



**JOHN DEERE**

John Deere Dubuque Works  
18600 S John Deere Rd, Dubuque, IA 52001  
Phone: 563-589-5082  
E-mail: MaiDanielR@JohnDeere.com

**Dan Mai**  
Environmental Manager

April 1, 2024

Mike Sullivan  
Land Quality Bureau  
Iowa Department of Natural Resources  
Wallace Building  
502 E 9<sup>th</sup> Street  
Des Moines, IA 50319

Re: Financial Assurance  
John Deere Dubuque Works Landfill  
Permit Number 31-SDP-01-75C

Dear Mike,

Enclosed are the following documents comprising John Deere's annual financial assurance report for the above-referenced landfill per IAC 567 Chapter 115:

- Industrial Monofill Financial Assurance Report Form 542-8090;
- Rider to Surety Bond 285059968 effective January 7, 2024, signed by Principal and Surety; and
- Engineer's cost estimate certification dated December 15, 2023.

Please contact me if you require additional information or have questions.

Sincerely,

Dan Mai  
John Deere Dubuque Works

CC: Becky Jolly, IDNR Land Quality Bureau Administrative Assistant (hard copy and email)  
Melanie Gotto, EHS Due Diligence and Integration Manager, Deere & Company (email)



# Industrial Monofill Financial Assurance Report Form

## SECTION 1: FACILITY INFORMATION

(please print or type)

### Information Requested

Facility Name: John Deere Dubuque Works Industrial Landfill Permit Number: 31-SDP-01-75C

Permitted Agency/Entity: John Deere Dubuque Works

## SECTION 2: CLOSURE/POSTCLOSURE OR CORRECTIVE ACTION COST ESTIMATES

Information Requested	Cost Estimate	Date of Cost Estimate
Updated Closure Cost Estimate	\$	
Updated Postclosure Cost Estimate	\$ 849,500	12/15/2023
Initial or Updated Corrective Action Cost Estimate	\$	

\*Attach closure/postclosure cost estimate(s) signed and certified by an Iowa-licensed professional engineer. Cost estimates shall include, at a minimum, each of the cost line items defined in 115.31(3)"c" for closure and 115.31(4)"c" for postclosure. Please provide closure and/or postclosure site area acreage information with the estimates.

Provide a cost estimate for corrective action only if corrective action is required and a corrective action plan has been approved by the Department. Attach the corrective action cost estimate signed and certified by an Iowa-licensed professional engineer. The cost estimate shall account for total costs of the activities described in the approved corrective action plan for the corrective action period.

## SECTION 3: FACILITY WASTE TONNAGE INFORMATION

Information Requested	Tons
Remaining permitted capacity as of the beginning of permit holder's current fiscal year	N/A
Amount of waste disposed of at the facility during the prior year	0.0

## SECTION 4: PROOF OF COMPLIANCE

### Publicly Owned Municipal Solid Waste Landfills (ATTACH AUDIT REPORT)

Owner's Most Recent Annual Audit Report

Prepared by: Deloitte & Touche LLP

For fiscal year ending: October 29, 2023

### Privately Owned Municipal Solid Waste Landfills (ATTACH AFFIDAVIT)

Attach owner/operator's affidavit indicating that an annual review has been performed by a certified public accountant to determine whether the privately owned monofill is in compliance with IAC 567 Chapter 115. The affidavit shall state the name of the certified public accountant, the dates and conclusions of the review, and the steps taken to rectify any deficiencies identified by the accountant.

## SECTION 5: FINANCIAL ASSURANCE INSTRUMENT

Type and Value of Financial Assurance Instrument(s)

(ATTACH INSTRUMENT(S))

Assurance Instrument	Establishment Date	Mechanism Covers	Instrument Value*
Trust Fund 567 IAC 115.31(6)"a"		Closure <input type="checkbox"/> Postclosure <input type="checkbox"/> Corrective Action <input type="checkbox"/>	\$
Surety Bond 567 IAC 115.31(6)"b"	1/7/2024	Closure <input type="checkbox"/> Postclosure <input checked="" type="checkbox"/> Corrective Action <input type="checkbox"/>	\$ 849,500
Letter of Credit 567 IAC 115.31(6)"c"		Closure <input type="checkbox"/> Postclosure <input type="checkbox"/> Corrective Action <input type="checkbox"/>	\$
Insurance 567 IAC 115.31(6)"d"		Closure <input type="checkbox"/> Postclosure <input type="checkbox"/> Corrective Action <input type="checkbox"/>	\$
Corporate Financial Test 567 IAC 115.31(6)"e"		Closure <input type="checkbox"/> Postclosure <input type="checkbox"/> Corrective Action <input type="checkbox"/>	\$
Local Gov't. Financial Test 567 IAC 115.31(6)"f"		Closure <input type="checkbox"/> Postclosure <input type="checkbox"/> Corrective Action <input type="checkbox"/>	\$
Corporate Guarantee 567 IAC 115.31(6)"g"		Closure <input type="checkbox"/> Postclosure <input type="checkbox"/> Corrective Action <input type="checkbox"/>	\$
Local Gov't Guarantee 567 IAC 115.31(6)"h"		Closure <input type="checkbox"/> Postclosure <input type="checkbox"/> Corrective Action <input type="checkbox"/>	\$
Local Gov't. Dedicated Fund 567 IAC 115.31(6)"i"		Closure <input type="checkbox"/> Postclosure <input type="checkbox"/> Corrective Action <input type="checkbox"/>	\$

## SECTION 6: FUND PAYMENTS

(only if using dedicated or trust fund)

Completion of the following fund information complies with the annual financial statement requirements of IAC 567 115.31(3)"a" and 115.31(4)"a" by indicating the current balance(s) of the dedicated/trust fund and the projected amount(s) to be deposited in the fund(s).

Under "Beginning Balance", please state the fund balance 30 days after the start of the previous fiscal year, for "Ending Balance", indicate the fund balance 30 days after the close of the previous fiscal year, and for "Projected Deposit", indicate the amount to be deposited within 30 days of the close of the permit holder's fiscal year.

Information Requested	Beginning Balance	Ending Balance	Projected Deposit
Dedicated Fund Balance <i>(see formula below)</i>	\$	\$	\$
Trust Fund Balance <i>(see formula below)</i>	\$	\$	\$

**Formula for Projected Deposits**

Dedicated/Trust Fund

$$\frac{CE - CB}{Y}$$

Where "CE" is the closure or postclosure cost estimate, "CB" is the balance 30 days after close of the previous fiscal year, and "Y" is number of years remaining in the pay-in period.

If needed, the space below can be used to show calculations for projected deposits

Closure	Postclosure
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**SECTION 7: PERMIT HOLDER ENDORSEMENT**

Submittal of this completed and endorsed form along with all required documentation establishes Notification and Proof of Permit Holder Compliance with IAC 567 Chapter 115.

Name of Official: Mark A. Dickson Title: General Manager, Dubuque Works

Agency/Entity: John Deere Dubuque Works

Address: 18600 S John Deere Road

City: Dubuque State: IA Zip: 52001

Telephone: 563-589-6317 Fax: 309-749-1352

Email Address: DicksonMarkA@JohnDeere.com

Signature of Official:  Date: 25 Mar 2024

Questions? Contact Bill Blum at (515) 240-6048 or [Bill.Blum@dnr.iowa.gov](mailto:Bill.Blum@dnr.iowa.gov)

**RIDER**

To be attached to and form part of:

Bond Number 285059968

dated January 7, 2019

issued by the LIBERTY MUTUAL INSURANCE COMPANY

in the current amount of \$933,000.00

on behalf of DEERE & COMPANY  
(Principal)

and in favor of STATE OF IOWA  
(Obligee)

Now therefore, it is agreed that in consideration of the premium charged, the attached bond shall be amended as follows:

**The BOND AMOUNT shall be amended:**

**FROM: \$933,000.00 (Nine Hundred Thirty Three Thousand and 00/100 Dollars)**

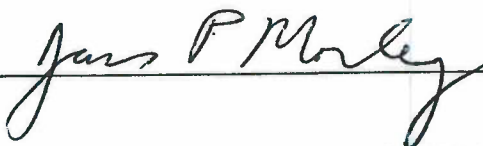
**TO: \$849,500.00 (Eight Hundred Forty Nine Thousand Five Hundred and 00/100 Dollars)**

It is further understood and agreed that all other terms and conditions of this bond shall remain unchanged.

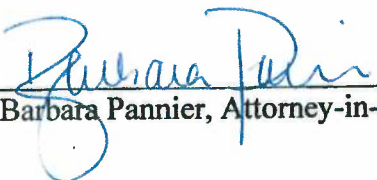
This Rider is to be Effective this 7th day of January, 2024.

Signed, Sealed & Dated this 22nd day of December, 2023.

DEERE & COMPANY  
(Principal)

By: 

LIBERTY MUTUAL INSURANCE COMPANY  
(Surety)

By:   
Barbara Pannier, Attorney-in-Fact



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8204826 - 8204826

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Barbara Pannier; Catherine L. Geimer; Christina Baratti; Eric D. Sauer; Jennifer Williams; Salena Wood; Susan R. Schwartz; Thomas U. Krippene

all of the city of Saint Louis state of MO each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 9th day of February, 2021.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: David M. Carey, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquires, please call 610-832-8240 or email HOSUR@libertymutual.com.

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 9th day of February, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 22nd day of December, 2023.



By: Renee C. Llewellyn, Assistant Secretary

December 15, 2023

Mr. James Hensley  
John Deere Dubuque Works  
18600 South John Deere Road  
P.O. Box 538  
Dubuque, IA 52001

Subject: Engineer's Certification – Landfill Post Closure Cost Estimate  
John Deere Dubuque Works Landfill – Permit Number 31-SDP-01-75C

Dear Mr. Hensley:

Iowa Administrative Code Section 567-115.31(4)c requires an Iowa Licensed Professional Engineer to annually certify the landfill post closure cost estimate. This certification applies to the John Deere Dubuque Works Landfill. The landfill is located in the SW ¼ of Section 27, T90N, R2E, Dubuque County, Iowa.

The purpose of this letter is to certify that the attached post closure cost estimate has been prepared to include the cost of hiring a third party to perform post closure activities for the landfill in compliance with the post closure plan developed pursuant to sub-rule 115.26(14) and the approved closure permit. This estimate accounts for the cost for the remainder of the post closure period.

The attached estimate includes the factors as described in 115.31(4)c(6)1 through 14. The costs submitted in December 2022, which were estimated using the Gross Domestic Product-Implicit Price Deflator value for the second quarter of 2022, were updated using the similar value for the second quarter of 2023, as prepared by the Bureau of Economic Analysis (Department of Commerce). The landfill post closure cost estimate is included as an attachment to this letter of certification.

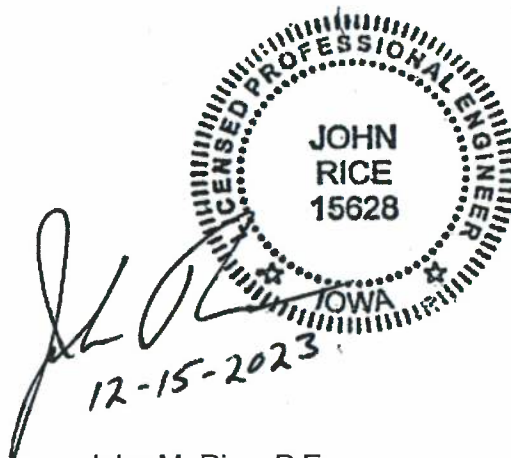
Based upon a telephone conversation between Mr. Terrence Halena of TRC Environmental Corporation (TRC) and Mr. William Bloom of the Iowa Department of Natural Resources (IDNR) on November 19, 2015, the remaining duration of post closure for the site has been modified. The closure permit was issued on May 24, 2012, which means that post closure at the site has been occurring for more than 11 years. Therefore, the total value of post closure calculated on the accompanying table has been modified to reflect 19 years of remaining post closure.

Sincerely,

TRC



Erica Lawson  
Project Manager



John M. Rice, P.E.  
Iowa License No. P15628

Attachment: Post Closure - Engineering Opinion of Probable Cost

**Postclosure – Engineering Opinion of Probable Cost  
John Deere Dubuque Works Landfill - Dubuque, Iowa  
December 2023**

Major Cost Item & Interval to be Performed	Unit	Unit Cost/ Year <sup>(1)</sup>	Quantity	Cost <sup>(1)</sup>
<b>Site Maintenance:</b>				
– Repair erosion damage (annually)	AC	\$2,312	1	\$2,312
– Fence Repair (every 5 years)	LS	\$47	1	\$47
– Control Monument Verification (every 3 years)	LS	\$232	1	\$232
– Lawn mowing (annually)	LS	\$693	1	\$693
– Access Road Maintenance (annually)	LS	\$1,736	1	\$1,736
– Snow plowing (annually)	LS	\$1,387	1	\$1,387
<b>Leachate Collection and Monitoring Well System:</b>				
– Leachate disposal/treatment/transportation <sup>(2)</sup>	GAL	\$0	0	\$0
– Leachate col line & standpipe cleaning/jetting (every 5 years)	LS	\$693	1	\$693
– Submersible leachate pump with controller replacement (every 10 years) (one event has pump replaced with tank replacement)	LS	\$173	1	\$173
– Monitoring Well Permeability Testing (every 5 years)	LS	\$463	1	\$463
– Leachate collection tank & pump replacement (every 30 years)	LS	\$3,123	1	\$3,123
Electric Service/Repairs (annually)	LS	\$2,023	1	\$2,023
<b>Environmental Monitoring Costs</b>				
– Measure & Report Leachate Head & Groundwater Elevations Monthly (Annual cost provided) <sup>(3)</sup>	LS	\$9,739	1	\$9,739
– Semi-Annual Water Quality Sampling, Lab Analysis, Data Management, Annual Report Preparation, and Site Inspections	LS	\$21,510	1	\$21,510
Engineering/Technical Services (annually)	LS	\$580	1	\$580
<b>Postclosure Yearly Subtotal =</b>				<b>\$44,711</b>
<b>19-Year Postclosure Cost <sup>(4)</sup> =</b>				<b>\$849,500</b>

Notes:

- (1) This cost estimate (originally submitted to the Iowa Department of Natural Resources (IDNR) on December 1, 2015) has been updated by modifying the previous unit costs (prepared in 2022). The Gross Domestic Product - Implicit Price Deflator value for the second quarter of 2022 (117.582) was compared with the similar value from the second quarter of 2023 (121.673). The resultant inflation factor is 1.035. The unit prices were increased by this inflation factor.
- (2) Direct discharge under the existing National Pollutant Discharge Elimination System permit is used for the treatment/disposal of leachate.
- (3) Costs for tasks performed are by a third party.
- (4) The site closure permit was issued on May 24, 2012 (i.e., date that the 30-yr postclosure care period began). Based upon a phone conversation between Mr. Terrence Halena of TRC Environmental Corporation (TRC) and Mr. William Bloom of the Iowa Department of Natural Resources on November 19, 2015, at 2:15 p.m., the total value of postclosure required can be reduced for time of postclosure remaining. Eleven years have passed since 2012; therefore, the total post-closure amount has been modified to reflect 19 years of postclosure remaining.

Prepared By: E. Lawson 12/4/2023

Checked by: S. Sellwood, 12/14/2023