
Phase II (closed July				
2001)				
Eco Hill Landfill	17 semi annual	1 semiannual	4 quarterly	
Envirofil	24 semi annual	13 quarterly	8 quarterly	
		1 semi annual		
Environtech, Inc.	13 semi annual	1 semi annual	0	
(closed November 2016)				
Envotech-Illinois LF	56 semi annual	2 semi annual	2 quarterly	
ERC/Coles Co	13 semi annual	1 semi annual	none	
LF(Closed Oct 2010)				
Five Oaks	22 +2 semi annual	3 +1 quarterly	7 quarterly	
		1 semi annual		

Table 11 - 814 Subpart D				
Name	Groundwater	Leachate	Stormwater	
Greene Valley	19 semi annual	2 semi annual	none	
		1 quarterly		
Harbor View Landfill				
Hickory Ridge LF	24 semi annual	6 semi annual	4 semi annual	
Illinois Landfill	28 semi annual	2 semi annual	2 quarterly	
Indian Creek LF	17 semi annual	6 semi annual	4 semi annual	
Kankakee	15 semi annual	2 annual	none	
		15 semi annual		
Livingston Landfill (ABC)	50 semi annual	32 semi annual	5 quarterly	
Mallard Lake LF (Closed Sep 2002)	37 semi annual	2 semi annual	none	
McLean County Landfill/ADS (closed Dec 2018)	20 semi annual	2 semi annual	2 quarterly	
Milam	25 semi annual	3 semi annual	3 quarterly	
Modern FL (Closed	19 semi annual	1 semi annual	none	
December 1998)				
Quad Cities Phase III LF	19 semi annual	2 semi annual	none	
(closed Oct 1999)				
RCS Landfill (closed	10 semi annual	1 semi annual	none	
Oct 2011)				
Rochelle Municipal	58 semi annual	3 semi annual	3 quarterly	
Roxana Landfill LLC	57 semi annual	5/2 Semiannual	4 quarterly	
Saline County Landfill (closed July 2007)	23 semi annual	2/1 Semiannual	none	
Sangamon Valley Landfill Area I (closed Aug 2010)	26 semi annual	2/1 Semiannual	none	
Settlers Hill (closed 2007)	15 semi annual	3 semi annual	none	
Southern Illinois Regional Landfill Inc.	51 semi annual	2/1 Semiannual	5 quarterly	
Streator Area LF 3	15 semi annual	2/1 Semiannual	none	
(Closed Sep 2011)	•			
Sumner Landfill	8 semi annual	1 semiannual	1 quarterly	
Tazewell (closed 2007)	17 semi annual	1 annual 1 semi annual	none	
Upper Rock Island County LF	20 semi annual	2/3 alt 2 semi annual	3 quarterly	

Table 11 - 814 Subpart D				
Name	Groundwater	Leachate	Stormwater	
Valley View	47 semi annual	2 semi annual 1 monthly	3 quarterly	
Wayne County LF	15 semi annual	1 semiannual	3 quarterly	
West End LF				
Wheatland Prairie (closed 2001)	26 semi annual	3 semi annual	none	
Winnebago LF (NS	50 semi annual	2 semiannual	0quarterly	
Unit)				
Woodland (closed 2003)	24 semi annual	3 semi annual	none	

Groundwater monitoring wells can be monitored quarterly or semiannually. Semiannual is assumed for additional PFAS monitoring since typically the organic parameters are collected semi-annually

5. What additional cost do landfills incur to monitor for PFAS?

RESPONSE:

The incremental cost increase for adding the PFAS constituents to the groundwater and leachate monitoring programs was addressed above. Additional costs beyond derivation of the background analyses (four consecutive sampling events for upgradient/background wells) and monitoring of the G2 and L2 list of parameters is wide-ranging. These costs may include the following:

- a. Evaluation of the detections of the PFAS constituents within the background wells. This
 may include additional sampling of groundwater, surface water, and soils, and may include
 installation and sampling of additional monitoring wells;
- Evaluation of potential cross-contamination from old well construction and pumps. This
 may include the replacement of wells and/or pumps;
- c. Evaluation of the rate and extent of PFAS constituents detected above the 35 Ill. Adm. Code Part 620 standard(s). This will include additional well installations, related sampling, and permitting. Dependent upon the geometry of the site, property, and hydrogeologic

- characteristics, multiple drilling programs may be necessary to adequately identify the extent of concentrations above the applicable standards;
- d. Conducting the Corrective Action Measures Assessment ("CAMA"), holding public meetings, designing and permitting of potential corrective action pursuant to 35 Ill. Adm. Code Section 811.324;
- e. Revision of the contaminant transport model to accommodate either the CAMA, or revision of the model due to a failure at the time of a permit renewal application where PFAS constituents are incorporated into the Groundwater Impact Assessment ("GIA");
- f. Design, permitting, and installation of contingent remediation programs resulting from contaminant transport model failures due to the extremely low limits of the PFAS constituents;
- g. Design modification for new areas based on the GIA results. The current regulatory framework requires a passing contaminant transport model ("CTM"). For a number of Illinois landfills, the Agency policy requirements for the CTM setup, initial failure is likely to occur. At this point, the landfill can incorporate a contingent remediation program, or redesign the liner system (thicker liner, higher transmissive leachate collection system, etc.) to achieve a passing CTM. Any one of these can lead to substantially more costs simply to achieve the extremely low PFAS standards in the GIA; and
- h. Other efforts and costs that are unknown at this time will likely be applicable.

The following table provides additional estimated costs resulting from implementation of the PFAS constituents to 35 Ill. Adm. Code Part 620. The costs do not include corrective action installation and operation.

Table 12 –			
Estimate of Additional Costs for the Impact to Monitor			
for the Detection of PFAS Constituents			
Estimated Cost			
Part 814 Subpart D Site Assessment	\$2,616,750		
Part 811 & Part 814 Subpart C Site Assessment	\$818,000		
See Appendix B.1 and B.2 for Site Specific Estima	tes.		

The estimated costs for additional monitoring provided above were based upon the data provided by the NWRA-member landfills. The estimated costs have been prepared assuming an extra two samples will be required in a year for each groundwater and leachate monitoring location to establish background concentrations. It is assumed background concentrations for PFAS parameters can be established for approximately \$10,000 in an assessment report contained in a permit application. One permit application is assumed during operation and the post-closure care period. The estimate does not include additional assessment monitoring for Appendix II parameters, revisions to the groundwater impact assessment, or other site investigations that may be required to complete the assessment. The details for each NWRA-member landfill used to prepare the estimate are provided in Appendix B.1 for the Part 814 Subpart D sites and in Appendix B.2 for the Part 811 and the Part 814 Subpart C landfills attached herein.

Table 13 -					
Additional Cost for Operating Landfills to Monitoring for Additional Section 620 PFAS					
	Pai	rameter			
Name	Classification	Groundwater	Leachate	Stormwater	
	(remaining	(semi annual)	(annual)	(Quarterly)	
	years)				
Advanced Disposal	35	47	16	12	
Services Valley View					
Landfill Inc.					
Brickyard Disposal and	19	41	3	4	
Recycling Inc.					
Clinton Landfill #3	48	N/A	N/A	N/A	

Table 13 Additional Cost for Operating Landfills to Monitoring for Additional Section 620 PFAS
Parameter

Name	terly)
Cottonwood Hills RDF	
Cottonwood Hills RDF 74 16 6 3 Countryside Landfill Inc. Closure 2027 25 3 1 Inc. DeKalb County 25 19 +20 3 +6 4 Landfill 5 17 2 4 Envirofil of Illinois Inc. 92 24 52 8 Envotech-Illinois LF (Litchfield-Hillsboro Landfill) 11 56 4 2 Landfill) 64 24 6 4 Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A Knox County Landfill 22 20 +11 3 3 LandComp Landfill 22 20 +11 3 3 LandGolil #33 Ltd. 5 N/A N/A N/A Landgill #33 Ltd. 5	ļ
Countryside Landfill Inc. Closure 2027 25 3 1 DeKalb County Landfill 25 19 + 20 3 + 6 4 Landfill 5 17 2 4 Envirofil of Illinois Inc. 92 24 52 8 Envotech-Illinois LF (Litchfield-Hillsboro Landfill) 11 56 4 2 Five Oaks Recycling and Disposal Facility 22 22 + 2 14 + 4 7 Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A Knox County Landfill 22 20 + 11 3 3 LandComp Landfill 22 20 + 11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 +	ļ
Inc. DeKalb County 25 19 +20 3 +6 4 Landfill Eco Hill 5 17 2 4 Envirofil of Illinois Inc. 92 24 52 8 Envotech-Illinois LF 11 56 4 2 (Litchfield-Hillsboro Landfill) Eive Oaks Recycling and Disposal Facility Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 29 17 6 4 HandComp Landfill 22 20 + 11 3 3 LandComp Landfill 22 20 + 11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 + 1 Tandfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 + 1 Tandfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 + 1 Tandfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 + 1 Tandfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 + 1 Tandfill #33 Ltd. 5 N/A N/A Laraway Recycling and 19 41 + 11 3 7 + 1 Tandfill #34 Ltd. 5 N/A N/A Laraway Recycling and 19 41 + 11 3 7 + 1 Tandfill #35 Ltd. 5 N/A N/A Laraway Recycling and 19 41 + 11 3 7 + 1 Tandfill #36 Ltd. 7 1 Tandfill #37 Ltd. 7 1 Tandfill #38 Ltd. 7 1 Tandfill #38 Ltd. 7 Tandfill #38 Ltd. 7 1 Tandfil	ļ.
DeKalb County	
Landfill Eco Hill 5 17 2 4	
Eco Hill	}
Envirofil of Illinois Inc. 92 24 52 8 Envotech-Illinois LF (Litchfield-Hillsboro Landfill) 11 56 4 2 Five Oaks Recycling and Disposal Facility 22 22 +2 14 +4 7 Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 N/A N/A N/A N/A Knox County Landfill 6 N/A N/A N/A LandComp Landfill 22 20 +11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 +11 3 7 +	}
Envotech-Illinois LF (Litchfield-Hillsboro Landfill) 11 56 4 2 Five Oaks Recycling and Disposal Facility 22 22 + 2 14 + 4 7 Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A Knox County Landfill 22 20 + 11 3 3 LandComp Landfill 22 20 + 11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 +	
(Litchfield-Hillsboro Landfill) 22 22 +2 14 +4 7 Five Oaks Recycling and Disposal Facility 22 22 +2 14 +4 7 Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 N/A N/A N/A N/A Knox County Landfill 6 N/A N/A N/A LandComp Landfill 22 20 +11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 +11 3 7 +	
Landfill) 22 22 +2 14 +4 7 Five Oaks Recycling and Disposal Facility 22 22 +2 14 +4 7 Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A #3 LandComp Landfill 22 20 +11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 +11 3 7 +	
Five Oaks Recycling and Disposal Facility 22 22 + 2 14 + 4 7 Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A LandComp Landfill 22 20 + 11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 +	
and Disposal Facility 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A Knox County Landfill 22 20+11 3 3 LandComp Landfill 22 20+11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41+11 3 7+	
Hickory Ridge Landfill 64 24 6 4 Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A Knox County Landfill 22 20+11 3 3 LandComp Landfill 22 20+11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41+11 3 7+	!
Illinois Landfill 169 28 2 2 Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A #3 LandComp Landfill 22 20 + 11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 +	
Indian Creek Landfill 29 17 6 4 No. 2 Knox County Landfill 6 N/A N/A N/A Knox County Landfill 6 N/A N/A N/A LandComp Landfill 22 20+11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41+11 3 7+	
No. 2 Knox County Landfill 6 N/A N/A N/A #3 LandComp Landfill 22 20 + 11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 +	,
Knox County Landfill 6 N/A N/A N/A #3 LandComp Landfill 22 20 + 11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 +	-
#3 LandComp Landfill 22 20+11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41+11 3 7+	
LandComp Landfill 22 20 + 11 3 3 Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 + 11 3 7 +	A
Landfill #33 Ltd. 5 N/A N/A N/A Laraway Recycling and 19 41 +11 3 7 +	
Laraway Recycling and 19 41 +11 3 7 +	
	A
Disposal Facility	-2
Disposar I actiffy	
Lee County Landfill 69 56+32 3 2	
Livingston Landfill 22 107 +36 37 5	,
Milam Recycling and 25 40 3 3	
Disposal Facility	
North Milam Landfill 11 75 18 3	,
Orchard Hills Landfill 7 26 4 4	
Peoria City/County closed 21 3 4	
Landfill #2	
Perry Ridge Landfill 47 N/A N/A N/A	A
Inc.	
Prairie Hill Recycling 55 33 +7 4 4	
and Disposal Facility	
Prairie View Recycling 12 12 21 6	-
and Disposal Facility)

Table 13 Additional Cost for Operating Landfills to Monitoring for Additional Section 620 PFAS
Parameter

Name	Classification	Groundwater	Leachate	Stormwater
	(remaining	(semi annual)	(annual)	(Quarterly)
	years)			
Quad Cities Landfill,	43	19	2	0
Phase IV				
Rochelle Municipal	65	58 +27	6	3
Landfill No. 3				
Roxana Landfill LLC	16	57	7	4
Sangamon Valley	10	16 +4	2	3
Landfill Inc. (Area II)				
Southern Illinois	39	51	4	5
Regional Landfill Inc.				
Sumner Landfill Inc.	24	8	2	1
Upper Rock Island	14	20	4/5	3
County Landfill				
West End Disposal	75	N/A	N/A	N/A
Facility				
Winnebago Landfill	11	106	12	11
Zion Landfill	Closure 2027	N/A	N/A	N/A

Notes:

(1) Illinois Landfill Disposal Capacity Report Illinois EPA July 2024

Table 14 - Part 811 and Part 814 Subpart C				
Name	Groundwater	Leachate	Stormwater	
Brickyard LF Unit 2	18 semi annual	2 semi annual	4 quarterly	
Chain of Rocks Phase II	14 semi annual	2 annual	0	
South (closed 2005)		1 semi annual		
Clinton Landfill	78 semi annual	6 semi annual	6 quarterly	
Cottonwood Hills	15 semi annual	4 annual	3 quarterly	
DeKalb County – East Unit	19 +20 semi annual	3 +6 annual	4 quarterly	
Dekalo County – East Offit		1 semi annual		
Dixon/GROP Landfill Phase	19 semi annual	1 semi annual	0	
III to V (closed July 2001)				
LandComp Landfill	20 +11 semi annual	3 annual	3 quarterly	
Laraway Solid Waste Unit	41 +11 semi annual	3 semi annual	7 +2 quarterly	
Lee County Landfill	56 +32 semi annual	3 annual	2 quarterly	
Livingston Landfill D	57 +36 semi annual	5 semi annual	5 quarterly	

North Milam	75 semi annual	4 quarterly	3 quarterly
TVOICH TVIITAIN		1 semi annual	
Orchard Hills	26 semi annual	2 semi annual	4 quarterly
Ofenara Tims		1 quarterly	
Peoria City/County #2	21 semi annual	1 annual	4 quarterly
(closed 2025)		1 semi annual	
Prairie Hill	33 +7 semi annual	3 semi annual	4 quarterly
Prairie View	21 semi annual	3 semi annual	4 quarterly
River Bend Prairie	N/A	N/A	N/A
Sangamon Valley Landfill	16 +4 semi annual	1 semi annual	3 quarterly
(Area II)			
Spoon Ridge LF (Closed	16 semi annual	1 semi annual	0
May 2011)			
Winnebago LF (NEU, WEU	69 +9 semi annual	6 semiannual	11 quarterly
NEU)			

Table 15 - 814 Subpart D				
Name	Groundwater	Leachate	Stormwater	
ADS/McLean County	20 semi annual	2 semi annual	2 quarterly	
Landfill (closed Dec 2018)				
Belleville (Closed Oct	18 biennially	1 semi annual	None	
1997)				
Bond Co. LF	10 semi annual	1 semi annual	0	
(closed Oct 2011)				
Brickyard LF Unit 1	23 semi annual	1 semi annual	None	
Countryside	25 semi annual	3 semi annual	1 quarterly	
Davis Junction LF (Closed	21 semi annual	1 semi annual	None	
March 2000)				
DeKalb County – West Unit	32 semi annual	3 semi annual	4 quarterly	
(closed 2025)				
Dixon/GROP Landfill	18 semi annual	1 semi annual	none	
Phase II (closed July 2001)				
Eco Hill Landfill	17 semi annual	1 semiannual	4 quarterly	
Envirofil	24 semi annual	13 quarterly	8 quarterly	
		1 semi annual		
Environtech, Inc. (closed	13 semi annual	1 semi annual	0	
November 2016)				
Envotech-Illinois LF	56 semi annual	2 semi annual	2 quarterly	

Table 15 - 814 Subpart D					
Name	Groundwater	Leachate	Stormwater		
ERC/Coles Co LF (Closed	13 semi annual	1 semi annual	None		
Oct 2010)					
Five Oaks	22 +2 semi annual	3+1 quarterly	7 quarterly		
		1 semi annual			
Greene Valley	19 semi annual	2 semi annual	none		
		1 quarterly			
Harbor View Landfill	N/A	N/A	N/A		
Hickory Ridge LF	24 semi annual	6 semi annual	4 semi annual		
Illinois Landfill	28 semi annual	2 semi annual	2 quarterly		
Indian Creek LF	17 semi annual	6 semi annual	4 semi annual		
Kankakee	15 semi annual	2 annual	none		
		15 semi annual			
Livingston Landfill (ABC)	50 semi annual	32 semi annual	5 quarterly		
Mallard Lake LF (Closed	37 semi annual	2 semi annual	none		
Sep 2002)					
Milam	25 semi annual	3 semi annual	3 quarterly		
Modern FL (Closed	19 semi annual	1 semi annual	none		
December 1998)					
Quad Cities Phase III LF	19 semi annual	2 semi annual	none		
(closed Oct 1999)					
RCS Landfill (closed Oct	10 semi annual	1 semi annual	none		
2011)					
Rochelle Municipal Landfill	58 +27 semi	3 semi annual	3 quarterly		
	annual				
Roxana Landfill LLC	57 semi annual	5/2 Semiannual	4 quarterly		
Saline County Landfill	23 semi annual	2/1 Semiannual	none		
(closed July 2007)					
Sangamon Valley Landfill	26 semi annual	2/1 Semiannual	none		
Area I (closed Aug 2010)					
Settlers Hill (closed 2007)	15 semi annual	3 semi annual	none		
Southern Illinois Regional	51 semi annual	3/1 Semiannual	5 quarterly		
Landfill Inc.					
Streator Area LF 3 (Closed	15 semi annual	2/1 Semiannual	none		
Sep 2011)					
Sumner Landfill	8 semi annual	1 semiannual	1 quarterly		
Tazewell (closed 2007)	17 semi annual	1 annual	none		
		1 semi annual			
Upper Rock Island County LF	20 semi annual	2/3 alt 2 semi annual	3 quarterly		
Valley View	47 semi annual	2 semi annual	3 quarterly		

Table 15 - 814 Subpart D					
Name	Groundwater	Leachate	Stormwater		
		1 monthly			
Wayne County LF	15 semi annual	1 semiannual	3 quarterly		
West End LF	N/A	N/A	N/A		
Wheatland Prairie (closed	26 semi annual	3 semi annual	none		
2001)					
Winnebago LF (NS Unit)	50 semi annual	2 semiannual	0 quarterly		
Woodland (closed 2003)	24 semi annual	3 semi annual	none		

6. How many of the affected landfills in the State are expected to begin corrective action to address PFAS if Part 620 PFAS constituents are included under the groundwater quality standards?

RESPONSE:

As stated above, the landfill regulatory programs (35 III. Adm. Code Parts 811 and 814) do not currently require sampling and analyses for the PFAS constituents. Therefore, there are no landfills that immediately will begin corrective action upon elimination of the exemptions provided in Sections 620.410(f) and 620.420(e). However, it is expected that each of the 15 landfills in assessment/corrective action will require rate and extent evaluations for the PFAS constituents when added to the assessment monitoring list (Section 811.319(b)(5)(A)). This will result in implementation of additional measures as defined above and ultimately require revision to any existing corrective action program.

Any site that does not contain a composite liner system is susceptible to impacts from PFAS constituents due to the extremely low standards. The sites containing units constructed pursuant to Part 814, Subpart D fit that description. There are 24 sites/units listed as being regulated pursuant to Part 814, Subpart D; seven of the 24 sites are known to already be in assessment or corrective action.

7. What is the estimated cost of PFAS-related corrective action for each landfill? RESPONSE:

The following table provides a list of the estimated additional cost for the operating landfills in Illinois for corrective action for PFAS in groundwater. It is assumed no remediation will be required for Part 811 and Part 814 Subpart C facilities since these facilities are designed and constructed with composite liner and leachate management systems. The estimate assumes only Part 814 Subpart D units will require remediation.

A generalized cost estimate was used for the projected remedial costs associated with groundwater impacts attributed to the NWRA member landfills with groundwater impacts identified during assessment monitoring in the previous sections. The estimates assume no PFAS remediation would be necessary at landfills construction entirely with Subtitle D liner systems (Parts 811 and 814 Subpart C). The cost estimates were based upon data provided by the NWRAmember landfill operators. Operating landfill durations were obtained from the Illinois EPA Landfill Capacity Report dated July 2024 for 2023. The data used to estimate the remedial costs were obtained from the information provided in the Minnesota Pollution Control Agency Report dated May 2023 titled "Evaluation of Current Alternatives and Estimated Cost Curves for PFAS Removal and Destruction from Municipal Wastewater, Biosolids, Landfill Leachate, and Compost Contact Water" and found online at https://www.pca.state.mn.us/sites/default/files/c-pfc1-26.pdf (hereinafter "Minnesota Study"), as well as from an internal case study prepared by Republic Services in July 2025. The estimated costs are for the projected operating life of the facility, unless closed. The estimated costs include 30 years of post-closure care unless an alternative minimum post-closure care period is required. The following table provides the estimated remedial costs.

Table 16 - Estimate of Cost of PFAS-Related Corrective Action for Each Impacted						
Landfill						
Part 814 Subpart D Site Remediation GAC with high temperature Incineration (Alt 1a)		Foam fractionation with high temperature incineration of	Republic Case Study (2)			
		foamate (Alt 8a)				
Median	\$139,094,000	\$441,705,000	\$598,660,670			
High	\$164,519,000	\$581,667,000				
Low	\$113,669,000	\$301,743,000	\$549,460,670			

- (1) Cost provided for PFAS leachate treatment in Evaluation of Current Alternatives and Estimated Cost Curves for PFAS Removal and Destruction from Municipal Wastewater, Biosolids, Landfill Leachate, and Compost Contact Water Prepared for Minnesota Pollution Control Agency dated May 2023.
- (2) Cost provided by Republic Services for the collection of contaminated groundwater and treatment of PFAS contaminated groundwater in July 2025.
- (3) See Appendix C for Site Specific Estimates.

The estimates for the remediation of the PFAS-contaminated groundwater were variable. The Minnesota Study (which appears to be the most comprehensive study to date evaluating the impacts of PFAS-related monitoring) ranged significantly from a low- to high-construction cost depending upon the selected treatment. The two top options evaluated were granular activated carbon with high temperature incineration and a foam fractionation with high temperature incineration resulting in a total range of \$112MM up to \$558MM. The case study provided by Republic Services indicates capital costs for the project of \$3.893MM but indicated some initial design and construction issues with first-time construction may be mitigated in future construction, reducing the cost potential by \$1.2MM. Details of the estimate for each NWRA-member landfill is provided in Appendix C attached herein.

Table 17 -
Estimated Cost for Additional Section 620 PFAS Parameter Corrective Action
(shown with Alt 1a remedial option)

■ T	`	with Ait 1a remed		G4 4
Name	Classification	Groundwater	Leachate (2)	Stormwater
	(remaining			
A 1 1	years)	Φ0.1023.6.0	Φ0 2014 Φ0 6014 G	
Advanced	35	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Disposal Services		\$0.04M Annual	\$0.23M-\$0.48M	
Valley View		(X30 pcc+35	Annual	
Landfill Inc.		operating)	(X30 pcc+35	
			operating)	
Brickyard	19	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Disposal and		\$0.04M Annual	\$0.23M-\$0.48M	
Recycling Inc.		(X30 pcc+19	Annual	
		operating)	(X30 pcc+19	
			operating)	
Clinton Landfill	48	none	none	none
#3				
Cottonwood Hills	74	none	none	none
RDF				
Countryside	Closure 2027	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Landfill Inc.		\$0.04M Annual	\$0.23M-\$0.48M	
		(X30 pcc+2	Annual	
		operating)	(X30 pcc+2	
		,	operating)	
DeKalb County	25	none	none	none
Landfill				
Eco Hill Landfill	5	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
		\$0.04M Annual	\$0.23M-\$0.48M	
		(X30 pcc+5	Annual	
		operating)	(X30 pcc+5	
		1 27	operating)	
Envirofil of	92	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Illinois Inc.		\$0.04M Annual	\$0.23M-\$0.48M	
		(X30 pcc+92	Annual	
		operating)	(X30 pcc+92	
		1 8/	operating)	
Envotech-Illinois	11	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
LF		\$0.04M Annual	\$0.23M-\$0.48M	
(Litchfield-		(X30 pcc+11	Annual	
Hillsboro		operating)	(X30 pcc+11	
Landfill)			operating)	
Landini			operating)	

Table 17 -
Estimated Cost for Additional Section 620 PFAS Parameter Corrective Action
(shown with Alt 1a remedial option)

Cremaining years So.103M Cap. So.23M—\$0.60M Cap. None So.23M—\$0.48M Annual (X30 pcc+22 operating) So.30M—\$0.60M Cap. None So.23M—\$0.48M Annual (X30 pcc+22 operating) So.30M—\$0.60M Cap. None So.23M—\$0.60M Cap. So.23M—\$0.48M Annual (X30 pcc+64 operating) So.23M—\$0.48M Annual (X30 pcc+169 operating) So.23M—\$0.60M Cap. So.23M—\$0.48M Annual (X30 pcc+29 operating) CX30 pcc+29 operating) So.23M—\$0.48M Annual (X30 pcc+29 operating) So.23M—\$0.48M Annual (X30 pcc+29 operating) So.23M—\$0.60M Cap. So.23M—\$0	NT.	`	with Ait 1a remed		G4 ,
Prive Oaks 22 \$0.103M Cap. \$0.30M—\$0.60M Cap. \$0.04M Annual \$0.23M—\$0.48M Annual \$0.23M—\$0.60M Cap. \$0.04M Annual \$0.23M—\$0.48M Annual \$0.23M—\$0.60M Cap. \$0.04M Annual \$0.23M—\$0.60M Cap. \$0.04M Annual \$0.23M—\$0.60M Cap. \$0.04M Annual \$0.23M—\$0.48M \$0.23M—\$0.48M Annual \$0.23M—\$0.48M Annual \$0.23M—\$0.48M \$0.23M—\$0.48M Annual \$0.23M—\$0.48M Annual \$0.23M—\$0.48M Annual \$0.23M—\$0.60M Cap. \$0.04M Annual \$0.23M—\$0.06M Cap. \$	Name	Classification	Groundwater	Leachate (2)	Stormwater
Five Oaks Recycling and S0.103M Cap. S0.20M—\$0.60M Cap. S0.23M—\$0.48M Annual (X30 pcc+22 operating) S0.30M—\$0.48M Annual (X30 pcc+22 operating) S0.30M—\$0.60M Cap. S0.20M—\$0.60M Cap. S0.20M—\$0.60M Cap. S0.23M—\$0.48M Annual (X30 pcc+64 operating) S0.23M—\$0.48M Annual (X30 pcc+64 operating) S0.23M—\$0.48M Annual (X30 pcc+64 operating) S0.23M—\$0.60M Cap. S0.04M Annual (X30 pcc+169 operating) S0.23M—\$0.60M Cap. S0.04M Annual (X30 pcc+169 operating) S0.23M—\$0.60M Cap. S0.23M—\$0.48M Annual (X30 pcc+169 operating) S0.23M—\$0.60M Cap. S0.23M—\$0.48M Annual (X30 pcc+169 operating) S0.23M—\$0.60M Cap. S0.23M—\$0.48M Annual (X30 pcc+29 operating) (X30 pcc+22 operating) (` `			
Recycling and Disposal Facility	F' 0.1	• '	фо. 10 2) Г. С	Φ0 201 f Φ0 601 f G	
Disposal Facility		22	_	*	none
Description			, i	, ,	
Hickory Ridge	Disposal Facility		` 1		
Hickory Ridge			operating)	· =	
Landfill				1 0,	
CX30 pcc+64operating) (X30 pcc+64 operating) (X30 pcc+64 operating) (X30 pcc+64 operating) (X30 pcc+64 operating) (X30 pcc+169 operating) (X30 pcc+29 operating) (X30 pcc+22 operating) (X30 pcc+2		64	_	_	none
Dec+64 operating CX30 pec+64 operating CX30 pec+64 operating S0.103M Cap. S0.04M Annual (X30 pec+169 operating) S0.23M—\$0.48M Annual (X30 pec+169 operating) CX30 pec+169 operating CX30 pec+169 operating CX30 pec+169 operating S0.30M—\$0.60M Cap. S0.04M Annual (X30 pec+29 operating) S0.23M—\$0.48M Annual (X30 pec+29 operating) CX30 pec+29 operating CX30 pec+20 op	Landfill		· ·		
Illinois Landfill			`		
Illinois Landfill			pcc+64operating)	` -	
S0.04M Annual (X30 pcc+169 operating)				• • • • • • • • • • • • • • • • • • • •	
Comparing Comp	Illinois Landfill	169	_	±	none
Operating Operating Operating Operating			'		
Indian Creek					
Indian Creek			operating)	(X30 pcc+169	
Landfill No. 2 \$0.04M Annual (X30 pcc+29 operating) (X30 pcc+29 operating) (X30 pcc+29 operating)				·	
(X30 pcc+29 operating)	Indian Creek	29	_	\$0.30M-\$0.60M Cap.	none
Operating (X30 pcc+29operating)	Landfill No. 2		\$0.04M Annual	\$0.23M-\$0.48M	
N/A N/A N/A			(X30 pcc+29	Annual	
Knox County Landfill #3 LandComp Landfill Landfill #33 Ltd. (Rumpke) Laraway			operating)	(X30	
LandComp 22 none none none Landfill 5 (Rumpke) 19 none none none Laraway 19 none none none none Recycling and Disposal Facility 69 none none none Lee County Landfill 22 \$0.103M Cap. \$0.30M-\$0.60M Cap. none Landfill \$0.04M Annual (X30 pcc+22 Annual operating) \$0.23M-\$0.48M Annual (X30 pcc+22 Annual operating) \$0.23M-\$0.42				pcc+29operating)	
LandComp 22 none none none Landfill #33 Ltd. 5 (Rumpke) 19 none none none Laraway 19 none none none none Recycling and Disposal Facility 69 none none none Lee County Landfill 50.103M Cap. \$0.30M-\$0.60M Cap. none Landfill \$0.04M Annual (X30 pcc+22 operating) \$0.23M-\$0.48M Annual (X30 pcc+22) \$0.23M-\$0.48M	Knox County	6	N/A	N/A	
Landfill 5 (Rumpke) 19 none none none Laraway 19 none n	Landfill #3				
Landfill #33 Ltd. (Rumpke) Laraway 19 none none Recycling and Disposal Facility Lee County Landfill Livingston Landfill 22 \$0.103M Cap. \$0.23M-\$0.60M Cap. \$0.23M-\$0.48M (X30 pcc+22 Annual operating) (X30 pcc+22	LandComp	22	none	none	none
(Rumpke) 19 none none none Recycling and Disposal Facility 69 none none none Lee County Landfill 69 none none none Livingston Landfill 22 \$0.103M Cap. \$0.30M-\$0.60M Cap. none Landfill \$0.04M Annual (X30 pcc+22 Annual operating) \$0.23M-\$0.48M Annual (X30 pcc+22) \$0.23M-\$0.48M Annual (X30 pcc+22)	Landfill				
Laraway Recycling and Disposal Facility Lee County Landfill Livingston Landfill Civingston Landfill Lough Solution Landfill Civingston Landfill Civingston Landfill Civingston Cap. Solution Solut	Landfill #33 Ltd.	5			
Recycling and Disposal Facility 69 none none none Landfill 22 \$0.103M Cap. \$0.30M-\$0.60M Cap. none Landfill \$0.04M Annual \$0.23M-\$0.48M none (X30 pcc+22 Annual (X30 pcc+22 operating) (X30 pcc+22	(Rumpke)				
Disposal Facility 69 none none none Landfill 22 \$0.103M Cap. \$0.30M-\$0.60M Cap. none Landfill \$0.04M Annual (X30 pcc+22 operating) \$0.23M-\$0.48M Annual (X30 pcc+22) none	Laraway	19	none	none	none
Lee County Landfill 69 none none none Livingston Landfill 22 \$0.103M Cap. \$0.30M-\$0.60M Cap. none Landfill \$0.04M Annual (X30 pcc+22 annual operating) \$0.23M-\$0.48M annual (X30 pcc+22) Annual (X30 pcc+22 annual operating)	Recycling and				
Landfill 22 \$0.103M Cap. \$0.30M-\$0.60M Cap. none Landfill \$0.04M Annual (X30 pcc+22 operating) \$0.23M-\$0.48M Annual (X30 pcc+22 operating) \$0.23M-\$0.48M Annual (X30 pcc+22 operating)	Disposal Facility				
Livingston Landfill \$0.103M Cap. \$0.30M-\$0.60M Cap. none \$0.04M Annual (X30 pcc+22 operating) \$0.30M-\$0.48M Annual (X30 pcc+22)	Lee County	69	none	none	none
\$0.04M Annual \$0.23M—\$0.48M (X30 pcc+22 Annual operating) (X30 pcc+22	Landfill				
(X30 pcc+22 Annual operating) (X30 pcc+22	Livingston	22	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
operating) (X30 pcc+22	Landfill		\$0.04M Annual	\$0.23M-\$0.48M	
operating) (X30 pcc+22			(X30 pcc+22	Annual	
				(X30 pcc+22	
operating)				operating)	

Table 17 -
Estimated Cost for Additional Section 620 PFAS Parameter Corrective Action
(shown with Alt 1a remedial option)

(shown with Alt 1a remedial option)								
Name	Classification	Groundwater	Leachate (2)	Stormwater				
	(remaining							
	years)							
Milam Recycling	25	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
and Disposal		\$0.04M Annual	\$0.23M-\$0.48M					
Facility		(X30 pcc+25	Annual					
		operating)	(X30 pcc+25					
			operating)					
North Milam	11	none	none	none				
Landfill								
Orchard Hills	7	none	none	none				
Landfill								
Peoria	closed	none	none	none				
City/County								
Landfill #2								
Perry Ridge	47	N/A	N/A					
Landfill Inc.								
Prairie Hill	55	none	none	none				
Recycling and								
Disposal Facility								
Prairie View	12	none	none	none				
Recycling and								
Disposal Facility								
Quad Cities	43	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
Landfill, Phase		\$0.04M Annual	\$0.23M-\$0.48M					
IV		(X30 pcc+43	Annual					
		operating)	(X30 pcc+43					
			operating)					
Rochelle	65	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
Municipal		\$0.04M Annual	\$0.23M-\$0.48M					
Landfill No. 3		(X30 pcc+65	Annual					
		operating)	(X30 pcc+65					
			operating)					
Roxana Landfill	16	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
LLC		\$0.04M Annual	\$0.23M-\$0.48M					
		(X30 pcc+16	Annual					
		operating)	(X30 pcc+16					
			operating)					

Table 17 Estimated Cost for Additional Section 620 PFAS Parameter Corrective Action
(shown with Alt 1a remedial option)

Name	Classification (remaining	Groundwater	Leachate (2)	Stormwater
~ ** **	years)	фо. 4.0 23. 5.0		
Sangamon Valley	10	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Landfill Inc.		\$0.04M Annual	\$0.23M-\$0.48M	
		(X30 pcc+10	Annual	
		operating)	(X30 pcc+10	
			operating)	
Southern Illinois	39	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Regional Landfill		\$0.04M Annual	\$0.23M-\$0.48M	
Inc.		(X30 pcc+16	Annual	
		operating)	(X30 pcc+16	
			operating)	
Sumner Landfill	24	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Inc.		\$0.04M Annual	\$0.23M-\$0.48M	
		(X30 pcc+24	Annual	
		operating)	(X30 pcc+24	
			operating)	
Upper Rock	14	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Island County		\$0.04M Annual	\$0.23M-\$0.48M	
Landfill		(X30 pcc+14	Annual	
		operating)	(X30 pcc+14	
			operating)	
West End	75	N/A	N/A	N/A
Disposal Facility				
Winnebago	11	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none
Landfill		\$0.04M Annual	\$0.23M-\$0.48M	
		(X30 pcc+11	Annual	
		operating)	(X30 pcc+11	
			operating)	
Zion Landfill	Closure 2027	N/A	N/A	N/A

Notes:

- (1) Illinois Landfill Disposal Capacity Report Illinois EPA July 2024
- (2) Evaluation of Current Alternatives and Estimated Cost Curves for PFAS Removal and Destruction from Municipal Wastewater, Biosolids, Landfill Leachate, and Compost Contact Water by Barr May 2023 for Minnesota Pollution Control Agency.

Table 18 - Part 811 and Part 814 Subpart C									
Name	Groundwater	Leachate	Stormwater						
Brickyard LF Unit 2	none	none	none						
Chain of Rocks Phase II	none	none	none						
South (closed 2005)									
Clinton Landfill	none	none	none						
Cottonwood Hills	none	none	none						
DeKalb County – East Unit	none	none	none						
Dixon/GROP Landfill	none	none	none						
Phase III to V (closed									
July 2002)									
LandComp Landfill	none	none	none						
Laraway Solid Waste	none	none	none						
Unit									
Lee County Landfill	none	none	none						
Livingston Landfill D	none	none	none						
North Milam	none	none	none						
Orchard Hills	none	none	none						
Peoria City/County #2 (closed 2025)	none	none	none						
Prairie Hill	none	none	none						
Prairie View	none	none	none						
River Bend Prairie	none	none	none						
Sangamon Valley	none	none	none						
Landfill Area II									
Spoon Ridge LF (Closed May 2011)	none	none	none						
Winnebago LF (NEU, WEU NEU)	none	none	none						

Table 19- 814 Subpart D							
Name	Groundwater	Leachate	Stormwater				
ADS/McLean County	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
Landfill (closed Dec	\$0.04M Annual	\$0.23M-\$0.48M Annual					
2018)	(X23 pcc)	(X23 pcc)					
Belleville (Closed Oct	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
1997)	\$0.04M Annual	\$0.23M-\$0.48M Annual					

	Table 19- 814 Subpart D								
Name	Groundwater	Leachate	Stormwater						
	(x3 years remaining)	(x3 years remaining)							
Bond 814 Subpart C	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
(closed Oct 2011)	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(x16 years remaining)	(x16 years remaining)							
Brickyard LF Unit 1	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc+19	(X30 pcc+19 operating)							
	operating)								
	\$0.103M Cap.	\$0.30M-\$0.60MCap.	none						
Countryside	\$0.04M Annual	\$0.23M-\$0.48M Annual							
-	(X30 pcc +2 operating)	(X30 pcc +2 operating)							
Davis Junction LF	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
(Closed March 2000)	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(x5 years remaining)	(x5 years remaining)							
D W 11 C	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
DeKalb County – West	\$0.04M Annual	\$0.23M-\$0.48M Annual							
Unit (closed 2025)	(X30 pcc)	(X30 pcc)							
Dixon/GROP Landfill	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
Phase II (closed July	\$0.04M Annual	\$0.23M-\$0.48M Annual							
2001)	(x6 years remaining)	(x6 years remaining)							
Eco Hill Landfill	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc+5 operating)	(X30 pcc+5 operating)							
Envirofil	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc +92	(X30 pcc +92 operating)							
	operating)								
Environtech, Inc. (closed	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
November 2016)	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(x21 years remaining)	(x21 years remaining)							
Envotech-Illinois LF	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
(Litchfield-Hillsboro	\$0.04M Annual	\$0.23M-\$0.48M Annual							
Landfill)	(X30 pcc+11	(X30 pcc+11 operating)							
	operating)								
ERC/Coles Co LF	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
(Closed Oct 2010)	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(x15 years remaining)	(x15 years remaining)							
Five Oaks	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
		(X30 pcc +22 operating)							

Table 19- 814 Subpart D									
Name	Groundwater	Leachate	Stormwater						
	(X30 pcc +22								
	operating)								
Greene Valley	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X4 pcc)	(X4 pcc)							
Harbor View Landfill	N/A	N/A	N/A						
Hickory Ridge LF	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc+64	(X30 pcc+64 operating)							
	operating)								
Illinois Landfill	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(30pcc +169 years	(30pcc +169 years							
	remaining)	remaining)							
Indian Creek LF	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc+29	(X30 pcc+29 operating)							
	operating)								
Kankakee	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X11 pcc)	(X11 pcc)							
Livingston Landfill	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc+11	(X30 pcc+11 operating)							
	operating)								
Mallard Lake LF	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
(Closed Sep 2002)	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X77 pcc)	(X77 pcc)							
Milam	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc +25	(X30 pcc +25 operating)							
	operating)								
Modern FL (Closed	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
December 1998)	(X3 pcc)	(X3 pcc)							
Quad Cities Phase III LF	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
•	\$0.04M Annual	\$0.23M-\$0.48M Annual							
(closed Oct 1999)	(X4 pcc)	(X4 pcc)							
RCS Landfill (closed	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
Oct 2011)	\$0.04M Annual	\$0.23M-\$0.48M Annual							

	Table 19- 814 Subpart D								
Name	Groundwater	Leachate	Stormwater						
	(X16 pcc)	(X16 pcc)							
Rochelle Municipal	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc+65	(X30 pcc+65 operating)							
	operating)								
	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
D I 1011 I I C	\$0.04M Annual	\$0.23M-\$0.48M Annual							
Roxana Landfill LLC	(X30 pcc+16	(X30 pcc+16 operating)							
	operating)								
C 1' C 1 10'11	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
Saline County Landfill	\$0.04M Annual	\$0.23M-\$0.48M Annual							
(closed July 2007)	(X12 pcc)	(X12 pcc)							
Sangamon Valley	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
Landfill Area I (closed	\$0.04M Annual	\$0.23M-\$0.48M Annual							
Aug 2010)	X30 pcc+10 operating)	X30 pcc+10 operating)							
	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
Settlers Hill (closed	\$0.04M Annual	\$0.23M-\$0.48M Annual							
2007)	(X12 pcc)	(X12 pcc)							
C 4 111'	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
Southern Illinois	\$0.04M Annual	\$0.23M-\$0.48M Annual							
Regional Landfill Inc	X30 pcc+39 operating)	X30 pcc+39 operating)							
Streator Area LF 3	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
(Closed Sep 2011)	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X6 pcc)	(X6 pcc)							
Sumner Landfill Inc.	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X30 pcc+16	(X30 pcc+16 operating)							
	operating)								
	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
Tazewell (closed 2007)	\$0.04M Annual	\$0.23M-\$0.48M Annual							
	(X12 pcc)	(X12 pcc)							
Upper Rock Island	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
County LF	\$0.04M Annual	\$0.23M-\$0.48M Annual							
-	(X30 pcc+14	(X30 pcc+14 operating)							
	operating)								
	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none						
Valley Views	\$0.04M Annual	\$0.23M-\$0.48M Annual							
Valley View	(X30 pcc +35	(X30 pcc +35 operating)							
	operating)								

Table 19- 814 Subpart D							
Name	Groundwater	Leachate	Stormwater				
Wayne County LF	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
	\$0.04M Annual	\$0.23M-\$0.48M Annual					
	(X30 pcc+? operating)	(X30 pcc+? operating)					
West End LF	N/A	N/A	N/A				
Wheatland Prairie	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
Wheatland Prairie (closed 2001)	\$0.04M Annual	\$0.23M-\$0.48M Annual					
(Closed 2001)	(X6 pcc)	(X6 pcc)					
Winnebago LF (NS	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
Unit)	\$0.04M Annual	\$0.23M-\$0.48M Annual					
	(X30 pcc+11	(X30 pcc+11 operating)					
	operating)						
	\$0.103M Cap.	\$0.30M-\$0.60M Cap.	none				
Woodland (closed 2003)	\$0.04M Annual	\$0.23M-\$0.48M Annual					
	(X8 pcc)	(X8 pcc)					

Cost provided for PFAS leachate treatment in Evaluation of Current Alternatives and Estimated Cost Curves for PFAS Removal and Destruction from Municipal Wastewater, Biosolids, Landfill Leachate, and Compost Contact Water Prepared for Minnesota Pollution Control Agency dated May 2023.

8. Provide cost breakdowns for PFAS-related remediation efforts for landfills in other states.

RESPONSE:

A breakdown of costs has been discussed in the above sections, with estimated costs included in spreadsheets contained in Appendices A, B, and C attached herein.

III. Additional Considerations

In addition to the responses included in Section II above, I also present the following information for the Board's consideration. The purpose of this testimony is to aid the Board in determining the financial impacts to the solid waste disposal industry (specifically the landfill industry regulated by Parts 811 and 814) by implementation of the new PFAS-constituent groundwater quality standards within 35 Ill. Adm. Code Part 620. As noted above, the Board

requested additional information in eight questions contained in its May 15, 2025, filing. Because the regulatory programs specific to landfill facilities do not currently require the monitoring of PFAS constituents, very limited data exist for current groundwater and leachate quality. Responses to the eight questions are based on likely and expected conditions.

The cost evaluations included:

- a. Groundwater and leachate monitoring;
- b. Confirmation sampling, source evaluations, and alternate source demonstrations;
- c. Derivation of background concentrations;
- d. Assessment monitoring, and rate and extent investigations; and
- e. Design, permitting, installation, and operation of remedial action systems.

As provided in the cost breakdowns, expenses to maintain compliance with Parts 811 and 814 will be significant with incorporation of the changes to Part 620 by reference, particularly those sites constructed pursuant to Part 814, Subpart D.

No sites containing a composite liner system pursuant to Part 811 are expected to show future leachate impacts, as exceedances of groundwater quality standards for municipal solid waste disposal units (leachate seepage through the liner system) have not been attributable to 40 C.F.R. Part 258 Subtitle D liner systems over the 30-plus years of operation. However, contaminant transport modeling required pursuant to 35 Ill. Adm. Code Section 811.317 will, in many cases, result in the failure of the CTM and require costly revisions to the design or incorporation of a contingent remediation plan. Costs for these modifications has been included with the Part 814 Subpart D assessments for \$35,000, but no additional assessment costs have been included in this analysis for the Part 811 and Part 814 Subpart C monitoring.

The implementation of the PFAS standards is expected to impact sites with current permits or legal agreements in place for corrective action, groundwater management zones, enhanced monitoring, etc. These activities may be operating pursuant to compliance commitment agreements, consent orders, Record of Decisions, or other legal agreements. Incorporation of the PFAS-constituent limits is expected to result in re-evaluation and revision of a number of these agreements.

Based on the lack of actual data of the PFAS constituents in the groundwater and leachate, the financial impact to the landfill facilities cannot be fully determined at this time but will be substantial. It is recommended that the Agency evaluate what policies (such as Appendix C to LPC-PA2/LPC-PA19) and existing regulations should be revised prior to implementing the PFAS standards to minimize a significant backlog of data, applications – assessments/alternate source demonstrations, appeals, etc.

IV. Conclusion

The information included herein demonstrates the infeasibility of landfills to comply with the applicable PFAS-related monitoring and corrective action requirements triggered by Part 620 PFAS standards. Thus, the NWRA respectfully requests the Board retain the exemption for Part 811 and Part 814 landfills from Part 620 PFAS provisions under 35 Ill. Adm. Code 620.410(f) and 620.420(e) indefinitely.

The NWRA is committed to closely working with the Agency in the future on a larger rulemaking that would update Parts 811 and 814 for many purposes including PFAS. It is possible that the larger rulemaking may alleviate some of the concerns of the landfill industry. Therefore, in the alternative, the NWRA respectfully requests the Board retain the exemption for Part 811

and Part 814 landfills from Part 620 PFAS provisions under 35 Ill. Adm. Code 620.410(f) and 620.420(e) until the completion of the larger rulemaking.

This concludes my testimony.

Dated: July 25, 2025

NATIONAL WASTE & RECYCLING ASSOCIATION

By: <u>s/Scott B. Sievers</u>
Scott B. Sievers

BROWN, HAY & STEPHENS, LLP

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Appendix A.1 Potential Cost Increase in Part 814 Subpart D Site Monitoring for Part 620 PFAS Constituents

	Ye	ears	W	ells	I	Lead	chate		Storm	nwater		
Part 814 Subpart D Landfills	ops	рсс	ops	рсс	annual-ops	рсс	semi	quarterly	quarterly	рсс	# Samples	Subtotals
Belleville (Closed Oct 1997)	0	3	0	18	0	0	1	0	0	0	56	\$21,000
Bond Co. LF (Closed Oct 2011)	0	16	0	10	0	0	1	0	0	0	162	\$60,750
Brickyard LF Unit 1	19	30	23	0	0	0	1	0	0	0	1,604	\$601,500
Countryside	2	30	25	0	0	0	3	0	1	0	876	\$328,500
Davis Junction LF (Closed March 2000)	0	5	21	0	0	0	1	0	0	0	107	\$40,125
DeKalb County – West Unit (closed 2025)	0	30	32	0	0	0	3	0	0	4	982	\$368,250
Dixon/GROP Landfill Phase II (closed July 2001)	0	6	18	0	0	0	1	0	0	0	110	\$41,250
Eco Hill Landfill	5	30	17	0	0	0	1	0	4	0	772	\$289,500
Envirofil	92	30	24	0	0	0	1	13	8	0	13,102	\$4,913,250
Environtech, Inc. (closed November 2016)	0	21	0	13	0	0	1	0	0	0	275	\$103,125
Envotech-Illinois LF (Litchfield-Hillsboro Landfill)	11	30	56	0	0	0	2	0	2	0	3,048	\$1,143,000
ERC/Coles Co LF (Closed Oct 2010)	0	14	13	0	0	0	1	0	0	0	184	\$69,000
Five Oaks	22	30	22	2	0	4	1	3	7	0	2,630	\$986,250
Greene Valley	0	4	19	0	0	0	2	1	0	0	84	\$31,500
Hickory Ridge	64	30	24	0	0	0	6	0	4	0	5,596	\$2,098,500
Illinois Landfill	169	30	28	0	0	0	2	0	2	0	12,336	\$4,626,000
Indian Creek	29	30	17	0	0	0	6	0	4	0	2,320	\$870,000
Kankakee	0	11	15	0	2	0	15	0	0	0	197	\$73,875
Livingston Landfill (ABC)	11	30	50	0	0	0	32	0	0	0	3,368	\$1,263,000
Mallard Lake LF (Closed Sep 2002)	0	77	37	0	0	0	2	0	0	0	2,853	\$1,069,875
McLean County Landfill/ADS (closed Dec 2018)	0	23	20	0	0	0	2	0	0	0	464	\$174,000
Milam	25	30	25	0	0	0	3	0	3	0	2,456	\$921,000
Modern FL (Closed December 1998)	0	3	19	0	0	0	1	0	0	0	59	\$22,125
Quad Cities Phase III LF (closed Oct 1999)	0	4	19	0	0	0	2	0	0	0	80	\$30,000
RCS Landfill (closed Oct 2011)	0	16	10	0	0	0	1	0	0	0	162	\$60,750
Rochelle Municipal	65	30	58	0	0	0	3	0	3	0	10,456	\$3,921,000
Roxana Landfill LLC	16	30	57	0	6	0	2	0	4	0	3,960	\$1,485,000
Saline County Landfill (closed July 2007)	0	12	23	0	2	0	1	0	0	0	280	\$1,483,000
Sangamon Valley Landfill Area I (closed Aug 2010)	10	30	26	0	2	0	1	0	0	0	1,344	\$504,000
Settlers Hill (closed 2007)	0	12	15	0	0	0	3	0	0	0	1,544	\$69,750
Southern Illinois Regional Landfill Inc	39	30	51	0	2	0	1	0	5	0	6,448	\$2,418,000
Streator Area LF 3 (Closed Sep 2011)	0	6	15	0	2	0	1	0	0	0	94	\$2,418,000
Sumner Landfill Inc.			8						1			
Tazewell (closed 2007)	16 0	30 12	17	0	0	0	1	0		0	594 207	\$222,750 \$77,625
Upper Rock Island County LF		ĺ			1	0	1		0	0		
Valley View	14	30	20	0	1	0	2	0	3	0	1,403	\$526,125
Wayne County LF (1)	35	30	47	0	0	0	2	4	3	0	5,840	\$2,190,000
Wheatland Prairie (closed 2001)	0	30	15	0	0	0	1	0	3	0	452	\$169,500
Winnebago LF (NS Unit)	0	6	26	0	0	0	3	0	0	0	162	\$60,750
	0	30	50	0	0	0	2	0	0	0	1,504	\$564,000
Woodland (closed 2003) OPS = Operating Years; PCC = Post Closure Care.	0	8	24	0	0	0	3	0	0	0	198 Total =	\$74,250 \$32,629,125

OPS = Operating Years; PCC = Post Closure 0
Assume no expansions or PCC after 30 years.

\$375 per sample analyses.

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Potential Cost Increase in Part 811 Part 814 Subpart C Site Monitoring for Part 620 PFAS Constituents

		terreiar cost			• • • • • • • • • • • • • • • • • • • •				1 A3 Constituen	
	ye	ars	W	ells		Leachate			stormw	ater
	ops	рсс	ops	рсс	annual-op	рсс	semi	quarterly	quarterly	рсс
Brickyard LF Unit 2	19	30	18	0	0	0	2	0	4	0
Chain of Rocks Phase II South (closed 2005)	0	25	0	14	2	0	1	0	0	0
Clinton Landfill	48	30	78	0	0	0	6	0	6	0
Cottonwood Hills	74	30	15	0	4	0	0	0	3	0
DeKalb County – East Unit	25	30	19	20	3	6	1	0	4	0
Dixon/GROP Landfill Phase III to V (closed July 2002)	0	7	0	19	0	0	1	0	0	0
LandComp Landfill	22	30	20	11	3	0	0	0	3	0
Laraway Solid Waste Unit	19	30	41	11	3	0	0	0	7	2
Lee County Landfill	69	30	56	32	3	0	0	0	2	0
Livingston Landfill D	11	30	57	36	0	0	5	0	6	0
North Milam	11	30	75	0	0	0	1	4	3	0
Orchard Hills	7	30	26	0	0	0	2	1	4	0
Peoria City/County #2 (closed 2025)	0	5	0	21	1	0	1	0	4	0
Prairie Hill	55	30	33	7	3	0	0	0	4	0
Prairie View	12	30	21	0	3	0	0	0	4	0
Sangamon Valley Landfill Area II	10	30	16	4	1	0	0	0	3	0
Spoon Ridge LF (Closed May 2011)	0	16	0	16	1	0	0	0	0	0
Winnebago (NEU, WEU NEU)	11	30	69	9	0	0	6	0	11	0

# Samples	Subtotals
1,608	\$603,000
354	\$132,750
11,568	\$4,338,000
3,858	\$1,446,750
2,656	\$996,000
135	\$50,625
2,143	\$803,625
3,710	\$1,391,250
11,130	\$4,173,750
4,428	\$1,660,500
4,248	\$1,593,000
1,320	\$495,000
108	\$40,500
5,878	\$2,204,250
1,365	\$511,875
1,051	\$394,125
257	\$96,375
4,486	\$1,682,250
Total -	\$22 612 625

Total = \$22,613,625

OPS = Operating Years; PCC = Post Closure Care.

Assume no expansions or PCC after 30 years.

\$375 per sample analyses.

Electronic Filing: Receimeddi Clerk's Office 07/25/2025 Potential Cost Increase in Part 814 Subpart D Site Assessment for Part 620 PFAS Constituents

	ye	years Wells		ells	Co		
Part 814 Subpart D Landfills	ops	рсс	ops	рсс	Ops	PCC	Subtotals
Belleville (Closed Oct 1997)	0	3	0	18	\$0	\$13,500	\$58,500
Bond Co. LF (Closed Oct 2011)	0	16	0	10	\$0	\$7,500	\$52,500
Brickyard LF Unit 1	19	30	23	0	\$17,250	\$0	\$62,250
Countryside	2	30	25	0	\$18,750	\$0	\$63,750
Davis Junction LF (Closed March 2000)	0	5	21	0	\$15,750	\$0	\$60,750
DeKalb County – West Unit (closed 2025)	0	30	32	0	\$24,000	\$0	\$69,000
Dixon/GROP Landfill Phase II (closed July 2001)	0	6	18	0	\$13,500	\$0	\$58,500
Eco Hill Landfill	5	30	17	0	\$12,750	\$0	\$57,750
Envirofil	92	30	24	0	\$18,000	\$0	\$63,000
Environtech, Inc. (closed November 2016)	0	21	0	13	\$0	\$9,750	\$54,750
Envotech-Illinois LF (Litchfield-Hillsboro Landfill)	11	30	56	0	\$42,000	\$0	\$87,000
ERC/Coles Co LF (Closed Oct 2010)	0	14	13	0	\$9,750	\$0	\$54,750
Five Oaks	22	30	22	2	\$16,500	\$1,500	\$108,000
Greene Valley	0	4	19	0	\$14,250	\$0	\$59,250
Hickory Ridge	64	30	24	0	\$18,000	\$0	\$63,000
Illinois Landfill	169	30	28	0	\$21,000	\$0	\$66,000
Indian Creek	29	30	17	0	\$12,750	\$0	\$57,750
Kankakee	0	11	15	0	\$11,250	\$0	\$56,250
Livingston Landfill (ABC)	11	30	50	0	\$37,500	\$0	\$82,500
Mallard Lake LF (Closed Sep 2002)	0	77	37	0	\$27,750	\$0	\$72,750
McLean County Landfill/ADS (closed Dec 2018)	0	23	20	0	\$15,000	\$0	\$60,000
Milam	25	30	25	0	\$18,750	\$0	\$63,750
Modern FL (Closed December 1998)	0	3	19	0	\$14,250	\$0	\$59,250
Quad Cities Phase III LF (closed Oct 1999)	0	4	19	0	\$14,250	\$0	\$59,250
RCS Landfill (closed Oct 2011)	0	16	10	0	\$7,500	\$0	\$52,500
Rochelle Municipal	65	30	58	0	\$43,500	\$0	\$88,500
Roxana Landfill LLC	16	30	57	0	\$42,750	\$0	\$87,750
Saline County Landfill (closed July 2007)	0	12	23	0	\$17,250	\$0	\$62,250
Sangamon Valley Landfill Area I (closed Aug 2010)	10	30	26	0	\$19,500	\$0	\$64,500
Settlers Hill (closed 2007)	0	12	15	0	\$11,250	\$0	\$56,250
Southern Illinois Regional Landfill Inc	39	30	51	0	\$38,250	\$0	\$83,250
Streator Area LF 3 (Closed Sep 2011)	0	6	15	0	\$11,250	\$0	\$56,250
Sumner Landfill Inc.	16	30	8	0	\$6,000	\$0	\$51,000
Tazewell (closed 2007)	0	12	17	0	\$12,750	\$0	\$57,750
Upper Rock Island County LF	14	30	20	0	\$15,000	\$0	\$60,000
Valley View	35	30	47	0	\$35,250	\$0	\$80,250
Wayne County LF (1)	0	30	15	0	\$11,250	\$0	\$56,250
Wheatland Prairie (closed 2001)	0	6	26	0	\$19,500	\$0	\$64,500
Winnebago LF (NS Unit)	0	30	50	0	\$37,500	\$0	\$82,500
Woodland (closed 2003)	0	8	24	0	\$18,000	\$0	\$63,000
OPS = Operating Years; PCC = Post Closure Care.	1	ı	<u> </u>	I	, 20,000	Total =	

OPS = Operating Years; PCC = Post Closure Care. Assume no expansions or PCC after 30 years.

\$375 per sample analyses. \$10,000 per permit application. \$35,000 for additional assessment investigation.

Total = \$2,616,750

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Potential Cost Increase in Part 811 and 814 Subpart C Site Assessment for Part 620 PFAS Constituents

	ye	ars	W	ells			
	ops	рсс	ops	рсс	ops cost	pcc costs	subtotal
Brickyard LF Unit 2	19	30	18	0	\$13,500	\$0	\$23,500
Chain of Rocks Phase II South (closed 2005)	0	25	0	14	\$0	\$10,500	\$20,500
Clinton Landfill	48	30	78	0	\$58,500	\$0	\$68,500
Cottonwood Hills	74	30	15	0	\$11,250	\$0	\$21,250
DeKalb County – East Unit	25	30	19	20	\$14,250	\$15,000	\$49,250
Dixon/GROP Landfill Phase III to V (closed July 2002)	0	7	0	19	\$0	\$14,250	\$24,250
LandComp Landfill	22	30	20	11	\$15,000	\$8,250	\$43,250
Laraway Solid Waste Unit	19	30	41	11	\$30,750	\$8,250	\$59,000
Lee County Landfill	69	30	56	32	\$42,000	\$24,000	\$86,000
Livingston Landfill D	11	30	57	36	\$42,750	\$27,000	\$89,750
North Milam	11	30	75	0	\$56,250	\$0	\$66,250
Orchard Hills	7	30	26	0	\$19,500	\$0	\$29,500
Peoria City/County #2 (closed 2025)	0	5	0	21	\$0	\$15,750	\$25,750
Prairie Hill	55	30	33	7	\$24,750	\$5,250	\$50,000
Prairie View	12	30	21	0	\$15,750	\$0	\$25,750
Sangamon Valley Landfill Area II	10	30	16	4	\$12,000	\$3,000	\$35,000
Spoon Ridge LF (Closed May 2011)	0	16	0	16	\$0	\$12,000	\$22,000
Winnebago (NEU, WEU NEU)	11	30	69	9	\$51,750	\$6,750	\$78,500

OPS = Operating Years; PCC = Post Closure Care.

Assume no expansions or PCC after 30 years.

\$375 per sample analyses. \$10,000 per permit application.

Total = \$818,000

Electronic Filing: Received Olerk's Office 07/25/2025 Estimate of Cost of PFAS-Related Corrective Action for Each Impacted Landfill

		Groundwat	er Collection			F	FAS Treatment	Cap.						PFAS	Treatment O&N	/I An.		
		Cap.	O&M An.	low (Alt 1a)	median (Alt 1a)	high (Alt 1a)	low (Alt 8a)	median (Alt 8a)	high (Alt 8a)	Republic	Republic (low cap)	low (Alt 1a)	median (Alt 1a)	high (Alt 1a)	low (Alt 8a)	median (Alt 8a)	high (Alt 8a)	Republic
	Op/PCC years	\$103,000	\$40,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$23,000	\$35,500	\$48,000	\$20,000	\$31,000	\$42,000	\$245,000
Belleville (Closed Oct 1997)	3	\$103,000	\$120,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$69,000	\$106,500	\$144,000	\$60,000	\$93,000	\$126,000	\$735,000
Bond Co. LF (Closed Oct 2011)	16	\$103,000	\$640,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$368,000	\$568,000	\$768,000	\$320,000	\$496,000	\$672,000	\$3,920,000
Brickyard LF Unit 1	49	\$103,000	\$1,960,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$1,127,000	\$1,739,500	\$2,352,000	\$980,000	\$1,519,000	\$2,058,000	\$12,005,000
Countryside	32	\$103,000	\$1,280,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$736,000	\$1,136,000	\$1,536,000	\$640,000	\$992,000	\$1,344,000	\$7,840,000
Countryside	32	\$103,000	\$1,280,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$736,000	\$1,136,000	\$1,536,000	\$640,000	\$992,000	\$1,344,000	\$7,840,000
Davis Junction LF (Closed March 2000)	5	\$103,000	\$200,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$115,000	\$177,500	\$240,000	\$100,000	\$155,000	\$210,000	\$1,225,000
DeKalb County – West Unit (closed 2025)	30	\$103,000	\$1,200,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$690,000	\$1,065,000	\$1,440,000	\$600,000	\$930,000	\$1,260,000	\$7,350,000
Dixon/GROP Landfill Phase II (closed July 2001)	6	\$103,000	\$240,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$138,000	\$213,000	\$288,000	\$120,000	\$186,000	\$252,000	\$1,470,000
Eco Hill Landfill	35	\$103,000	\$1,400,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$805,000	\$1,242,500	\$1,680,000	\$700,000	\$1,085,000	\$1,470,000	\$8,575,000
Envirofil	122	\$103,000	\$4,880,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$2,806,000	\$4,331,000	\$5,856,000	\$2,440,000	\$3,782,000	\$5,124,000	\$29,890,000
Environtech, Inc. (closed November 2016)	21	\$103,000	\$840,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$483,000	\$745,500	\$1,008,000	\$420,000	\$651,000	\$882,000	\$5,145,000
Envotech-Illinois LF (Litchfield-Hillsboro Landfill)	41	\$103,000	\$1,640,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$943,000	\$1,455,500	\$1,968,000	\$820,000	\$1,271,000	\$1,722,000	\$10,045,000
ERC/Coles Co LF (Closed Oct 2010)	15	\$103,000	\$600,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$345,000	\$532,500	\$720,000	\$300,000	\$465,000	\$630,000	\$3,675,000
Five Oaks	52	\$103,000	\$2,080,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$1,196,000	\$1,846,000	\$2,496,000	\$1,040,000	\$1,612,000	\$2,184,000	\$12,740,000
Greene Valley	4	\$103,000	\$160,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$92,000	\$142,000	\$192,000	\$80,000	\$124,000	\$168,000	\$980,000
Hickory Ridge	94	\$103,000	\$3,760,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$2,162,000	\$3,337,000	\$4,512,000	\$1,880,000	\$2,914,000	\$3,948,000	\$23,030,000
Illinois Landfill	199	\$103,000	\$7,960,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$4,577,000	\$7,064,500	\$9,552,000	\$3,980,000	\$6,169,000	\$8,358,000	\$48,755,000
Indian Creek	59	\$103,000	\$2,360,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$1,357,000	\$2,094,500	\$2,832,000	\$1,180,000	\$1,829,000	\$2,478,000	\$14,455,000
Kankakee	11	\$103,000	\$440,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$253,000	\$390,500	\$528,000	\$220,000	\$341,000	\$462,000	\$2,695,000
Livingston Landfill	41	\$103,000	\$1,640,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$943,000	\$1,455,500	\$1,968,000	\$820,000	\$1,271,000	\$1,722,000	\$10,045,000
Mallard Lake LF (Closed Sep 2002)	77	\$103,000	\$3,080,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$1,771,000	\$2,733,500	\$3,696,000	\$1,540,000	\$2,387,000	\$3,234,000	\$18,865,000
McLean County Landfill/ADS (closed Dec 2018)	23	\$103,000	\$920,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$529,000	\$816,500	\$1,104,000	\$460,000	\$713,000	\$966,000	\$5,635,000
Milam	55	\$103,000	\$2,200,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$1,265,000	\$1,952,500	\$2,640,000	\$1,100,000	\$1,705,000	\$2,310,000	\$13,475,000
Modern FL (Closed December 1998)	3	\$103,000	\$120,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$69,000	\$106,500	\$144,000	\$60,000	\$93,000	\$126,000	\$735,000
Quad Cities Phase III LF (closed Oct 1999)	4	\$103,000	\$160,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236	\$2,693,236	\$92,000	\$142,000	\$192,000	\$80,000	\$124,000	\$168,000	\$980,000
RCS Landfill (closed Oct 2011)	16	\$103,000	\$640,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$368,000	\$568,000	\$768,000	\$320,000	\$496,000	\$672,000	\$3,920,000
Rochelle Municipal	95	\$103,000	\$3,800,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$2,185,000	\$3,372,500	\$4,560,000	\$1,900,000	\$2,945,000	\$3,990,000	\$23,275,000
Roxana Landfill LLC	46	\$103,000	\$1,840,000	\$300,000	\$450,000	\$600,000	\$5,000,000					\$1,058,000		\$2,208,000		\$1,426,000	\$1,932,000	
Saline County Landfill (closed July 2007)	12	\$103,000	\$480,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$276,000	\$426,000	\$576,000	\$240,000	\$372,000	\$504,000	\$2,940,000
Sangamon Valley Landfill Area I (closed Aug 2010)	40	\$103,000	\$1,600,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$920,000	\$1,420,000	\$1,920,000	\$800,000	\$1,240,000	\$1,680,000	\$9,800,000
Settlers Hill (closed 2007)	12	\$103,000	\$480,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000		\$3,893,236		\$276,000	\$426,000	\$576,000	\$240,000	\$372,000	\$504,000	\$2,940,000
Southern Illinois Regional Landfill Inc	69	\$103,000	\$2,760,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$1,587,000	\$2,449,500	\$3,312,000	\$1,380,000	\$2,139,000	\$2,898,000	\$16,905,000
Streator Area LF 3 (Closed Sep 2011)	6	\$103,000	\$240,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$138,000	\$213,000	\$288,000	\$120,000	\$186,000	\$252,000	\$1,470,000
Sumner Landfill Inc.	46	\$103,000	\$1,840,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$1,058,000	\$1,633,000	\$2,208,000	\$920,000	\$1,426,000	\$1,932,000	\$11,270,000
Tazewell (closed 2007)	12	\$103,000	\$480,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000		\$3,893,236		\$276,000	\$426,000	\$576,000	\$240,000	\$372,000	\$504,000	\$2,940,000
Upper Rock Island County LF	44	\$103,000	\$1,760,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$1,012,000	\$1,562,000	\$2,112,000	\$880,000	\$1,364,000	\$1,848,000	\$10,780,000
Valley View	65	\$103,000	\$2,600,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$1,495,000	\$2,307,500	\$3,120,000	\$1,300,000	\$2,015,000	\$2,730,000	
Wayne County LF (1)	30	\$103,000	\$1,200,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$690,000	\$1,065,000	\$1,440,000	\$600,000	\$930,000	\$1,260,000	\$7,350,000
Wheatland Prairie (closed 2001)	6	\$103,000	\$240,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$138,000	\$1,003,000	\$288,000	\$120,000	\$186,000	\$252,000	\$1,470,000
Winnebago LF (NS Unit)	6	\$103,000	\$240,000	\$300,000	\$450,000	\$600,000	\$5,000,000			\$3,893,236		\$138,000	\$213,000	\$288,000	\$120,000	\$186,000	\$252,000	\$1,470,000
Woodland (closed 2003)	8	\$103,000	\$320,000	\$300,000	\$450,000	\$600,000	\$5,000,000	\$8,000,000	\$11,000,000	\$3,893,236		\$138,000	\$213,000	\$288,000	\$120,000	\$186,000	\$232,000	\$1,470,000
· · · · · · · · · · · · · · · · · · ·	Totals =	\$4,223,000	\$61,680,000			\$24,600,000				\$159,622,670		\$35,466,000			\$30,840,000	\$47,802,000		\$373,135,000

In the Matter of Proposed Amendments to Groundwater Quality (35 Ill. Adm. Code 620) for Landfills under 35 Ill. Adm. Code 811, 814 Pollution Control Board No. R2022-018(A)

CERTIFICATE OF SERVICE

Scott B. Sievers of the law firm of Brown, Hay + Stephens, LLP herein certifies that on July 25, 2025, from Springfield, Illinois, he electronically submitted for filing the foregoing **TESTIMONY OF ERIC BALLENGER ON BEHALF OF NATIONAL WASTE & RECYCLING ASSOCIATION** with the Pollution Control Board by using the Clerk's Office On-Line (COOL) eFile system. Scott B. Sievers further certifies that, on July 25, 2025, he served the other parties in this case with a copy of the foregoing document by transmitting the documents by e-mail to those on the attached service list.

Dated: July 25, 2025

By: s/Scott B. Sievers
Scott B. Sievers

BROWN, HAY & STEPHENS, LLP

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