

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A	This return/report is for: ☐ a multiemployer plan ☒ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☐ a single-employer plan ☐ a DFE (specify) _____
B	This return/report is: ☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶ ☐

Part II	Basic Plan Information—enter all requested information
1a	Name of plan POET BIOREFINING 401(K) PLAN
1b	Three-digit plan number (PN) ▶ 001
1c	Effective date of plan 01/01/2010
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) POET BIOREFINING LLC 4615 NORTH LEWIS AVENUE SIOUX FALLS, SD 57104
2b	Employer Identification Number (EIN) 47-4454378
2c	Plan Sponsor's telephone number 605-965-2200
2d	Business code (see instructions) 325100

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/12/2023	ANGIE ARP
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

3a Plan administrator's name and address ☒ Same as Plan Sponsor		3b Administrator's EIN 3c Administrator's telephone number 																				
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name POET BIOREFINING - CLOVERDALE c Plan Name POET BIOREFINING 401(K) PLAN		4b EIN 27-1331225 4d PN 001																				
5 Total number of participants at the beginning of the plan year		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">5</td> <td style="width: 95%; text-align: right;">2671</td> </tr> </table>	5	2671																		
5	2671																					
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits c Other retired or separated participants entitled to future benefits..... d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)..... h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="background-color: #cccccc; height: 20px;"></td> </tr> <tr> <td style="width: 5%; text-align: center;">6a(1)</td> <td style="width: 95%; text-align: right;">2022</td> </tr> <tr> <td style="text-align: center;">6a(2)</td> <td style="text-align: right;">2218</td> </tr> <tr> <td style="text-align: center;">6b</td> <td style="text-align: right;">4</td> </tr> <tr> <td style="text-align: center;">6c</td> <td style="text-align: right;">733</td> </tr> <tr> <td style="text-align: center;">6d</td> <td style="text-align: right;">2955</td> </tr> <tr> <td style="text-align: center;">6e</td> <td style="text-align: right;">1</td> </tr> <tr> <td style="text-align: center;">6f</td> <td style="text-align: right;">2956</td> </tr> <tr> <td style="text-align: center;">6g</td> <td style="text-align: right;">2899</td> </tr> <tr> <td style="text-align: center;">6h</td> <td style="text-align: right;">275</td> </tr> </table>			6a(1)	2022	6a(2)	2218	6b	4	6c	733	6d	2955	6e	1	6f	2956	6g	2899	6h	275
6a(1)	2022																					
6a(2)	2218																					
6b	4																					
6c	733																					
6d	2955																					
6e	1																					
6f	2956																					
6g	2899																					
6h	275																					
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">7</td> <td style="width: 95%;"></td> </tr> </table>	7																			
7																						
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2S 2T 3B 3D 3H																						
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:																						
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor																					
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)																						
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☒ 1 A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)																					

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A Name of plan POET BIOREFINING 401(K) PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 POET BIOREFINING LLC	D Employer Identification Number (EIN) 47-4454378

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier MINNESOTA LIFE INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
41-0417830	66168	068226	2956	01/01/2022	12/31/2022

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
--

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
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(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4	Current value of plan's interest under this contract in the general account at year end.....	4	
5	Current value of plan's interest under this contract in separate accounts at year end.....	5	170566873

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶**b** Premiums paid to carrier**6b****c** Premiums due but unpaid at the end of the year**6c****d** If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount.....**6d**

Specify nature of costs ▶

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity(3) ☐ other (specify) ▶**f** If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ☐**7 Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)****a** Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee
(3) ☐ guaranteed investment (4) ☐ other ▶**b** Balance at the end of the previous year**7b****c** Additions: (1) Contributions deposited during the year**7c(1)**

(2) Dividends and credits.....

7c(2)

(3) Interest credited during the year.....

7c(3)

(4) Transferred from separate account.....

7c(4)

(5) Other (specify below)

7c(5)

▶

(6) Total additions.....

7c(6)**d** Total of balance and additions (add lines **7b** and **7c(6)**)**7d****e** Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year

7e(1)

(2) Administration charge made by carrier.....

7e(2)

(3) Transferred to separate account.....

7e(3)

(4) Other (specify below)

7e(4)

▶

(5) Total deductions.....

7e(5)**f** Balance at the end of the current year (subtract line **7e(5)** from line **7d**)**7f**

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid	9a(2)		
(3) Increase (decrease) in unearned premium reserve.....	9a(3)		
(4) Earned ((1) + (2) - (3)).....		9a(4)	
b Benefit charges (1) Claims paid.....	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2)).....		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs.....	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies	9c(1)(F)		
(G) Other retention charges.....	9c(1)(G)		
(H) Total retention.....		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.)		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement.....		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).).....		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount.	10b	

Specify nature of costs.

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A? ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan POET BIOREFINING 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 POET BIOREFINING LLC	D Employer Identification Number (EIN) 47-4454378	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions).. ☐ Yes ☒ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation
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(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

MINNESOTA LIFE INSURANCE COMPANY

41-0417830

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 15 28 34 37 38 50 52 64 65	NONE	90393	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

ELGETHUN CAPITAL MANAGEMENT

46-2136660

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
17 27 51	NONE	44387	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
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(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan POET BIOREFINING 401(K) PLAN	B Three-digit plan number (PN) ►	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 POET BIOREFINING LLC		
D Employer Identification Number (EIN) 47-4454378		

Part I **Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs)**
 (Complete as many entries as needed to report all interests in DFEs)

a Name of MTIA, CCT, PSA, or 103-12 IE: SECURIAN AM S&P 500 INDEX		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-011	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: T. ROWE PRICE LARGE CAP VALUE		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-030	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: DODGE & COX INTL STOCK FUND		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-102	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: DFA US LARGE CAP VALUE PORT		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-105	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: LOOMIS SAYLES BOND INST'L CL		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-123	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: DFA U.S. TARGETED VALUE PORT		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-127	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: LOOMIS SAYLES INVSTM GR BD ADM		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-138	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: DODGE & COX INCOME FUND		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-156	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: DISCIPLINED GRO SMALL CAP GRO		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-170	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD MID CAP INDEX ADMIRAL		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-174	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: AMER FUNDS NEW PERSP FUND, R6		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-183	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: INVESCO INTL GROWTH, R5		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-199	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: HOTCHKIS & WILEY HIGH YIELD I		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-232	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: MFS GROWTH R3		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-361	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: VANGUARD TERM BOND INDEX ADM		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-789	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0
a Name of MTIA, CCT, PSA, or 103-12 IE: MASTER SEPARATE ACCOUNT		
b Name of sponsor of entity listed in (a): MINNESOTA LIFE INSURANCE COMPANY		
c EIN-PN 41-0417830-900	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 170566873
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

Part II **Information on Participating Plans (to be completed by DFEs)**

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>POET BIOREFINING 401(K) PLAN</u>	B Three-digit plan number (PN) ►	<u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>POET BIOREFINING LLC</u>	D Employer Identification Number (EIN) <u>47-4454378</u>	

Part I	Asset and Liability Statement		
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
	Assets	(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)		
(2) Participant contributions.....	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants).....	1c(7)		
(8) Participant loans.....	1c(8)	442014	1260062
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)	142779013	170566873
(11) Value of interest in master trust investment accounts.....	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	143221027	171826935

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	143221027	171826935
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	4311919	
(B) Participants	2a(1)(B)	12323131	
(C) Others (including rollovers)	2a(1)(C)	1533948	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		18168998
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)	34682	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		34682
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		0
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		-26867169
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		942
d Total income. Add all income amounts in column (b) and enter total	2d		-8662547
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	10092920	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		10092920
f Corrective distributions (see instructions)	2f		4118
g Certain deemed distributions of participant loans (see instructions)	2g		10803
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)	90393	
(3) Investment advisory and management fees	2i(3)	44387	
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		134780
j Total expenses. Add all expense amounts in column (b) and enter total	2j		10242621
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-18905168
l Transfers of assets:			
(1) To this plan	2l(1)		47511076
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: RSM US LLP

(2) EIN: 42-0714325

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a		X	

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan POET BIOREFINING 401(K) PLAN		B Three-digit plan number (PN) 001
C Plan sponsor's name as shown on line 2a of Form 5500 POET BIOREFINING LLC		D Employer Identification Number (EIN) 47-4454378
Part I Distributions		
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 41-0417830		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year.....		3
Part II Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)		
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☒ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III Amendments		
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.		
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?..... ☐ Yes ☐ No		
11 a Does the ESOP hold any preferred stock?..... ☐ Yes ☐ No		
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)..... ☐ Yes ☐ No		
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?..... ☐ Yes ☐ No		
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
	a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14a	
	b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14b	
	c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
	a The corresponding number for the plan year immediately preceding the current plan year.....	15a	
	b The corresponding number for the second preceding plan year.....	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b	
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐		

Part VI	Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans
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18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c) a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____% b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____
20	PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20. a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box: ☐ Yes. ☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date. ☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date. ☐ No. Other. Provide explanation _____

POET Biorefining 401(k) Plan

Financial Report
December 31, 2022

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Independent Auditor's Report

Board of Directors,
401(k) Investment Advisory Committee,
Plan Administrator and Participants
POET Biorefining 401(k) Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit

We have performed audits of the financial statements of the POET Biorefining 401(k) Plan (the Plan), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statements of net assets available for benefits as of December 31, 2022 and 2021, the related statement of changes in net assets available for benefits for the year ended December 31, 2022, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from a qualified institution as of December 31, 2022 and 2021 and for the year ended December 31, 2022, stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the Financial Statements section:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP).
- The information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Emphasis of Matter—Plan Merger

The Ethanol Products, LLC 401(k) Plan was merged into the Plan effective December 27, 2022. As discussed in Note 7 to the financial statements, an amendment to the Plan document was adopted by the Ethanol Products, LLC 401(k) Plan and the Plan on December 6, 2022, to merge the Ethanol Products, LLC 401(k) Plan into the Plan effective December 27, 2022. All assets of the Ethanol Products, LLC 401(k) Plan were physically transferred on December 27, 2022 and December 29, 2022; however, the Plan assumed legal control and responsibility of the transferred plan assets on December 27, 2022, the effective date of the merger. Our opinion has not been modified with respect to this matter.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with U.S. GAAP, and for the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern within one year after the date that the financial statements are issued or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments, administering the Plan, and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or which may become due to such participants.

Auditor's Responsibilities for the Audit of the Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations or the override of internal control. Misstatements are considered material if, there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.

Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.

- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of U.S. GAAP.

Accordingly, the objective of an ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with U.S. GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Matter—Supplemental Schedule Required by ERISA

The supplemental schedule of Schedule H, line 4i—schedule of assets (held at end of year) as of December 31, 2022, is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedule, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedule that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including its form and content, is presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

The information in the supplemental schedule related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

RSM VS LLP

Sioux Falls, South Dakota
October 11, 2023

POET Biorefining 401(k) Plan

**Statements of Net Assets Available for Benefits
December 31, 2022 and 2021**

	2022	2021
Investments:		
Pooled separate accounts, at fair value	\$ 170,566,873	\$ 142,779,013
Notes receivable from participants	1,260,062	442,014
Net assets available for benefits	\$ 171,826,935	\$ 143,221,027

See notes to financial statements.

POET Biorefining 401(k) Plan

Statement of Changes in Net Assets Available for Benefits Year Ended December 31, 2022

Interest income on notes receivable from participants	\$ 34,682
Other income	942
	<u>35,624</u>
Contributions:	
Employer	4,311,919
Participants	12,323,131
Rollovers	1,533,948
Total contributions	<u>18,168,998</u>
Investment results:	
Net depreciation in fair value of investments	(26,867,169)
Benefits paid to participants	(10,107,841)
Administrative expenses	(134,780)
Total deductions	<u>(37,109,790)</u>
Net decrease in net assets available for benefits	(18,905,168)
Transfer in from Ethanol Products, LLC 401(k) Plan	47,511,076
Net assets available for benefits:	
Beginning of year	<u>143,221,027</u>
End of year	<u>\$ 171,826,935</u>

See notes to financial statements.

POET Biorefining 401(k) Plan

Notes to Financial Statements

Note 1. Description of the Plan

The following is a brief description of the POET Biorefining 401(k) Plan (the Plan) and is provided for general information purposes only. Participants should refer to the Plan document for a more complete description of the Plan's provisions.

General: The Plan is a defined contribution plan sponsored by POET Biorefining Cloverdale, LLC, d/b/a POET Biorefining—Cloverdale (adopting employer) and the following participating employers: POET Biorefining, LLC and all of its subsidiaries, POET DSM Advanced Biofuels, LLC and its subsidiary POET-DSM Project Liberty, LLC, POET, LLC, POET Plant Management, LLC, POET Design & Construction, Inc., POET Research, Inc., POET Nutrition, Inc., POET Nutrition Marketing, LLC, POET Research Center, Inc., POET Biomass, LLC and POET Leasing, LLC (collectively referred to as the participating employers). All aforementioned participating employers will collectively be referred to as the Company or Employer. The purpose of the Plan is to provide retirement benefits for employees of the Company and their beneficiaries. The Ethanol Products, LLC 401(k) Plan was merged into the Plan effective December 27, 2022.

The Plan is available to all employees who are employed by the Company and have completed one hour of service within one month of employment and have attained the age of 18. Employees are able to enter the Plan on the first day of the month coinciding with or following the date the eligibility requirements are satisfied. Employees are automatically enrolled in the Plan at a 6% deferral rate once the eligibility requirements are met, unless the employee elects a different deferral percentage or opts out of the Plan. Employees contributing to the Plan are eligible for employer matching contributions upon completion of one month of employment and participating employer profit sharing contributions upon completion of one year of employment. Participants must be employed on the last day of the Plan year to receive the profit sharing contribution.

The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA). The Company's Board of Directors is responsible for oversight of the Plan. The Plan's 401(k) Investment Advisory Committee determines the appropriateness of the Plan's investment offerings, monitors investment performance and reports to the Board of Directors.

Plan amendments: The Plan was restated on April 1, 2022, to bring the Plan into compliance with the Cycle 3 restatement. Effective September 1, 2022, the Plan was amended for change to recognition of service with other employers. Additionally, as of December 27, 2022, the Plan was amended to merge the Ethanol Products, LLC 401(k) Plan into the Plan.

Contributions: Participants are permitted to contribute up to 100% of their pretax or after-tax annual compensation, as defined in the Plan document, up to the maximum allowed by the Internal Revenue Code (IRC). Participants are also permitted to make rollover contributions from other qualified plans. Additional employer matching and profit sharing amounts may be contributed at the option of the Board of Directors. Participants received an employer matching contribution equal to 50% of the first 6% of employee compensation contributed for the year ended December 31, 2022. There were no profit sharing contributions for the year ended December 31, 2022.

Participant accounts: Each participant's account is credited with the participant's contributions and discretionary employer matching and profit sharing contributions, if any, and Plan earnings. Participant accounts are charged with an allocation of administrative expenses paid by the Plan (if not paid with forfeitures). Allocations are based on participant earnings, account balances or specific transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

POET Biorefining 401(k) Plan

Notes to Financial Statements

Note 1. Description of the Plan (Continued)

Investment options: Upon enrollment in the Plan, a participant may direct contributions in a variety of investment options. All funds vary in types of investments, rates of return, and investment risk and are described in more detail in the Plan's literature. Participants may elect on a daily basis to have all or part of their account balances and future contributions transferred from one fund to another or in any combination.

Vesting: Participants are vested immediately in their contributions plus actual earnings thereon. Vesting in the Company's contribution portion of their accounts is based on a graded scale over six years of continuous service at any recognized POET-managed facility. A participant becomes 100% vested upon death or permanent disability. Participants who had a more liberal vesting schedule prior to being merged into the Plan continue to use their prior vesting schedules.

Notes receivable from participants: Participants can borrow from their accounts a minimum of \$1,000 up to a maximum equal to the lesser of \$50,000 reduced by the highest outstanding note balance during the prior 12-month period or 50% of their account balance. Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. The notes are secured by the balance in the participant's account and bear interest at prevailing interest rates charged by persons in the business of lending money for notes which would be made under similar circumstances. The interest rates on outstanding notes at December 31, 2022, range from 4.25% to 7.25%. The outstanding notes mature through 2052. Principal and interest are paid through payroll deductions. The repayment period is no more than five years unless such note is for the purchase of the participant's primary residence, in which case the repayment period is 30 years. Participants are able to have up to two loans outstanding at a time as long as one loan is for participant's primary residence. No allowance for credit losses has been recorded as of December 31, 2022. If a participant ceases to make loan payments and the Plan Administrator deems the participant loan to be in default, the participant loan balance is reduced and a benefit payment is recorded.

Notes receivable from participants have been classified as an investment for Form 5500 reporting purposes and, accordingly, have been included as an investment in the supplemental schedule, Schedule H, line 4i—schedule of assets (held at end of year).

Benefit payments: Upon death, permanent disability, retirement or other termination of employment, participants, or their beneficiaries, are entitled to receive the vested balance of their account. Vested benefits are distributed in the form of a lump-sum amount, installment payments, an annuity contract or any combination of these options. The Plan includes an early retirement option for participants age 55 or older with at least five years of service. The Plan allows in-service distributions without a minimum service period after the age of 59½. The Plan also allows hardship distributions subject to certain restrictions. Distribution of benefits upon termination is automatic if the participant's account balance is less than \$5,000. Participants with an account balance less than \$5,000 will have their account balance rolled over into an individual retirement account (IRA) unless they elect to receive a lump-sum payment.

Forfeitures: Forfeited nonvested accounts are used to restore previously forfeited balances, pay Plan administrative expenses or fund employer contributions. Approximately \$99,000 and \$229,000 of forfeitures were used during 2022 to pay Plan administrative expenses and fund employer matching contributions, respectively. The available amount of forfeited nonvested accounts to be applied toward future employer contributions or pay Plan administrative expenses was approximately \$238,000 and \$140,000 as of December 31, 2022 and 2021, respectively.

Plan termination: Although it has not expressed any intent to do so, the Company has the right, under the Plan, to discontinue its contributions at any time and to terminate the Plan, subject to the provisions of ERISA. In the event of termination, all participant accounts become fully vested.

POET Biorefining 401(k) Plan

Notes to Financial Statements

Note 2. Summary of Significant Accounting Policies

Basis of presentation: The accompanying financial statements have been prepared on the accrual basis of accounting.

Use of estimates: The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America (U.S. GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Investment valuation and income recognition: Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The 401(k) Investment Advisory Committee determines the Plan's valuation policies, utilizing information provided by the Plan's investment advisors and custodian. See Note 4 for a discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net appreciation (depreciation) includes the Plan's gains and losses on investments bought and sold, as well as held, during the year.

Payment of benefits: Benefits are recorded when paid.

Administrative expenses: Certain expenses of maintaining the Plan are paid directly by the Company and are excluded from these financial statements. Investment-related expenses are included in net depreciation.

Risks and uncertainties: The Plan provides for investment in a variety of investment securities. In general, investment securities are exposed to various risks, such as interest rate, credit and overall market volatility risk. Due to the level of risk associated with certain investments, it is reasonably possible that changes in the values of the investments have occurred since December 31, 2022, or will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the 2022 statement of net assets available for benefits.

Subsequent events: Effective January 1, 2023, the Plan implemented an automatic deferral escalation for participants. Effective April 1, 2023, the section of the Adoption Agreement entitled "Plan Name" was amended from POET Biorefining 401(k) Plan to POET 401(k) Plan.

The Plan Administrator has evaluated subsequent events through October 11, 2023, the date the financial statements were available to be issued.

POET Biorefining 401(k) Plan

Notes to Financial Statements

Note 3. Information Certified or Provided by Minnesota Life Insurance Company

The following is a summary of the Plan's investment information as of December 31, 2022 and 2021, and for the year ended December 31, 2022, included throughout the Plan's financial statements and ERISA-required supplemental schedule, obtained by management and agreed to or derived from information certified by Minnesota Life Insurance Company, the custodian of the Plan, and furnished to the Plan Administrator. The Plan Administrator has obtained certifications from the custodian that the information provided to the Plan Administrator by the custodian related to the following assets is complete and accurate. Accordingly, as permitted by 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA, the Plan Administrator instructed the Plan's independent auditors not to perform any auditing procedures with respect to information that appears throughout the financial statements and ERISA-required supplemental schedule related to the following assets as of December 31, 2022 and 2021:

	2022	2021
Investments at fair value:		
Pooled separate accounts	\$ 170,566,873	\$ 142,779,013
Notes receivable from participants	1,260,062	442,014
	<u>\$ 171,826,935</u>	<u>\$ 143,221,027</u>

Minnesota Life Insurance Company also certified to the completeness and accuracy of \$26,867,169 of net depreciation in fair value of investments, \$34,682 of interest income on notes receivable from participants, and \$942 in other income for the year ended December 31, 2022.

Note 4. Fair Value Measurements

Accounting standards establish the framework for measuring fair value. The following is a description of the valuation methodology used for assets measured at fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described below:

Level 1: Inputs to the valuation methodology are unadjusted, quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access at the measurement date.

Level 2: Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets
- Quoted prices for identical or similar assets or liabilities in inactive markets
- Inputs other than quoted prices that are observable for the asset or liability
- Inputs that are derived principally from, or corroborated by, observable market data by correlation or other means

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3: Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

POET Biorefining 401(k) Plan

Notes to Financial Statements

Note 4. Fair Value Measurements (Continued)

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2022 and 2021.

Pooled separate accounts: Pooled separate accounts are primarily valued at net asset value (NAV) per share used as a practical expedient, based on quoted market prices for the underlying securities or similar instruments.

In accordance with Accounting Standards Codification Subtopic 820-10, the pooled separate accounts held by the Plan are not classified in the fair value hierarchy table that prioritizes the inputs to valuation techniques used to measure fair value because they are measured at NAV per share as a practical expedient.

The method described above may produce fair values that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan Administrator believes its valuation methodology is appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

Investments measured using NAV per share practical expedient: The following table summarizes investments for which fair value is determined using NAV per share as a practical expedient as of December 31, 2022 and 2021:

	Fair Value as of December 31		Unfunded Commitments	Redemption Frequency	Redemption Notice Period
	2022	2021			
Pooled separate accounts	\$ 170,566,873	\$ 142,779,013	None	Immediate	None

Note 5. Related-Party Transactions and Party-in-Interest Transactions

Certain Plan investments as of December 31, 2022 and 2021, are pooled separate accounts managed by Minnesota Life Insurance Company, the custodian as defined by the Plan; therefore, these transactions qualify as party-in-interest transactions.

Note 6. Tax Status

The Plan has adopted a Cycle 3 defined contribution pre-approved plan sponsored by Minnesota Life Insurance Company. The pre-approved plan provider has received an opinion letter dated June 30, 2020, in which the Internal Revenue Service (IRS) stated that the form of the pre-approved plan, as then designed, was in compliance with the applicable requirements of the IRC. Although the pre-approved plan was adopted subsequent to the date of the IRS opinion letter, and the Plan has been amended since adopting the pre-approved plan, the Plan Administrator believes that the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC.

U.S. GAAP requires Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

POET Biorefining 401(k) Plan

Notes to Financial Statements

Note 7. Transfer in From Ethanol Products, LLC 401(k) Plan

An amendment to the Plan document was adopted on December 6, 2022, to merge the Ethanol Products, LLC 401(k) Plan into the Plan effective December 27, 2022. All assets of the Ethanol Products, LLC 401(k) Plan were physically transferred on December 27, 2022 and December 29, 2022; however, the Plan assumed legal control and responsibility of the transferred plan assets as of December 27, 2022, the effective date of merger. Accordingly, the Plan recognized a transfer in from the Ethanol Products, LLC 401(k) Plan of \$47,511,076 in its statement of changes in net assets available for benefits for the year ended December 31, 2022.

POET Biorefining 401(k) Plan**Schedule H, Line 4i—Schedule of Assets (Held at End of Year)
December 31, 2022**

Description	Current Value
Minnesota Life Insurance Company pooled separate accounts*:	
T. Rowe Price Large Cap Value Fund	\$ 29,871,743
T. Rowe Price Large Cap Growth Fund	27,232,312
Dodge & Cox International Stock Fund	17,983,949
ClearBridge Intl Gr A Fund	16,317,940
Dodge & Cox Income Fund	13,074,042
DFA US Targeted Value Portfolio Fund	12,778,817
Disciplined Growth Small Cap Fund	12,232,781
Vanguard Sterm Bond Index Admiral Fund	8,160,724
Loomis Sayles Investment Grade Bond Admiral Fund	6,858,299
Securian AM S&P 500 Index Fund	6,281,204
Fidelity Emerging Markets Idx Fund	5,215,776
Vanguard Mid Cap Index Admiral Fund	3,201,271
DFA US Large Cap Value Portfolio Fund	2,920,353
MFS Growth Fund	2,676,546
American Funds New Perspective R6 Fund	2,180,826
Loomis Sayles Bond Institutional Class Fund	1,430,323
Hotchkis & Wiley High Yield I Fund	1,180,249
Fidelity Global ex US Index Fund	969,718
	<u>170,566,873</u>
Notes receivable from participants, due in February 2052, with interest rates at 4.25% to 7.25%*	<u>1,260,062</u>
	<u><u>\$ 171,826,935</u></u>

*A party-in-interest as defined by ERISA

The above information has been certified by Minnesota Life Insurance Company, the custodian of the Plan, as complete and accurate.

Multiple-Employer Plan Participating Employer Information

POET Biorefining 401(k) Plan	EIN	PN
POET Biorefining LLC	47-4454378	001

Name of participating employer	EIN	Percent of Total Contributions	Aggregate Account balance
POET Biorefining LLC	47-4454378	100.00%	171,706,344
POET - DSM Advanced Biofuels, LLC	45-4649316	0.00%	120,591
Total		100.00%	171,826,935

September 29, 2023

Internal Revenue Service
Ogden, UT 84201-0073

PLAN SPONSOR: POET Biorefining LLC
EIN: 47-4454378
PLAN NUMBER: 001

RE: Explanation of Reasonable Cause for Late Filing

Dear Sir or Madam:

The above referenced plan sponsor, POET Biorefining LLC, has contracted with Securian Retirement to administer their 401(k) plan. Securian prepared and filed their 2022 Form 5558 on their behalf by the July 31, 2023 deadline.

We recently discovered their Form 5558 was filed under their previous year's plan sponsor name and EIN in error. A copy of the Form 5558 is attached to this explanation. As reported on lines 4a-d on their 2022 Form 5500, the 2021 data is as follows:

Plan Sponsor: POET Biorefining – Cloverdale
Plan Name: POET Biorefining 401(k) Plan
EIN: 27-1331225
PN: 001

As stated above, Securian filed POET Biorefining's 2022 Form 5558 timely, albeit under their previous year's plan sponsor name and EIN.

Securian respectfully requests any penalties be abated. Any assessment of penalties would not be in the best interest of the plan or the plan participants.

Under penalties of perjury, I declare that I have examined the return identified in this letter and to the best of my knowledge and belief, it is true, correct and complete. I understand that this declaration will become a permanent part of that return. If you would like to discuss this matter further, please feel free to contact me at 1-800-627-0304 extension 56613 between the hours of 8:30 a.m. and 4:30 p.m. CST.

Sincerely,

Paula Hoover

Paula Hoover
Securian Retirement
Minnesota Life Insurance Company

**Application for Extension of Time
To File Certain Employee Plan Returns**

► For Privacy Act and Paperwork Reduction Act Notice, see instructions.
► Go to www.irs.gov/Form5558 for the latest information.

OMB No. 1545-0212

File With IRS Only**Part I Identification**

A Name of filer, plan administrator, or plan sponsor (see instructions) POET Biorefining - Cloverdale Number, street, and room or suite no. (If a P.O. box, see instructions) 4615 North Lewis Avenue City or town, state, and ZIP code Sioux Falls SD 57104	B Filer's identifying number (see instructions) Employer identification number (EIN) (9 digits XX-XXXXXXX) 27-1331225 Social security number (SSN) (9 digits XXX-XX-XXXX)													
C <table border="1"><thead><tr><th rowspan="2">Plan name</th><th rowspan="2">Plan number</th><th colspan="3">Plan year ending—</th></tr><tr><th>MM</th><th>DD</th><th>YYYY</th></tr></thead><tbody><tr><td>POET Biorefining 401(k) Plan</td><td>0 0 1</td><td>12</td><td>31</td><td>2022</td></tr></tbody></table>	Plan name	Plan number	Plan year ending—			MM	DD	YYYY	POET Biorefining 401(k) Plan	0 0 1	12	31	2022	
Plan name			Plan number	Plan year ending—										
	MM	DD		YYYY										
POET Biorefining 401(k) Plan	0 0 1	12	31	2022										

Part II Extension of Time To File Form 5500 Series, and/or Form 8955-SSA

- 1 ☐ Check this box if you are requesting an extension of time on line 2 to file the first Form 5500 series return/report for the plan listed in Part I, C above.
- 2 I request an extension of time until 10 / 15 / 23 to file Form 5500 series. See instructions.
Note: A signature IS NOT required if you are requesting an extension to file Form 5500 series.
- 3 I request an extension of time until 10 / 15 / 23 to file Form 8955-SSA. See instructions.
Note: A signature IS NOT required if you are requesting an extension to file Form 8955-SSA.

The application is **automatically approved** to the date shown on line 2 and/or line 3 (above) if **(a)** the Form 5558 is filed on or before the normal due date of Form 5500 series, and/or Form 8955-SSA for which this extension is requested; and **(b)** the date on line 2 and/or line 3 (above) is not later than the 15th day of the 3rd month after the normal due date.

Part III Extension of Time To File Form 5330 (see instructions)

- 4 I request an extension of time until / / to file Form 5330.
You may be approved for up to a 6-month extension to file Form 5330, after the normal due date of Form 5330.
- a Enter the Code section(s) imposing the tax ►

a	
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- b Enter the payment amount attached ►

b	
c	
- c For excise taxes under section 4980 or 4980F of the Code, enter the reversion/amendment date ►

c	
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- 5 **State in detail why you need the extension:**

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Under penalties of perjury, I declare that to the best of my knowledge and belief, the statements made on this form are true, correct, and complete, and that I am authorized to prepare this application.

Signature ►

Date ►

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110
		2022
		This Form is Open to Public Inspection

For calendar plan year 2022 or fiscal plan year beginning		and ending	
A Name of plan	B Three-digit plan number (PN) ►		
C Plan sponsor's name as shown on line 2a of Form 5500		D Employer Identification Number (EIN)	

Part I	Asset and Liability Statement
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1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions.....	1b(2)		
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other.....	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants).....	1c(7)		
(8) Participant loans	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts.....	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other.....	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities.....	1d(1)		
(2) Employer real property.....	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f		

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness.....	1i		
j Other liabilities.....	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k		

Net Assets

l Net assets (subtract line 1k from line 1f)	1l		
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)		
(B) Participants	2a(1)(B)		
(C) Others (including rollovers).....	2a(1)(C)		
(2) Noncash contributions.....	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans.....	2b(1)(E)		
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		
(2) Dividends: (A) Preferred stock.....	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total.....	2d		

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)		
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other.....	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)		
(4) Other.....	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d.....	2k		
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☐ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☐ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name:

(2) EIN:

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a			

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b			
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c			
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d			
e Was this plan covered by a fidelity bond?			
4e			
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?			
4f			
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g			
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h			
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)			
4i			
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j			
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k			
l Has the plan failed to provide any benefit when due under the plan?			
4l			
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			
5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☐ No If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.			
5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)			
5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)	
5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.			

Attachment to 2022 Form 5500
Schedule H, line 4i - Schedule of Assets (Held at End of Year)

Plan Name POET Biorefining 401(k) Plan

EIN: 47-4454378

Plan Sponsor's Name POET Biorefining LLC

PN: 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value.	(d) Cost	(e) Current value
*	MN Life Insurance Co.	ClearBridge Intl Gr A Pooled Separate Account		16,317,940
*	MN Life Insurance Co.	Securian AM S&P 500 Index Pooled Separate Account		6,281,204
*	MN Life Insurance Co.	DFA U.S. Targeted Value Port Pooled Separate Account		12,778,817
*	MN Life Insurance Co.	Dodge & Cox Income Investor Pooled Separate Account		13,074,042
*	MN Life Insurance Co.	Amer Funds New Persp Fund, R6 Pooled Separate Account		2,180,826
*	MN Life Insurance Co.	Dodge & Cox Intl Stock Inv Pooled Separate Account		17,983,949
*	MN Life Insurance Co.	Loomis Sayles Invstm Gr Bd Adm Pooled Separate Account		6,858,299

Attachment to 2022 Form 5500
Schedule H, line 4i - Schedule of Assets (Held at End of Year)

Plan Name POET Biorefining 401(k) Plan

EIN: 47-4454378

Plan Sponsor's Name POET Biorefining LLC

PN: 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value.	(d) Cost	(e) Current value
*	MN Life Insurance Co.	T. Rowe Price Large Cap Value Pooled Separate Account		29,871,743
*	MN Life Insurance Co.	Disciplined Gro Small Cap Gro Pooled Separate Account		12,232,781
*	MN Life Insurance Co.	DFA US Large Cap Value Port Pooled Separate Account		2,920,353
*	MN Life Insurance Co.	Hotchkis & Wiley High Yield I Pooled Separate Account		1,180,249
*	MN Life Insurance Co.	Vanguard STerm Bond Index Adm Pooled Separate Account		8,160,724
*	MN Life Insurance Co.	Loomis Sayles Bond Inst'l Cl Pooled Separate Account		1,430,323
*	MN Life Insurance Co.	Vanguard Mid Cap Index Admiral Pooled Separate Account		3,201,271

Attachment to 2022 Form 5500
Schedule H, line 4i - Schedule of Assets (Held at End of Year)

Plan Name POET Biorefining 401(k) Plan

EIN: 47-4454378

Plan Sponsor's Name POET Biorefining LLC

PN: 001

(a)	(b) Identity of issue, borrower, lessor, or similar party	(c) Description of investment including maturity date, rate of interest, collateral, par, or maturity value.	(d) Cost	(e) Current value
*	MN Life Insurance Co.	T. Rowe Price Large Cap Growth Pooled Separate Account		27,232,312
*	MN Life Insurance Co.	MFS Growth R3 Pooled Separate Account		2,676,546
*	MN Life Insurance Co.	Fidelity Emerging Markets Idx Pooled Separate Account		5,215,776
*	MN Life Insurance Co.	Fidelity Global ex US Index Pooled Separate Account		969,718
*	Participant Loans	4.25% - 7.25%		1,260,062