From: McGill, Richard
To: Brown, Don
Cc: Leoni, Carlie M.; Bilbruck, Shannon O.
Subject: FW: 35-1422 Register 50/21
Date: Monday, May 18, 2026 1:06:55 PM
Attachments: 35-1422 (JCAR current).pdf
35-1422 from R04 Register for 35-1422-19-02994.pdf
35-1422 from Code and what is on file (current).pdf
35-1422 Delta for Register 50-21 showing difference between Agency and JCAR.pdf
35-1422 Agency Register 50-21.pdf
35-1422 from c04 Register for 35-1422-19-02994.pdf

Good afternoon, Mr. Clerk,

Please docket this email from JCAR staff, including all attachments, as a public comment in R25-24.

Thank you.

Richard R. McGill, Jr.
Senior Attorney for Research & Writing
Illinois Pollution Control Board
60 E. Van Buren St., Suite 630
Chicago, Illinois 60605
(312) 814-6983
richard.mcgill@illinois.gov

-----Original Message-----
From: Rivas, Tobias <TobiasR@ilga.gov>
Sent: Monday, May 18, 2026 11:40 AM
To: McGill, Richard <Richard.McGill@illinois.gov>
Subject: [External] FW: 35-1422 Register 50/21

Hi Richard,

Can you let us know what the correct text should be at line 815? Thanks!

-----Original Message-----
From: Bockewitz, Crystal K. <crystalb@ilga.gov>
Sent: Thursday, May 14, 2026 2:02 PM
To: Rivas, Tobias <TobiasR@ilga.gov>
Subject: 35-1422 Register 50/21

Toby, attached are the pages I showed you about 35-1422. What was filed and adopted in 2019 (35-1422-19-02994) does not match what is On File. Which should the text actually be?

JCAR - Current Appendix A (cont)

(CFU) remaining after treatment in challenge load Type A.

4) Repeat steps (b)(1) through (3) in this option for challenge loads Types B and C identified in Appendix A, Table C to determine the effectiveness of the treatment unit (LB and LC, respectively).

(Source: Amended at 50 Ill. Reg. _____, effective _____)

Agency - Reg. 50/21
Appendix A (c)(4)

2) Place the container of indicator microorganisms within a Type A challenge load as identified in Appendix A, Table C.

3) Calculate the effectiveness of the treatment unit by subtracting the log of viable cells after treatment from the log of viable cells introduced into the treatment unit as the inoculum, as follows:

$$LA = \text{Log No} - \text{Log N2A} \geq 6$$

where: LA is the log kill of the viable indicator microorganisms (CFU) after treatment in challenge load Type A.

No is the number of viable indicator microorganisms (CFU) introduced into the treatment unit as the inoculum.

N2A is the number of viable indicator microorganisms (CFU) remaining after treatment in challenge load Type A.

4) Repeat steps (c)(1) through (3) in this option for challenge loads Types B and C identified in Appendix A, Table C to determine the effectiveness of the treatment unit (LB and LC, respectively).

(Source: Amended at 50 Ill. Reg. _____, effective _____)

Section 1422.APPENDIX A Initial Efficacy Test Procedures

Section 1422.TABLE B Indicator Microorganisms

1. Bacillus subtilis (ATCC 19659)

2. Geobacillus stearothermophilus ~~Bacillus stearothermophilus~~ (ATCC 7953)

3. Bacillus pumilus (ATCC 27142)

4. Bacillus atrophaeus (ATCC 9372)

(Source: Amended at 50 Ill. Reg. _____, effective _____)

2) Place the container of test microorganisms within a Type A challenge load as identified in Appendix A, Table C.

3) Calculate the effectiveness of the treatment unit by subtracting the log of viable cells after treatment from the log of viable cells introduced into the treatment unit as the inoculum, as follows:

LA = Log No - Log N2A ≥≥ 6

where: LA is the log kill of the test microorganisms (CFU and PFU) after treatment in challenge load Type A.

No is the number of viable test microorganisms (CFU and PFU) introduced into the treatment unit as the inoculum.

N2A is the number of viable test microorganisms (CFU and PFU) remaining after treatment in challenge load Type A.

4) Repeat steps (~~b~~c)(1) through (3) in this option for challenge loads Types B and C ~~identified in~~ Appendix A, Table C to determine the effectiveness of the treatment unit (LB and LC, respectively).

~~c)~~ c) This Option 3 is for a treatment unit that uses thermal treatment and maintains the integrity of the container of indicator microorganism spores (e.g., autoclaves and incinerators).

1) Place one microbiological indicator assay containing at least 1,000,000 spores of one of the indicator microorganisms listed in Appendix A, Table B in a sealed container that remains intact during treatment. The inside diameter of the container must be no larger than required to contain the assay vials. The vial must contain only the indicator microorganism vial.

2) Place the container of indicator microorganisms within a Type A challenge load as identified in Appendix A, Table C.

3) Calculate the effectiveness of the treatment unit by subtracting the log of viable cells after treatment from the log of viable cells introduced into the treatment unit as the inoculum, as follows:

LA = Log No - Log N2A ≥≥ 6

PFU) remaining after treatment in challenge load Type A.

4) Repeat steps (b)(1) through (3) in this option for challenge loads Types B and C identified in Appendix A, Table C to determine the effectiveness of the treatment unit (LB and LC, respectively).

c) This Option 3 is for a treatment unit that uses thermal treatment and maintains the integrity of the container of indicator microorganism spores (e.g., autoclaves and incinerators).

1) Place one microbiological indicator assay containing at least 1,000,000 spores of one of the indicator microorganisms listed in Appendix A, Table B in a sealed container that remains intact during treatment. The inside diameter of the container must be no larger than required to contain the assay vials. The vial must contain only the indicator microorganism vial.

2) Place the container of indicator microorganisms within a Type A challenge load as identified in Appendix A, Table C.

3) Calculate the effectiveness of the treatment unit by subtracting the log of viable cells after treatment from the log of viable cells introduced into the treatment unit as the inoculum, as follows:

$$LA = \text{Log No} - \text{Log N2A} \geq 6$$

where: LA is the log kill of the viable indicator microorganisms (CFU) after treatment in challenge load Type A.

No is the number of viable indicator microorganisms (CFU) introduced into the treatment unit as the inoculum.

N2A is the number of viable indicator microorganisms (CFU) remaining after treatment in challenge load Type A.

4) Repeat steps (b)(1) through (3) in this option for challenge loads Types B and C identified in Appendix A, Table C to determine the effectiveness of the treatment unit (LB and LC, respectively).

(Source: Amended at 43 Ill. Reg. 10072, effective August 30, 2019)

from C∅4 Register for rulemaking 35-1422-1902994 (does not match what is on file)
Appendix A (c)(4)

*** HISTORICAL DOCUMENT VIEW ***

HISTORICAL

Enter Rulemaking Name

351422-1902994c04

Open | Search

☑ Search Archive Folder

Rulemaking Documents

Rulemaking Creation Date: 11/1/2024 11:35:28 AM

Name	Modified Date	Modified By
Authority		
Main Source		
Subpart A		
Section 101		
Section 105		
Section 106		
Section 107		
Section 111		
Section 121		
Section 122		
Section 123		
Section 124		
Section 125		
Section 126		
Section 127		
Appendix a		
Appendix a Item c		
Appendix b		

Rulemaking Preview | Close

from Code -
what is on file
Appendix A (c)(4)

No is the number of viable indicator microorganisms (CFU) introduced into the treatment unit as the inoculum.

N2A is the number of viable indicator microorganisms (CFU) remaining after treatment in challenge load Type A.

4) Repeat steps (c)(1) through (3) in this option for challenge loads Types B and C identified in Appendix A, Table C to determine the effectiveness of the treatment unit (LB and LC, respectively).

(Source: Amended at 43 Ill. Reg. 10072, effective AUG 30 2019)

EFFECTIVE DATE
AUG 30 2019
SOS-CODE DIV

4~~d~~) Repeat steps (b)(1) through (3)~~(a) through (c)~~ in this option for challenge loads Types B and C identified in Appendix A, Table C ~~of this Appendix~~ to determine the effectiveness of the treatment unit (LB and LC, respectively).

(Source: Amended at 43 Ill. Reg. _____, effective _____)

from R04 Register for rulemaking 35-1422-19-02994

(does not match what is On File.)

Appendix A (c)(4)

HISTORICAL

Volume | Issue | OR | Title: 35 | Part: 1422 | Year | Page | Archive | Search | Clear

Search Results

Title	Part	Year	Page	Version
35	1422	19	02994	c04
35	1422	19	02994	r01
35	1422	19	02994	r02
35	1422	19	02994	r03
35	1422	19	02994	r04

Open | Close