

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 6047(e), 6057(b), and 6058(a) of the Internal Revenue Code (the Code). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 2012 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2012 or fiscal plan year beginning <u>01/01/2012</u> and ending <u>12/31/2012</u>	
A This return/report is for:	☐ a multiemployer plan; ☐ a multiple-employer plan; or ☒ 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)

Part II	Basic Plan Information —enter all requested information				
1a Name of plan <u>KOCH NITROGEN HOURLY EMPLOYEES' PENSION PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; text-align: center;"><u>002</u></td> </tr> <tr> <td colspan="2">1c Effective date of plan <u>03/01/1992</u></td> </tr> </table>	1b Three-digit plan number (PN) ▶	<u>002</u>	1c Effective date of plan <u>03/01/1992</u>	
1b Three-digit plan number (PN) ▶	<u>002</u>				
1c Effective date of plan <u>03/01/1992</u>					
2a Plan sponsor's name and address; include room or suite number (employer, if for a single-employer plan) <u>KOCH NITROGEN COMPANY LLC</u> <u>C/O KOCH BUSINESS SOLUTIONS, LP</u> <u>4111 E. 37TH STREET N, GA029-05</u> <u>WICHITA, KS 67220</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>2b Employer Identification Number (EIN) <u>80-0313656</u></td> </tr> <tr> <td>2c Sponsor's telephone number <u>404-652-2109</u></td> </tr> <tr> <td>2d Business code (see instructions) <u>325900</u></td> </tr> </table>	2b Employer Identification Number (EIN) <u>80-0313656</u>	2c Sponsor's telephone number <u>404-652-2109</u>	2d Business code (see instructions) <u>325900</u>	
2b Employer Identification Number (EIN) <u>80-0313656</u>					
2c Sponsor's telephone number <u>404-652-2109</u>					
2d Business code (see instructions) <u>325900</u>					

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. Signature of plan administrator	10/10/2013 Date	BRYN WILEY, ADMIN. COMMITTEE Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature. Signature of employer/plan sponsor	10/08/2013 Date	JUSTIN HOPPAS, CFO Enter name of individual signing as employer or plan sponsor
SIGN HERE	Signature of DFE	Date	Enter name of individual signing as DFE
Preparer's name (including firm name, if applicable) and address; include room or suite number. (optional)			Preparer's telephone number (optional)

3a Plan administrator's name and address ☐ Same as Plan Sponsor Name ☐ Same as Plan Sponsor Address KOCH BENEFITS ADMINISTRATIVE COMMITTEE C/O KOCH BUSINESS SOLUTIONS, LP 4111 E. 37TH STREET GA029-05 WICHITA, KS 67220		3b Administrator's EIN 20-3661223
		3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report: a Sponsor's name		4b EIN 4c PN
5 Total number of participants at the beginning of the plan year		5 37
6 Number of participants as of the end of the plan year (welfare plans complete only lines 6a , 6b , 6c , and 6d).		
a Active participants.....	6a	9
b Retired or separated participants receiving benefits.....	6b	17
c Other retired or separated participants entitled to future benefits.....	6c	8
d Subtotal. Add lines 6a , 6b , and 6c	6d	34
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.....	6e	3
f Total. Add lines 6d and 6e	6f	37
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....	6g	
h Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested.....	6h	0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1B 1G 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) ☐ A (Insurance Information) (4) ☐ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2012 This Form is Open to Public Inspection
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For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan <u>KOCH NITROGEN HOURLY EMPLOYEES' PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>KOCH NITROGEN COMPANY LLC</u>	D Employer Identification Number (EIN) <u>80-0313656</u>
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2012</u>	
2 Assets:	
a Market value	2a <u>1203691</u>
b Actuarial value	2b <u>1222462</u>
3 Funding target/participant count breakdown:	
a For retired participants and beneficiaries receiving payment.....	3a <u>18</u> <u>311594</u>
b For terminated vested participants.....	3b <u>9</u> <u>157239</u>
c For active participants:	
(1) Non-vested benefits.....	3c(1) <u>0</u>
(2) Vested benefits.....	3c(2) <u>1003314</u>
(3) Total active	3c(3) <u>10</u> <u>1003314</u>
d Total	3d <u>37</u> <u>1472147</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)	☐
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 <u>4.97 %</u>
6 Target normal cost.....	6 <u>66078</u>

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE		<u>10/07/2013</u>
	Signature of actuary	Date
<u>MICHAEL R. MACE</u>	Type or print name of actuary	<u>11-06591</u>
		Most recent enrollment number
<u>TOWERS WATSON PENNSYLVANIA INC.</u>	Firm name	<u>314-719-5900</u>
		Telephone number (including area code)
<u>101 SOUTH HANLEY ROAD</u> <u>ST. LOUIS, MO 63105-3411</u>	Address of the firm	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice and OMB Control Numbers, see the instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2012
v. 120126

Part II Beginning of Year Carryover Prefunding Balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9	Amount remaining (line 7 minus line 8)	0	0
10	Interest on line 9 using prior year's actual return of <u>1.55</u> %		
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		1393
b	Interest on (a) using prior year's effective interest rate of <u>5.65</u> % except as otherwise provided (see instructions)		79
c	Total available at beginning of current plan year to add to prefunding balance		1472
d	Portion of (c) to be added to prefunding balance		0
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	0

Part III Funding Percentages			
14	Funding target attainment percentage	14	83.03 %
15	Adjusted funding target attainment percentage	15	83.03 %
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	81.28 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls					
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
03/27/2012	81000				
01/10/2013	34000				
			Totals ►	18(b)	115000 18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:		
a Contributions allocated toward unpaid minimum required contributions from prior years.	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	112443
20 Quarterly contributions and liquidity shortfalls:		
a Did the plan have a "funding shortfall" for the prior year?	☒ Yes ☐ No	
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☒ Yes ☐ No	
c If line 20a is "Yes," see instructions and complete the following table as applicable:		

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0		0	0

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:				
a Segment rates:	1st segment: 1.98%	2nd segment: 5.07%	3rd segment: 6.19 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 0
22 Weighted average retirement age				22 63
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute				

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.	☒ Yes ☐ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes ☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.....	☒ Yes ☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	27

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	66078	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	249685	46021	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)...	34	112099	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	112099	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	112443	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	344	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years.....	40	0	

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:			
a Schedule elected	☐ 2 plus 7 years ☐ 15 years		
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011		
42 Amount of acceleration adjustment	42		
43 Excess installment acceleration amount to be carried over to future plan years	43		

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	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 2012 This Form is Open to Public Inspection.
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For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan <u>KOCH NITROGEN HOURLY EMPLOYEES' PENSION PLAN</u>	B Three-digit plan number (PN)	<u>002</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>KOCH NITROGEN COMPANY LLC</u>	D Employer Identification Number (EIN) <u>80-0313656</u>	

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)
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a Name of MTIA, CCT, PSA, or 103-12 IE: <u>KOCH IND INC PEN RET PLAN MASTER TR</u>		
b Name of sponsor of entity listed in (a): <u>KOCH INDUSTRIES INC</u>		
c EIN-PN <u>25-6263968-001</u>	d Entity code <u>M</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>1350643</u>
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)
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)
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)
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)
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)
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)

a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
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code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**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

SCHEDULE I (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Financial Information—Small Plan 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 2012 This Form is Open to Public Inspection
For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012		
A Name of plan KOCH NITROGEN HOURLY EMPLOYEES' PENSION PLAN	B Three-digit plan number (PN) ►	002
C Plan sponsor's name as shown on line 2a of Form 5500 KOCH NITROGEN COMPANY LLC	D Employer Identification Number (EIN) 80-0313656	

Complete Schedule I if the plan covered fewer than 100 participants as of the beginning of the plan year. You may also complete Schedule I if you are filing as a small plan under the 80-120 participant rule (see instructions). Complete Schedule H if reporting as a large plan or DFE.

Part I	Small Plan Financial Information		
Report below the current value of assets and liabilities, income, expenses, transfers and changes in net assets during the plan year. Combine the value of plan assets held in more than one trust. Do not enter the value of the portion of an insurance contract that guarantees during this plan year to pay a specific dollar benefit at a future date. 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.			
1 Plan Assets and Liabilities:		(a) Beginning of Year	(b) End of Year
a Total plan assets	1a	1205696	1350643
b Total plan liabilities	1b	2709	2947
c Net plan assets (subtract line 1b from line 1a)	1c	1202987	1347696
2 Income, Expenses, and Transfers for this Plan Year:		(a) Amount	(b) Total
a Contributions received or receivable:			
(1) Employers	2a(1)	81000	
(2) Participants	2a(2)		
(3) Others (including rollovers)	2a(3)		
b Noncash contributions	2b		
c Other income	2c	117735	
d Total income (add lines 2a(1), 2a(2), 2a(3), 2b, and 2c)	2d		198735
e Benefits paid (including direct rollovers)	2e	40566	
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Administrative service providers (salaries, fees, and commissions)	2h	9123	
i Other expenses	2i	4337	
j Total expenses (add lines 2e, 2f, 2g, 2h, and 2i)	2j		54026
k Net income (loss) (subtract line 2j from line 2d)	2k		144709
l Transfers to (from) the plan (see instructions)	2l		
3 Specific Assets: If the plan held assets at anytime during the plan year in any of the following categories, check "Yes" and enter the current value of any assets remaining in the plan as of the end of the plan year. Allocate the value of the plan's interest in a commingled trust containing the assets of more than one plan on a line-by-line basis unless the trust meets one of the specific exceptions described in the instructions.		Yes	No
a Partnership/joint venture interests	3a	X	
b Employer real property	3b	X	
c Real estate (other than employer real property)	3c	X	
d Employer securities	3d	X	
e Participant loans	3e	X	

	Yes	No	Amount
3f Loans (other than to participants)		X	
g Tangible personal property		X	

Part II Compliance Questions

4 During the plan year:	Yes	No	Amount
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.).....		X	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of plan year or classified during the year as uncollectible? Disregard participant loans secured by the participant's account balance.		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible?		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a.).....		X	
e Was the 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	
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?		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?		X	
i Did the plan at any time hold 20% or more of its assets in any single security, debt, mortgage, parcel of real estate, or partnership/joint venture interest?.....		X	
j Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?		X	
k Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? If "No," attach an IQPA's report or 2520.104-50 statement. (See instructions on waiver eligibility and conditions.)	X		
l Has the plan failed to provide any benefit when due under the plan?		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.).....		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		X	

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

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)

Part III Trust Information (optional)

6a Name of trust	6b Trust's EIN
-------------------------	-----------------------

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 section 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 2012 This Form is Open to Public Inspection.
---	--	--

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

A Name of plan <u>KOCH NITROGEN HOURLY EMPLOYEES' PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>KOCH NITROGEN COMPANY LLC</u>	D Employer Identification Number (EIN) <u>80-0313656</u>

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	<u>0</u>
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): <u>25-6263968</u>		
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	<u>0</u>

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

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (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 participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year	14a	
b The plan year immediately preceding the current plan year	14b	
c The second preceding plan year	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

- 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): _____

Attachment to Schedule SB, Line 22 –
Description of Weighted Average Retirement Age
Koch Nitrogen Hourly Employees' Pension Plan
EIN: 80-0313656
Plan Number: 002

Age	Retirement Rate	Assumed Number Eligible	Assumed Number Retiring	Age * Number Retiring
55	5%	1,000	50	2,750
56	5%	950	48	2,688
57	5%	902	45	2,565
58	5%	857	43	2,494
59	5%	814	41	2,419
60	10%	773	77	4,620
61	10%	696	70	4,270
62	15%	626	94	5,828
63	15%	532	80	5,040
64	15%	452	68	4,352
65	25%	384	96	6,240
66	40%	288	115	7,590
67	30%	173	52	3,484
68	30%	121	36	2,448
69	30%	85	26	1,794
70	100%	<u>59</u>	<u>59</u>	<u>4,130</u>
			1,000	62,712
				/ 1,000
Weighted Average Retirement Age				63

Summary of Plan Provisions

Plan Name	Koch Nitrogen Hourly Employees' Pension Plan	Plan Effective	03/01/1992
		Last Change Effective	03/01/2009
Type of Plan	Flat Dollar		
Normal Form	5 Year Certain and Life Annuity		
Plan Eligibility	1 year of service		
Credited Service	From Date of Hire		
Pension Earnings	N/A		
EE Contributions	None		
Class	Oil, Chemical, and Atomic Workers International Union, AFL-CIO, Local Number 4-786		
Accumulated Benefit	\$516 times years of credited service		

Benefit	Age	Cont Svc	Age + Memb Svc	Description
Normal Retirement	65	--		AB, payable immediately
Early	55	10		AB, reduced 6% per year to age 62
Postponed	>65	--		AB, including earnings and service to actual retirement
Vesting	--	5		AB, payable at NRD
Disability	--	15		AB, payable at NRD
Pre Ret Death	--	5		50% of NRB, reduced for J&S, payable at NRD for life of spouse
	--	10		50% of ERB, reduced for J&S, payable for life of spouse

Changes in Benefits Valued

There have been no changes in benefits valued since the prior year.

Optional Forms of Payment

In addition to the normal form of payment, participants are eligible to elect the following actuarially equivalent optional forms:

Life Annuity – An annuity payable for your participant's lifetime only. No monthly benefits are payable after participant's death.

Joint and Survivor Annuity – An annuity payable for the participant's life and upon death, an annuity payable to the beneficiary based on the percentage elected.

Certain and Life Annuity – An annuity payable for participant's life. If participant dies after payments begin and within the guaranteed period chosen, payments will continue to the beneficiary for the remaining period guaranteed. Normal form is 60 payments, but participant may also choose 120 guaranteed payments.

Lump Sum – Single payment paid to participant who meets plan requirements.

Attachment to Schedule SB, Line 24 – Change in Actuarial Assumptions
Koch Nitrogen Hourly Employees' Pension Plan
EIN: 80-0313656
Plan Number: 002

Aspect of Valuation	Old	New
Lump Sum Rates	4.00%	3.75%

Plan Number: 002

Average Service: 19.8

Completed Years of Service

Attained Age		0 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up	Totals
15 to 24	Count	0	0	0	0	0	0	0	0	0	0
25 to 29	Count	0	0	0	0	0	0	0	0	0	0
30 to 34	Count	0	0	0	0	0	0	0	0	0	0
35 to 39	Count	0	0	0	0	0	0	0	0	0	0
40 to 44	Count	0	0	0	0	0	0	0	0	0	0
45 to 49	Count	0	0	0	0	0	0	0	0	0	0
50 to 54	Count	0	0	0	0	0	0	0	0	0	0
55 to 59	Count	0	0	0	8	0	0	0	0	0	8
60 to 64	Count	0	0	0	2	0	0	0	0	0	2
65 to 69	Count	0	0	0	0	0	0	0	0	0	0
Over 69	Count	0	0	0	0	0	0	0	0	0	0
TOTAL											10

Schedule SB, Line 32 - Schedule of Amortization Bases
Koch Nitrogen Hourly Employees' Pension Plan

EIN: 80-0313656
Plan Number: 002

Plan Year period: 1/1/2012 through 12/31/2012

	Date of Base Creation	Initial Amount	Amortization Installment	Remaining Period	PV of Future Installments
Shortfall Amortization Bases					
2010 Shortfall	1/1/2010	81,443	13,611	5	65,463
2011 Shortfall	1/1/2011	175,322	28,331	6	158,384
2012 Shortfall	1/1/2012	25,838	4,079	7	25,838
Total Shortfall Amortization Installments			46,021		249,685
Waiver Amortization Bases					
Total Waiver Amortization Installments			0		0
Total Amortization Installments			46,021		249,685
Total Amortization Installments reflecting minimum of 0 on Total Shortfall Installments			46,021		

Statement of Actuarial Assumptions and Methods

Actuarial Assumptions and Methods – Contributions

Economic Assumptions

Interest rate basis:

Applicable month	January 2012
Yield curve basis	Segment rates
MAP-21 applied for funding	No
MAP-21 applied for benefit restrictions	No

Interest rates:

First segment rate	1.98%
Second segment rate	5.07%
Third segment rate	6.19%
Effective interest rate	4.97%
Lump sum	3.75%

Demographic Assumptions

New or rehired employees	It was assumed there will be no new or rehired employees.
Mortality	
Healthy	Separate rates for non-annuitants (based on RP-2000 "Employees" table without collar or amount adjustments, projected to 2027 using Scale AA) and annuitants (based on RP-2000 "Healthy Annuitants" table without collar or amount adjustments, projected to 2019 using Scale AA).
Disabled	Separate rates for non-annuitants (based on RP-2000 "Employees" table without collar or amount adjustments, projected to 2027 using Scale AA) and annuitants (based on RP-2000 "Healthy Annuitants" table without collar or amount adjustments, projected to 2019 using Scale AA).

Termination

Rates varying by age and service, per 1,000 participants as follows:

Representative Termination Rates

Number leaving during the year		
Attained Age	Years of Service	
	0-4	5+
0-24	280	0
25-34	280	80
35-44	280	70
45-49	280	60
50-55	280	50
56-65	280	0

Disability

None Assumed.

Retirement

Rates varying by age, per 1,000 participants as follows:

Number retiring during the year	
Age	
55-59	50
60-61	100
62-64	150
65	250
66	400
67-69	300
70	1,000

Benefit commencement date:

Deferred vested benefit

Age 65.

Form of payment

75% of participants are assumed to elect a lump sum and 25% are assumed to elect an annuity.

Percent married

80%

Spouse age

Wife three years younger than husband.

Administrative expenses

\$20,000

At-risk assumptions

For at-risk calculations, all participants eligible to elect benefits during the current and subsequent ten plan years are assumed to commence benefits at the earliest possible date under the plan, but not before the end of the current plan year, except in accordance with the regular valuation assumptions. In addition, all participants (not just those eligible to begin benefits within the next 11 years) are assumed to elect the most valuable form of benefit under the plan, which is usually the lump sum form of payment.

Methods

Valuation date	First day of plan year.
Funding target	Present value of accrued benefits.
Target normal cost	Present value of benefits expected to accrue during plan year plus plan-related expenses expected to be paid from plan assets during plan year.
Actuarial value of assets	<p>Average of the fair market value of assets on the valuation date and the dates 12 and 24 months before the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings (with such expected earnings limited as described in IRS Notice 2009-22) . The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the 2011 plan year.)</p> <p>The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.</p>
Benefits not valued	All benefits described in the Plan Provisions section of this report were valued. Towers Watson has reviewed the plan provisions with Koch Nitrogen and, based on that review, is not aware of any significant benefits required to be valued that were not.
Change in assumptions and methods since prior valuation	<p>The funding interest rate was updated from January 2011 applicable month IRS-prescribed 24-month average segment rates to January 2012 applicable month IRS-prescribed 24-month average segment rates.</p> <p>The interest rate used for lump sum conversions was changed from 4.00% to 3.75%.</p> <p>The required mortality table used to calculate the funding target and target normal cost was updated to include one additional year of projected mortality improvements.</p>

**SCHEDULE SB
(Form 5500)**Department of the Treasury
Internal Revenue Service
Department of Labor
Employee Benefits Security Administration
Pension Benefit Guaranty Corporation**Single-Employer Defined Benefit Plan
Actuarial Information**

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

► **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2012**This Form is Open to Public
Inspection**

For calendar plan year 2012 or fiscal plan year beginning 01/01/2012 and ending 12/31/2012

► **Round off amounts to nearest dollar.**► **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan KOCH NITROGEN HOURLY EMPLOYEES' PENSION PLAN	B Three-digit plan number (PN) ► 002
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF KOCH NITROGEN COMPANY LLC	D Employer Identification Number (EIN) 80-0313656
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I Basic Information

1 Enter the valuation date: Month <u>1</u> Day <u>1</u> Year <u>2012</u>		
2 Assets:		
a Market value	2a	1,203,691
b Actuarial value	2b	1,222,462
3 Funding target/participant count breakdown:		
a For retired participants and beneficiaries receiving payment	3a	18
b For terminated vested participants	3b	9
c For active participants:		
(1) Non-vested benefits	3c(1)	0
(2) Vested benefits	3c(2)	1,003,314
(3) Total active	3c(3)	10
d Total	3d	37
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)	☐	
a Funding target disregarding prescribed at-risk assumptions	4a	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b	
5 Effective interest rate	5	4.97 %
6 Target normal cost	6	66,078

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	 MICHAEL R. MACE Signature of actuary	10/07/2013 Date
MICHAEL R. MACE Type or print name of actuary		11-06591 Most recent enrollment number
TOWERS WATSON PENNSYLVANIA INC. Firm name		(314) 719-5900 Telephone number (including area code)
101 SOUTH HANLEY ROAD ST. LOUIS Address of the firm	MO 63105-3411	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice and OMB Control Numbers, see the instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2012
v. 120126

Part II Beginning of Year Carryover Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	0
10 Interest on line 9 using prior year's actual return of <u>1.55</u> %		
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		1,393
b Interest on (a) using prior year's effective interest rate of <u>5.65</u> % except as otherwise provided (see instructions)		79
c Total available at beginning of current plan year to add to prefunding balance		1,472
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d - line 12)	0	0

Part III Funding Percentages

14 Funding target attainment percentage	14	83.03 %
15 Adjusted funding target attainment percentage	15	83.03 %
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	81.28 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
03/27/2012	81,000				
01/10/2013	34,000				
Totals ►			18(b)	115,000	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	112,443

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☒ Yes ☐ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☒ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:			
a Segment rates:	1st segment: 1.98 %	2nd segment: 5.07 %	3rd segment: 6.19 %
			☐ N/A, full yield curve used
b Applicable month (enter code).....	21b		0
22 Weighted average retirement age	22		63
23 Mortality table(s) (see instructions)	☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute		

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.	☒ Yes ☐ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes ☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.	☒ Yes ☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	27

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6).....	31a	66,078	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment.....	249,685	46,021	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33) ..	34	112,099	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....	0	0	0
36 Additional cash requirement (line 34 minus line 35).....	36	112,099	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	37	112,443	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	344	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:			
a Schedule elected	☐ 2 plus 7 years ☐ 15 years		
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011		
42 Amount of acceleration adjustment	42		
43 Excess installment acceleration amount to be carried over to future plan years	43		

Attachment to Schedule SB, Line 22 –
Description of Weighted Average Retirement Age
Koch Nitrogen Hourly Employees' Pension Plan
EIN: 80-0313656
Plan Number: 002

Age	Retirement Rate	Assumed Number Eligible	Assumed Number Retiring	Age * Number Retiring
55	5%	1,000	50	2,750
56	5%	950	48	2,688
57	5%	902	45	2,565
58	5%	857	43	2,494
59	5%	814	41	2,419
60	10%	773	77	4,620
61	10%	696	70	4,270
62	15%	626	94	5,828
63	15%	532	80	5,040
64	15%	452	68	4,352
65	25%	384	96	6,240
66	40%	288	115	7,590
67	30%	173	52	3,484
68	30%	121	36	2,448
69	30%	85	26	1,794
70	100%	<u>59</u>	<u>59</u>	<u>4,130</u>
			1,000	62,712
				/ 1,000
Weighted Average Retirement Age				63

Statement of Actuarial Assumptions and Methods

Actuarial Assumptions and Methods – Contributions

Economic Assumptions

Interest rate basis:

Applicable month	January 2012
Yield curve basis	Segment rates
MAP-21 applied for funding	No
MAP-21 applied for benefit restrictions	No

Interest rates:

First segment rate	1.98%
Second segment rate	5.07%
Third segment rate	6.19%
Effective interest rate	4.97%
Lump sum	3.75%

Demographic Assumptions

New or rehired employees It was assumed there will be no new or rehired employees.

Mortality

Healthy	Separate rates for non-annuitants (based on RP-2000 "Employees" table without collar or amount adjustments, projected to 2027 using Scale AA) and annuitants (based on RP-2000 "Healthy Annuitants" table without collar or amount adjustments, projected to 2019 using Scale AA).
Disabled	Separate rates for non-annuitants (based on RP-2000 "Employees" table without collar or amount adjustments, projected to 2027 using Scale AA) and annuitants (based on RP-2000 "Healthy Annuitants" table without collar or amount adjustments, projected to 2019 using Scale AA).

Termination

Rates varying by age and service, per 1,000 participants as follows:

Representative Termination Rates

Number leaving during the year

<i>Attained Age</i>	<i>Years of Service</i>	
	<i>0-4</i>	<i>5+</i>
0-24	280	0
25-34	280	80
35-44	280	70
45-49	280	60
50-55	280	50
56-65	280	0

Disability

None Assumed.

Retirement

Rates varying by age, per 1,000 participants as follows:

Number retiring during the year

<i>Age</i>	
55-59	50
60-61	100
62-64	150
65	250
66	400
67-69	300
70	1,000

Benefit commencement date:

Deferred vested benefit

Age 65.

Form of payment

75% of participants are assumed to elect a lump sum and 25% are assumed to elect an annuity.

Percent married

80%

Spouse age

Wife three years younger than husband.

Administrative expenses

\$20,000

At-risk assumptions

For at-risk calculations, all participants eligible to elect benefits during the current and subsequent ten plan years are assumed to commence benefits at the earliest possible date under the plan, but not before the end of the current plan year, except in accordance with the regular valuation assumptions. In addition, all participants (not just those eligible to begin benefits within the next 11 years) are assumed to elect the most valuable form of benefit under the plan, which is usually the lump sum form of payment.

Methods

Valuation date	First day of plan year.
Funding target	Present value of accrued benefits.
Target normal cost	Present value of benefits expected to accrue during plan year plus plan-related expenses expected to be paid from plan assets during plan year.
Actuarial value of assets	<p>Average of the fair market value of assets on the valuation date and the dates 12 and 24 months before the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings (with such expected earnings limited as described in IRS Notice 2009-22) . The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the 2011 plan year.)</p> <p>The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.</p>
Benefits not valued	All benefits described in the Plan Provisions section of this report were valued. Towers Watson has reviewed the plan provisions with Koch Nitrogen and, based on that review, is not aware of any significant benefits required to be valued that were not.
Change in assumptions and methods since prior valuation	<p>The funding interest rate was updated from January 2011 applicable month IRS-prescribed 24-month average segment rates to January 2012 applicable month IRS-prescribed 24-month average segment rates.</p> <p>The interest rate used for lump sum conversions was changed from 4.00% to 3.75%.</p> <p>The required mortality table used to calculate the funding target and target normal cost was updated to include one additional year of projected mortality improvements.</p>

Summary of Plan Provisions

Plan Name	Koch Nitrogen Hourly Employees' Pension Plan		Plan Effective	03/01/1992
			Last Change Effective	03/01/2009
Type of Plan	Flat Dollar			
Normal Form	5 Year Certain and Life Annuity			
Plan Eligibility	1 year of service			
Credited Service	From Date of Hire			
Pension Earnings	N/A			
EE Contributions	None			
Class	Oil, Chemical, and Atomic Workers International Union, AFL-CIO, Local Number 4-786			
Accumulated Benefit	\$516 times years of credited service			
Benefit	Age	Cont Svc	Age + Memb Svc	Description
Normal Retirement	65	--		AB, payable immediately
Early	55	10		AB, reduced 6% per year to age 62
Postponed	>65	--		AB, including earnings and service to actual retirement
Vesting	--	5		AB, payable at NRD
Disability	--	15		AB, payable at NRD
Pre Ret Death	--	5		50% of NRB, reduced for J&S, payable at NRD for life of spouse
	--	10		50% of ERB, reduced for J&S, payable for life of spouse

Changes in Benefits Valued

There have been no changes in benefits valued since the prior year.

Optional Forms of Payment

In addition to the normal form of payment, participants are eligible to elect the following actuarially equivalent optional forms:

Life Annuity – An annuity payable for your participant's lifetime only. No monthly benefits are payable after participant's death.

Joint and Survivor Annuity – An annuity payable for the participant's life and upon death, an annuity payable to the beneficiary based on the percentage elected.

Certain and Life Annuity – An annuity payable for participant's life. If participant dies after payments begin and within the guaranteed period chosen, payments will continue to the beneficiary for the remaining period guaranteed. Normal form is 60 payments, but participant may also choose 120 guaranteed payments.

Lump Sum – Single payment paid to participant who meets plan requirements.

Attachment to Schedule SB, Line 24 – Change in Actuarial Assumptions
Koch Nitrogen Hourly Employees' Pension Plan
EIN: 80-0313656
Plan Number: 002

Aspect of Valuation	Old	New
Lump Sum Rates	4.00%	3.75%

[illegible]

Schedule SB, Line 32 - Schedule of Amortization Bases
Koch Nitrogen Hourly Employees' Pension Plan

EIN: 80-0313656

Plan Number: 002

Plan Year period: 1/1/2012 through 12/31/2012

Shortfall Amortization Bases

	Date of Base Creation	Initial Amount	Amortization Installment	Remaining Period	PV of Future Installments
2010 Shortfall	1/1/2010	81,443	13,611	5	65,463
2011 Shortfall	1/1/2011	175,322	28,331	6	158,384
2012 Shortfall	1/1/2012	25,838	4,079	7	25,838
Total Shortfall Amortization Installments			46,021		249,685

Waiver Amortization Bases

Total Waiver Amortization Installments			0		0
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Total Amortization Installments

Total Amortization Installments			46,021		249,685
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Total Amortization Installments reflecting minimum of 0 on Total
Shortfall Installments

			46,021		
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