

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). ► Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089
		2011
		This Form is Open to Public Inspection

Part I	Annual Report Identification Information
For calendar plan year 2011 or fiscal plan year beginning <u>01/01/2011</u> and ending <u>12/31/2011</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>CAIN CHEMICAL INC. PENSION PLAN</u>	1b Three-digit plan number (PN) ► <u>003</u> 1c Effective date of plan <u>04/29/1987</u>
2a Plan sponsor's name and address, including room or suite number (Employer, if for single-employer plan) <u>EQUISTAR CHEMICALS, LP</u> <u>1221 MCKINNEY, SUITE 700</u> <u>HOUSTON, TX 77010-2006</u>	2b Employer Identification Number (EIN) <u>76-0550481</u> 2c Sponsor's telephone number <u>713-652-7200</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	<u>Filed with authorized/valid electronic signature.</u>	<u>08/28/2012</u>	<u>PEGGY PFISTER</u>
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	<u>Filed with authorized/valid electronic signature.</u>	<u>08/28/2012</u>	<u>PEGGY PFISTER</u>
	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

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

Form 5500 (2011)
v.012611

3a Plan administrator's name and address (if same as plan sponsor, enter "Same") BENEFITS ADMINISTRATIVE COMMITTEE 1221 MCKINNEY, SUITE 700 HOUSTON, TX 77010-2006	3b Administrator's EIN 20-3443655 3c Administrator's telephone number 713-652-7200
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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
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5 Total number of participants at the beginning of the plan year	5	1141
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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	187
b Retired or separated participants receiving benefits.....	6b	579
c Other retired or separated participants entitled to future benefits.....	6c	304
d Subtotal. Add lines 6a , 6b , and 6c	6d	1070
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.....	6e	63
f Total. Add lines 6d and 6e	6f	1133
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	
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8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:

1I 1G 3H

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic 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
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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 2011 This Form is Open to Public Inspection
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For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011

▶ **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>CAIN CHEMICAL INC. PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>EQUISTAR CHEMICALS, LP</u>	D Employer Identification Number (EIN) <u>76-0550481</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>2011</u>
2	Assets:
a	Market value 2a <u>33244041</u>
b	Actuarial value 2b <u>30179636</u>
3	Funding target/participant count breakdown:
	(1) Number of participants (2) Funding Target
a	For retired participants and beneficiaries receiving payment 3a <u>589</u> <u>30828046</u>
b	For terminated vested participants 3b <u>364</u> <u>7351640</u>
c	For active participants:
(1)	Non-vested benefits 3c(1) <u>659824</u>
(2)	Vested benefits 3c(2) <u>5273106</u>
(3)	Total active 3c(3) <u>188</u> <u>5932930</u>
d	Total 3d <u>1141</u> <u>44112616</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>6.20 %</u>
6	Target normal cost 6 <u>312934</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	
Signature of actuary	Date
<u>PENNY BAILEY</u>	<u>11-05451</u>
Type or print name of actuary	Most recent enrollment number
<u>MERCER</u>	<u>314-588-2500</u>
Firm name	Telephone number (including area code)
<u>701 MARKET STREET, SUITE 1100</u> <u>ST. LOUIS, MO 63101-1867</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) 2011
v.012611

Part II		Beginning of year carryover and prefunding balances	
		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	2055344	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	1599749	0
9	Amount remaining (line 7 minus line 8)	455595	0
10	Interest on line 9 using prior year's actual return of <u>14.25</u> %	64922	
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38 from prior year)		0
b	Interest on (a) using prior year's effective rate of <u>6.63</u> % except as otherwise provided (see instructions)		0
c	Total available at beginning of current plan year to add to prefunding balance		0
d	Portion of (c) to be added to prefunding balance		
12	Other reductions in balances due to elections or deemed elections		
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	520517	0

Part III		Funding percentages	
14	Funding target attainment percentage	14	67.23 %
15	Adjusted funding target attainment percentage	15	67.23 %
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	83.20 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	68.41 %

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
07/13/2011	350000				
10/13/2011	317300				
12/01/2011	13000000				
01/12/2012	400000				
07/12/2012	1570000				
			Totals ▶	18(b)	15637300
				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 14753691
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year?	☒ Yes ☐ No
b If 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☒ Yes ☐ No
c If 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
0	0
(3) 3rd	(4) 4th
0	0

Part V Assumptions used to determine funding target and target normal cost

21 Discount rate:				
a Segment rates:	1st segment: 3.78%	2nd segment: 6.31%	3rd segment: 6.57 %	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 4
22 Weighted average retirement age				22 59
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 eligible for (and is using) 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	312934	
b Excess assets, if applicable, but not greater than 31a	31b		
32 Amortization installments:	Outstanding Balance		Installment
a Net shortfall amortization installment	14453497		2634481
b Waiver amortization installment			
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	2947415	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....	520517		520517
36 Additional cash requirement (line 34 minus line 35)	36	2426898	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	14753691	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	12326793	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	520517	
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 a shortfall amortization base is being amortized pursuant to an alternative amortization schedule:			
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 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
		2011
		This Form is Open to Public Inspection.

For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011

A Name of plan <u>CAIN CHEMICAL INC. PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>EQUISTAR CHEMICALS, LP</u>	D Employer Identification Number (EIN) <u>76-0550481</u>

Part I Service Provider Information (see instructions)

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
LAZARD ASSET MANAGEMENT LLC

05-0530199

(b) Enter name and EIN or address of person who provided you disclosure on eligible indirect compensation
ENTRUST PARTNERS OFFSHORE LLC

13-4075262

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

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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)

MERCER

13-2834414

(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?
11 13 50	NONE	139366	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

PRICEWATERHOUSE COOPERS

13-4008324

(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?
10 50	NONE	29835	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

MONDRIAN INVESTMENT GROUP

56-2475915

(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?
28 51 68	NONE	19483	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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)

J.P. MORGAN INVESTMENT MANAGEMENT

13-3200244

(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?
27 28 50 51	NONE	18981	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

THE BANK OF NEW YORK MELLON

13-5160382

(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?
21 28 51 68	NONE	18188	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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

MERCATOR

65-0617051

(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?
28 51 68	NONE	17907	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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)

WELLINGTON TRUST COMPANY

42-7555490

(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?
28 51 68	NONE	17027	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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

PACIFIC INVESTMENT MANAGEMENT CO.

33-0629048

(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?
28 51	NONE	13181	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

NEUBERGER BERMAN

13-5521910

(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?
28 51 68	NONE	11481	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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)

INTECH INVESTMENT MANAGEMENT LLC

10-6148950

(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?
28 51	NONE	10362	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

LSV ASSET MANAGEMENT

22-2772200

(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?
28 51	NONE	9397	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

PRUDENTIAL TRUST CO.

23-6994310

(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?
28 51 68	NONE	9266	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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)

PRUDENTIAL INSURANCE CO.

22-1211670

(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?
28 51	NONE	8720	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

GOLDMAN SACHS ASSET MANAGEMENT L.P.

13-3575636

(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?
28 51	NONE	8423	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

KORNITZER CAPITAL MANAGEMENT

48-1069845

(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?
27 28 51	NONE	7175	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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)

TIMESQUARE CAPITAL MANAGEMENT

20-1665304

(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?
28 51 68	NONE	6051	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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

T. ROWE PRICE ASSOCIATES, INC.

52-0556948

(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?
28 51 68	NONE	5260	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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

EAGLE CAPITAL MANAGEMENT, LLC

22-3361201

(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?
28 51 68	NONE	5146	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☐

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)

BHMS INC.

75-2403190

(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?
28 51 68	NONE	5043	Yes ☒ No ☐	Yes ☒ No ☐	0	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 ☐

(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

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

a Name: KEVIN R. MINOR	b EIN: 23-1159360
c Position: ACTUARY	
d Address: TOWERS WATSON 1221 MCKINNEY, SUITE 2600 HOUSTON, TX 77010-1006	e Telephone: 713-754-5400

Explanation: MR. MINOR LEFT THE EMPLOYMENT OF MERCER

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 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
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)

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
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
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
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
		2011
		This Form is Open to Public Inspection

For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011		
A Name of plan CAIN CHEMICAL INC. PENSION PLAN	B Three-digit plan number (PN) ►	003
C Plan sponsor's name as shown on line 2a of Form 5500 EQUISTAR CHEMICALS, LP	D Employer Identification Number (EIN) 76-0550481	

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)		1970000
(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)	33358176	43340807
(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	33358176	45310807

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h	68716	95145
i Acquisition indebtedness	1i		
j Other liabilities	1j		10532
k Total liabilities (add all amounts in lines 1g through 1j)	1k	68716	105677

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	33289460	45205130
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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)	15637300	
(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)		15637300
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)		0
(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

		(a) Amount	(b) Total
2b (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
(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)		-119625
(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		15517675

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	3104598	
(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)		3104598
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)	93698	
(2) Contract administrator fees	2i(2)	75503	
(3) Investment advisory and management fees	2i(3)	178897	
(4) Other	2i(4)	149309	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		497407
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		3602005

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		11915670
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) ☐ Unqualified (2) ☐ Qualified (3) ☒ Disclaimer (4) ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)? ☒ Yes ☐ No

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

(1) Name: PRICEWATERHOUSECOOPERS

(2) EIN: 13-4008324

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 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete 4j and 4l. MTIAs also do not complete 4l.

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 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.).....		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.)		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.).....		X	
e Was this plan covered by a fidelity bond?.....	X		51756000
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 have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.).....		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.).....		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?.....		X	
l Has the plan failed to provide any benefit when due under the plan?	X		131300
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.).....			
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?

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)

<div>SCHEDULE R (Form 5500) <div>Department of the Treasury Internal Revenue Service</div><div>Department of Labor Employee Benefits Security Administration</div><div>Pension Benefit Guaranty Corporation</div></div>		<div>Retirement Plan Information</div> <div>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).</div> <div>▶ File as an attachment to Form 5500.</div>		<div>OMB No. 1210-0110</div> <div>2011</div> <div>This Form is Open to Public Inspection.</div>	
For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/31/2011					
A Name of plan CAIN CHEMICAL INC. PENSION PLAN				B Three-digit plan number (PN) ▶	003
C Plan sponsor's name as shown on line 2a of Form 5500 EQUISTAR CHEMICALS, LP				D Employer Identification Number (EIN) 76-0550481	
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): 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	0
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 and OMB Control Numbers, see the instructions for Form 5500.				Schedule R (Form 5500) 2011 v.012611	

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 items 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 items 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 items 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 items 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 items 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 items 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 item 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 items (a) through (c)

- a** Enter the percentage of plan assets held as:

Stock: 68% Investment-Grade Debt: 23% High-Yield Debt: 5% Real Estate: 4% Other: 0%

- 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 item 19(b)?

☐ Effective duration ☐ Macaulay duration ☒ Modified duration ☐ Other (specify):



CAIN CHEMICAL INC. PENSION PLAN

FINANCIAL STATEMENTS

**As of December 31, 2011 and 2010
and for the years ended December 31, 2011 and 2010**

CAIN CHEMICAL INC. PENSION PLAN

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Schedules required by 29 CFR 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 ("ERISA") have been omitted because they are not applicable.



Report of Independent Auditors

To the Participants and Benefits Administrative Committee of the
Cain Chemical Inc. Pension Plan

We were engaged to audit the financial statements of Cain Chemical Inc. Pension Plan (the "Plan") at December 31, 2011 and December 31, 2010 and for the years then ended, as listed in the accompanying index. These financial statements are the responsibility of the Plan's management.

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 7, which was certified by The Bank of New York Mellon the trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained a certification from the trustee as of December 31, 2011 and December 31, 2010 and for the years then ended, that the information provided to the plan administrator by the trustee is complete and accurate.

Because of the significance of the information that we did not audit, we are unable to, and do not, express an opinion on the accompanying financial statements taken as a whole. The form and content of the information included in the financial statements, other than that derived from the information certified by the trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

PricewaterhouseCoopers LLP

Houston, TX
August 7, 2012

CAIN CHEMICAL INC. PENSION PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS

	December 31,	
	2011	2010
ASSETS		
Plan interest in the Lyondell Chemical Company Retirement Master Trust, at fair value	\$ 43,340,807	\$ 33,358,176
Employer contributions receivable	1,970,000	- -
Total assets	45,310,807	33,358,176
LIABILITIES		
Payable to the PDG Chemical Inc. Pension Plan	10,532	- -
Accrued administrative expenses	95,145	68,716
Total liabilities	105,677	68,716
Net assets available for benefits	\$ 45,205,130	\$ 33,289,460

The accompanying notes are an integral part of these financial statements.

CAIN CHEMICAL INC. PENSION PLAN

STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS

	For the Year Ended December 31,	
	2011	2010
Investment (loss) income from the Lyondell Chemical Company Retirement Master Trust	\$ (119,625)	\$ 4,650,430
Employer contributions	15,637,300	- -
Benefits paid to participants	(3,104,598)	(3,550,301)
Administrative expenses	(497,407)	(487,225)
Net increase	11,915,670	612,904
Net assets available for benefits:		
Beginning of year	33,289,460	32,676,556
End of year	<u>\$ 45,205,130</u>	<u>\$ 33,289,460</u>

The accompanying notes are an integral part of these financial statements.

CAIN CHEMICAL INC. PENSION PLAN
STATEMENT OF ACCUMULATED PLAN BENEFITS

	December 31, 2010
Actuarial present value of accumulated plan benefits:	
Vested plan benefits:	
Participants currently receiving benefits	\$ 27,315,265
Other participants	10,371,101
Total vested plan benefits	37,686,366
Non-vested plan benefits	567,059
Total actuarial present value of accumulated plan benefits	\$ 38,253,425

The accompanying notes are an integral part of these financial statements.

CAIN CHEMICAL INC. PENSION PLAN
STATEMENT OF CHANGES IN ACCUMULATED PLAN BENEFITS

	For the Year Ended December 31, 2010
Actuarial present value of accumulated plan benefits at beginning of year (January 1, 2010)	\$ 37,887,975
Increase (decrease) during the year attributable to:	
Additional benefits accumulated, including actuarial experience losses	1,026,725
Interest	2,889,026
Benefits paid to participants	(3,550,301)
Net increase	365,450
Actuarial present value of accumulated plan benefits at end of year (December 31, 2010)	\$ 38,253,425

The accompanying notes are an integral part of these financial statements.

CAIN CHEMICAL INC. PENSION PLAN
NOTES TO THE FINANCIAL STATEMENTS

1. Description of Plan

General – The Cain Chemical Inc. Pension Plan (“Plan”) is a noncontributory defined benefit pension for certain former non-represented employees of Cain Chemical Inc. (“Cain”) or an affiliate who were employed on or after April 30, 1987 and before July 31, 1988. The Plan is the successor to prior plans maintained by acquired entities of Cain, which were purchased by Occidental Petroleum Corporation (“Occidental”) in May 1988. In connection with the purchase, the Plan was frozen effective July 31, 1988. Equistar Chemicals, LP (“Equistar” or “Company”), a Delaware limited partnership, replaced Occidental as the sponsor of the Plan effective June 1, 1998. Equistar is a wholly owned subsidiary of Lyondell Chemical Company (“Lyondell”). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”). Participants should refer to the Plan document for a complete description of the Plan provisions.

On January 6, 2009, Equistar and Lyondell filed voluntary petitions for relief under chapter 11 (“chapter 11”) of the U.S. Bankruptcy Code in the U.S. Bankruptcy Court. The Plan of Reorganization provided that Equistar would continue to maintain the Plan. On April 30, 2010, Equistar and Lyondell emerged from chapter 11 proceedings.

Pension Benefits – Participants are entitled to monthly pension benefits upon retiring on or after the normal retirement age of 65, as defined in the Plan document. The Plan also permits early retirement at a reduced benefit level for participants retiring after reaching age 55 with at least 5 years of vesting service or reaching age 50 with at least 15 years of vesting service. If a participant is vested but terminates employment prior to eligibility for normal or early retirement, the participant is eligible for a deferred pension benefit commencing at age 65. Earlier commencement at a reduced benefit level may be available, depending on the participant’s years of service. All participants became vested in their benefits under the Plan as of July 31, 1988. Participants receive their accumulated plan benefits as a monthly benefit or in an actuarially equivalent optional form available under the Plan.

Death and Disability Benefits – If a participant dies, death benefits, as described in the Plan document, are paid to the participant’s beneficiary. If a participant terminates employment due to disability with at least fifteen years of service, the participant is eligible for a disability retirement benefit, computed as a normal retirement benefit. The participant may also be eligible for a social security supplement, as described in the Plan document.

Contributions – All contributions are made by the Company and participant contributions are not permitted under the terms of the Plan.

Administration – The Plan is administered by the Benefits Administrative Committee (“BAC”). Mercer is the Plan’s recordkeeper and actuary. Plan assets are maintained in the Lyondell Chemical Company Retirement Master Trust (“Master Trust”) under the custody of The Bank of New York Mellon (“Trustee”). Management of portfolio assets is directed by external investment managers hired and monitored by the Benefits Finance Committee (“BFC”). Both the BAC and BFC consist of individuals appointed by the Lyondell Board of Directors.

Payable to the PDG Chemical Inc. Pension Plan – The PDG Chemical Inc. Pension Plan paid a portion of the 2011 administrative fees on behalf of the Plan and such amounts were accrued as payable to the PDG Chemical Inc. Pension Plan in the accompanying Statements of Net Assets Available for Benefits.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

2. Summary of Significant Accounting Policies

Basis of Accounting – The financial statements of the Plan are prepared in accordance with Generally Accepted Accounting Principles in the United States of America (“GAAP”).

New Accounting Standards – In May 2011, the Financial Accounting Standards Board (the “FASB”) issued Accounting Standards Update (“ASU”) 2011-04, *Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in U.S. GAAP and IFRS* (International Financial Reporting Standards). ASU 2011-4 is intended to improve the comparability of fair value measurements presented and disclosed in financial statements prepared in accordance with U.S. GAAP and IFRS. This guidance also enhances disclosure requirements for recurring Level 3 fair value measurements to include quantitative information about unobservable inputs used, a description of the valuation processes used by the Plan, and a qualitative discussion about the sensitivity of the measurements. The amendments are of two types: (i) those that clarify the FASB’s intent about the application of existing fair value measurement and disclosure requirements and (ii) those that change a particular principle or requirement for measuring fair value or for disclosing information about fair value measurements. The update is effective for annual periods beginning after December 15, 2011. The Company does not expect the adoption of this update will have a material impact on the Plan’s financial statements.

Recently Adopted Guidance – In January 2010, the FASB issued additional guidance on improving disclosures regarding fair value measurements. ASU 2010-06 amends Accounting Standards Codification (“ASC”) 820-10, *Fair Value Measurements and Disclosures*. This update requires entities to disclose the amounts of significant transfers between Level 1 and Level 2 of the fair value hierarchy and the reasons for these transfers, as well as the reasons for any transfer in or out of Level 3. The guidance also requires separate disclosure of information about purchases, sales, issuances, and settlements in the reconciliation of recurring Level 3 measurements on a gross basis. The Company has adopted all of the amendments regarding fair value measurements. These disclosures did not have a material impact on the Plan’s financial statements.

Use of Estimates – The preparation of the Plan’s financial statements in conformity with GAAP requires management to make significant estimates and assumptions that affect the reported amounts of net assets available for benefits and accumulated plan benefits at the date of the financial statements and the changes in net assets available for benefits and changes in accumulated plan benefits during the reporting period and, when applicable, disclosures of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

Investment Valuation and Income Recognition – A separate account for the Plan is maintained by the Master Trust reflecting the Plan’s share of the Master Trust. Interest in the Master Trust is determined on a monthly basis and is based upon the beginning of the month value of the Plan’s interest in the Master Trust plus actual contributions and allocated investment (loss) income, less actual distributions and an allocation of administrative expenses. Investments of the Master Trust are stated 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. See Note 9 for discussion of fair value measurements.

From time to time the Master Trust’s investment managers may use derivative financial instruments including forward exchange contracts and future contracts. Derivative instruments are used primarily to mitigate exposure to foreign exchange rate and interest rate fluctuations as well as manage the investment mix in the portfolio. The Master Trust’s interest in funds which utilize such financial instruments is not considered significant to the Plan’s financial statements.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

Purchases and sales of securities by the Master Trust are accounted for on a trade date basis (the date the order to buy or sell is originated). Gains or losses on the sale or distribution of securities are computed on a first-in, first-out basis. Dividend income is recorded on the ex-dividend date. Income from other investments is recorded as earned. The net appreciation or depreciation in the fair value of investments, which consist of the realized gains or losses and the unrealized appreciation or depreciation on those investments, is included in “Investment (loss) income from the Lyondell Chemical Company Retirement Master Trust” in the Statements of Changes in Net Assets Available for Benefits.

Interest and dividends earned, net appreciation or depreciation in the fair value of investments, and expenses incurred under the collective investment accounts of the Master Trust are allocated to the Plan based upon the average monthly investment balance in the Master Trust of each plan participating in the trust.

Risks and Uncertainties – The Master Trust invests in a combination of common and preferred stock, fixed income securities, bank common and commingled funds, short-term investments, open ended real estate funds, hedge funds, convertible securities, U.S. government securities, and cash and cash equivalents. Investment securities are exposed to various risks, such as market and credit risks. Changes in the values of investment securities will continue to occur in the near term and such changes could materially affect the amounts reported in the Statements of Net Assets Available for Benefits.

The actuarial present value of accumulated plan benefits is reported based on certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimations and assumption process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

Benefits Paid to Participants – Benefit payments to participants are recorded upon distribution and are paid by the Master Trust.

Administrative Expenses – Certain administrative expenses are paid by the Plan and Plan sponsor. See Note 10 for discussion of related-party transactions.

3. Actuarial Present Value of Accumulated Plan Benefits

Accumulated plan benefits are those future periodic payments, including lump-sum distributions, which are attributable under the Plan’s provisions to the service that employees have rendered, as of the beginning of the plan year. Accumulated plan benefits include benefits expected to be paid to: (a) retired or terminated employees or their beneficiaries; (b) beneficiaries of employees who have died; and (c) present employees or their beneficiaries. The Plan was frozen as of July 31, 1988; thus, participants do not accrue additional benefits after that date. All participants became fully vested in their accrued benefits as of July 31, 1988.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The 2010 actuarial present value of accumulated plan benefits was determined by the Plan's actuary, Mercer. The actuarial method used to determine the present value of accumulated plan benefits is the projected unit credit actuarial cost method. The more significant assumptions underlying the actuarial valuation are as follow:

	<u>December 31, 2010</u>
Investment return	8.0% per year
Interest rate	8.0% per year
Mortality table	RP-2000 Combined healthy mortality table for males and females with no collar adjustment, projected to 2017
Assumed average retirement age	59 years of age

Plan contributions and the actuarial present value of accumulated plan benefits are prepared based upon certain assumptions pertaining to interest rates, inflation rates and employee demographics, all of which are subject to change.

The foregoing actuarial assumptions are based upon the presumption that the Plan will continue. If the Plan were to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated plan benefits.

4. Funding Policy

The funding policy of the Company is to satisfy legal minimum funding requirements, as determined under the standard unit credit method, as adopted January 1, 2008, under the Pension Protection Act of 2006 ("PPA"), with the discretion to make additional contributions from time to time. Fluctuations in the return (interest, dividends, and net appreciation or depreciation in fair value) on investments of the Plan from the assumed rate serve to reduce or increase the future contributions required to provide for the benefits defined under the Plan.

Contributions for the years ended December 31, 2011 and 2010 were \$15,637,300 and zero, respectively, and, as determined by the Plan's actuaries, met the minimum funding requirements under ERISA and the Internal Revenue Code of 1986 (the "Code"), each as amended by the PPA.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

5. Plan Termination

Although it has not expressed any intention to do so, Equistar has the right, under the terms of the Plan document, to discontinue its contributions at any time and to terminate the Plan, subject to the applicable provisions of ERISA and the Code.

Participants' retirement allowances under the Plan are insured to the extent required by law through the Pension Benefit Guaranty Corporation ("PBGC"). If the Plan were to be terminated, priorities of payment of benefits would be made in accordance with the requirements of ERISA and the Code.

Whether all participants receive their benefits should the Plan terminate at some future time will depend on the sufficiency, at that time, of the Plan's net assets to provide for accumulated benefit obligations and may also depend on the financial condition of the Plan sponsor and the level of benefits guaranteed by the PBGC.

6. Tax Status

GAAP requires the Plan's 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 Internal Revenue Service ("IRS"). The plan administrator has analyzed the tax positions of the Plan, and has concluded that as of December 31, 2011, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The statute of limitations for collecting income taxes from the Plan is closed for the years prior to 2008.

The IRS issued a determination letter dated February 10, 2012, stating that the Plan and related Master Trust are designed in accordance with applicable sections of the Code. The BAC believes that the Plan is currently designed and being operated in compliance with the applicable requirements of the Code. Accordingly, no provision is made for federal income taxes.

7. Information Certified by the Plan's Trustee

The plan administrator has elected the method of compliance permitted by Section 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, the Trustee has certified that the following data included in the accompanying financial statements are complete and accurate:

- Plan interest in the Master Trust, at fair value
- Investment (loss) income from the Master Trust
- Investment amounts as shown in Note 8 and Note 9, except for the non-monetary information included in the Net Asset Value per Share table as shown in Note 9 which was not certified by the Trustee

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

8. Interest in Lyondell Chemical Company Retirement Master Trust

The Master Trust is a pooled investment trust composed of the beneficial interests of certain participating defined benefit plans (“Master Trust Plans”) of Lyondell and certain of its subsidiaries and affiliates. The Master Trust consists of a portfolio of investments in a combination of common and preferred stock, fixed income securities, bank common and commingled funds, short-term investments, open ended real estate funds, hedge funds, convertible securities, U.S. government securities, and cash and cash equivalents.

Master Trust Plans do not own specific securities or other assets in the Master Trust but have an undivided interest in the Master Trust. The Plan’s undivided interest in the investment holdings of the Master Trust, consisting of total investments, receivables from sales of securities, accrued interest, dividends and payables from purchases of securities, and other payables and receivables, was approximately 3% at both December 31, 2011 and 2010. Investment (loss) income related to the Master Trust is allocated to the Master Trust Plans based upon each plan’s average monthly investment balance in the Master Trust.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The net assets of the Master Trust as of December 31, 2011 and 2010 are as follows:

	December 31,	
	2011	2010
Assets		
Investments, at fair value:		
Common and preferred stock		
Domestic	\$ 335,045,018	\$ 346,201,911
International	19,608,157	27,702,868
Fixed income securities		
Mortgage-backed securities	15,444,432	17,863,950
Asset-backed securities	2,897,031	4,356,220
Corporate bonds	126,548,436	110,968,946
Municipal bonds	6,322,994	5,718,909
Foreign government issued bonds	9,638,316	3,473,021
Commingled funds		
Domestic equity	130,169,872	109,683,590
International equity	396,753,471	322,752,642
Fixed income	185,259,592	92,341,495
Short-term investments	156,886	201,316
Real estate	51,148,988	41,914,898
Hedge funds ^(a)	39,882,756	-
Convertible securities	795,625	1,425,181
U.S. government securities		
Agency securities	41,900,571	61,636,785
U.S. Treasury securities	57,523,176	41,001,258
Cash and cash equivalents	92,822,587	31,953,491
Total investments	<u>1,511,917,908</u>	<u>1,219,196,481</u>
Receivables:		
Sales of securities	8,451,726	1,438,627
Accrued interest and dividends	8,113,760	10,165,587
Total receivables	<u>16,565,486</u>	<u>11,604,214</u>
Total assets	1,528,483,394	1,230,800,695
Liabilities		
Purchase of securities	11,013,571	33,037,153
Other payables	9,789,739	7,757,638
Total liabilities	<u>20,803,310</u>	<u>40,794,791</u>
Net assets	<u>\$ 1,507,680,084</u>	<u>\$ 1,190,005,904</u>

(a) This class includes approximately 51% investments in credit, long/short equity, and event-driven strategies, as well as special situations, and approximately 49% investments in fixed-income oriented, event-driven and macro strategies.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The components of total investment (loss) income of the Master Trust for the years ended December 31, 2011 and 2010 are as follows:

	<u>2011</u>	<u>2010</u>
Investment (loss) income:		
Net appreciation (depreciation) in fair value of investments:		
Common and preferred stock	\$ 2,141,188	\$ 62,698,745
Fixed income securities	(3,579,587)	7,359,969
Commingled funds	(42,387,149)	64,143,254
Short-term investments	1,189,793	1,305,436
Real estate	9,261,580	4,197,844
Hedge funds	(743,522)	- -
Convertible securities	34,337	212,235
U.S. government securities	7,577,981	4,968,587
Cash and cash equivalents	(32,856)	12,478
Total	<u>(26,538,235)</u>	<u>144,898,548</u>
Interest and dividend income:		
Interest income	12,347,782	12,098,613
Dividend income	8,660,318	7,661,594
Total	<u>21,008,100</u>	<u>19,760,207</u>
Total investment (loss) income	<u>\$ (5,530,135)</u>	<u>\$ 164,658,755</u>

9. Fair Value Measurements

ASC 820, *Fair Value Measurements and Disclosures*, defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants. ASC 820 also specifies a fair value hierarchy based upon the observability of inputs used in valuation techniques. Observable inputs (highest level) reflect market data obtained from independent sources, while unobservable inputs (lowest level) reflect internally-developed market assumptions. In accordance with ASC 820, fair value measurements are classified using the following hierarchy:

Level 1 – Quoted prices for identical instruments in active markets.

Level 2 – Quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs or significant value-drivers are observable in active markets.

Level 3 – Model-derived valuations in which one or more significant inputs or significant value-drivers are unobservable.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

When available, quoted market prices are used to determine fair value and such measurements are classified within Level 1. In some cases where market prices are not available, observable market based inputs are used to calculate fair value, in which case the measurements are classified within Level 2. If quoted or observable market prices are not available, fair value is based upon internally-developed models that use, where possible, current market-based parameters such as interest rates, yield curves and currency rates. These measurements are classified within Level 3.

Fair value measurements are classified according to the lowest level input or value-driver that is significant to the valuation. A measurement may therefore be classified within Level 3 even though there may be significant inputs that are readily observable.

Valuation methodologies used for major investment types measured at fair value include:

Common and preferred stock – Valued at the closing price reported on the active market on which the individual securities are traded.

Fixed income securities – Certain securities are valued at the closing price reported on the active market on which the individual securities are traded. Other securities are valued based on yields currently available on comparable securities of issuers with similar credit ratings.

Commingled funds – Valued based upon the unit values of such collective trust funds held by the Master Trust at year end. Unit values are based on the fair value of the underlying assets of the fund derived from inputs principally from, or corroborated by, observable market data by correlation or other means.

Short-term investments – Valued at the quoted prices for similar assets or liabilities in active markets.

Real estate – Valued on the basis of a discounted cash flow approach, which includes the future rental receipts, expenses, and residual values as the highest and best use of the real estate from a market participant view as rental property.

Hedge funds – Valued based upon the unit values of such alternative investments held by the Master Trust at year end. Unit values are based on the fair value of the underlying assets of the fund.

Convertible securities – Valued at the quoted prices for similar assets or liabilities in active markets.

U.S. government securities – Certain securities are valued at the closing price reported on the active market on which the individual securities are traded. Other securities are valued based on yields currently available on comparable securities of issuers with similar credit ratings.

Cash and cash equivalents – Valued at the quoted prices for similar assets or liabilities in active markets.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The following table sets forth by level, within the fair value hierarchy, the investments of the Master Trust at fair value as of December 31, 2011:

	Balance at December 31, 2011	Basis of Fair Value Measurement		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Common and preferred stock				
Domestic	\$ 335,045,018	\$ 335,045,018	\$ --	\$ --
International	19,608,157	19,608,157	--	--
Fixed income securities				
Mortgage-backed securities	15,444,432	--	15,444,432	--
Asset-backed securities	2,897,031	--	2,897,031	--
Corporate bonds	126,548,436	--	126,548,436	--
Municipal bonds	6,322,994	--	6,322,994	--
Foreign government issued bonds	9,638,316	--	9,638,316	--
Commingled funds				
Domestic equity	130,169,872	130,169,872	--	--
International equity	396,753,471	396,753,471	--	--
Fixed income	185,259,592	--	185,259,592	--
Short-term investments	156,886	--	156,886	--
Real estate	51,148,988	--	--	51,148,988
Hedge funds	39,882,756	--	--	39,882,756
Convertible securities	795,625	--	795,625	--
U.S. government securities				
Agency securities	41,900,571	--	41,900,571	--
U.S. Treasury securities	57,523,176	57,523,176	--	--
Cash and cash equivalents	92,822,587	92,822,587	--	--
Total investments in Master Trust	<u>\$ 1,511,917,908</u>	<u>\$ 1,031,922,281</u>	<u>\$ 388,963,883</u>	<u>\$ 91,031,744</u>

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The following table sets forth by level, within the fair value hierarchy, the investments of the Master Trust at fair value as of December 31, 2010:

	Balance at December 31, 2010	Basis of Fair Value Measurement		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Common and preferred stock				
Domestic	\$ 346,201,911	\$ 346,201,911	\$ --	\$ --
International	27,702,868	27,702,868	--	--
Fixed income securities				
Mortgage-backed securities	17,863,950	--	17,863,950	--
Asset-backed securities	4,356,220	--	4,356,220	--
Corporate bonds	110,968,946	--	110,968,946	--
Municipal bonds	5,718,909	--	5,718,909	--
Foreign government issued bonds	3,473,021	--	3,473,021	--
Commingled funds				
Domestic equity	109,683,590	109,683,590	--	--
International equity	322,752,642	322,752,642	--	--
Fixed income	92,341,495	--	92,341,495	--
Short-term investments	201,316	--	201,316	--
Real estate	41,914,898	--	--	41,914,898
Convertible securities	1,425,181	--	1,425,181	--
U.S. government securities				
Agency securities	61,636,785	--	61,636,785	--
U.S. Treasury securities	41,001,258	41,001,258	--	--
Cash and cash equivalents	31,953,491	31,953,491	--	--
Total investments in Master Trust	<u>\$ 1,219,196,481</u>	<u>\$ 879,295,760</u>	<u>\$ 297,985,823</u>	<u>\$ 41,914,898</u>

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The following table sets forth a summary of changes in the fair value of the Master Trust Level 3 assets for the year ended December 31, 2011:

	Real Estate	Hedge Funds	Total
Balance, beginning of year	\$ 41,914,898	\$ - -	\$ 41,914,898
Realized gains	2,254,939	- -	2,254,939
Unrealized gains (losses) relating to instruments still held at the reporting date	7,006,641	(743,522)	6,263,119
Purchases, sales, issuances, and settlements			
Purchases	479,142	40,626,278	41,105,420
Sales	(506,632)	- -	(506,632)
Balance, end of year	<u>\$ 51,148,988</u>	<u>\$ 39,882,756</u>	<u>\$ 91,031,744</u>

Changes in Fair Value Levels – Management reviews the disclosures regarding fair value measurements annually at year end. If an instrument classified as Level 1 subsequently ceases to be actively traded, it is transferred out of Level 1. In such cases, instruments are reclassified as Level 2, unless the measurement of its fair value requires the use of significant unobservable inputs, in which case it is reclassified as Level 3.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

The Fair Value Measurements of the Investments in Certain Entities that Calculate Net Asset Value per Share as of December 31, 2011 are as follows:

	Fair Value	Unfunded Commitments	Remaining Life	Redemption Frequency (if currently eligible)	Trade to Settlement Terms	Redemption Notice Period
Commingled fund investing in Domestic Equity	\$ 130,169,872	—	N/A	daily, pending market condition	1 to 3 days	N/A
Commingled fund investing in International Equity	396,753,471	—	N/A	daily, pending market condition	1 to 3 days	N/A
Commingled fund investing in Fixed Income	185,259,592	—	N/A	daily, pending market condition	1 to 3 days	N/A
Hedge funds	<u>39,882,756</u>	—	N/A	daily, pending market condition	1 to 3 days	N/A
Total	<u>\$ 752,065,691</u>					

The preceding methods described may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Company believes its valuation methods are 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.

10. Related-Party Transactions

The Plan, through its interest in the Master Trust, holds shares of short-term investment and S&P Index funds managed by Mellon Capital, a subsidiary of Bank of New York Mellon, the Trustee of the Plan. These transactions fall under the definition of a party-in-interest transaction; however, the Company does not believe that they give rise to prohibited transactions under ERISA. Fees paid by the Company on behalf of the Plan for certain administrative costs were approximately \$31,049 in 2011. The Company has reviewed the administrative costs paid by the Company on behalf of the Plan during 2010 and such costs were not considered material to the Plan's financial statements.

CAIN CHEMICAL INC. PENSION PLAN

NOTES TO THE FINANCIAL STATEMENTS—(CONTINUED)

11. Commitments and Contingencies

The Plan is subject to commitments and contingencies arising from the ordinary course of business to which the Plan is a party. It is management's belief that the ultimate resolution of these commitments and contingencies will not have a material adverse impact on the Plan's financial statements.

12. Subsequent Events

The Company has evaluated subsequent events through August 7, 2012, the date the financial statements were available to be issued.

SCHEDULE SB (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>	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.	<small>OMB No. 1210-0110</small> 2011 This Form is Open to Public Inspection
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For calendar plan year 2011 or fiscal plan year beginning <u>01/01/2011</u> and ending <u>12/31/2011</u>	
▶ 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 Cain Chemical Inc. Pension Plan	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Equistar Chemicals, LP	D Employer Identification Number (EIN) 76-0550481
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>2011</u>			
2 Assets:			
a Market value	2a		33,244,041
b Actuarial value	2b		30,179,636
3 Funding target/participant count breakdown:		(1) Number of participants	(2) Funding Target
a For retired participants and beneficiaries receiving payment.....	3a	589	30,828,046
b For terminated vested participants	3b	364	7,351,640
c For active participants:			
(1) Non-vested benefits.....	3c(1)		659,824
(2) Vested benefits	3c(2)		5,273,106
(3) Total active.....	3c(3)	188	5,932,930
d Total.....	3d	1,141	44,112,616
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		6.20 %
6 Target normal cost	6		312,934

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	 Signature of actuary	 Date
	Penny Bailey	11-05451
	Type or print name of actuary	Most recent enrollment number
	Mercer	(314) 588-2500
	701 Market Street, Suite 1100	Telephone number (including area code)
	St. Louis	
	MO 63101-1867	
	Address of the firm	

Part II Beginning of year carryover and prefunding balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	2, 055, 344	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	1, 599, 749	0
9	Amount remaining (line 7 minus line 8).....	455, 595	0
10	Interest on line 9 using prior year's actual return of <u>14.25</u> %.....	64, 922	
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38 from prior year)		0
b	Interest on (a) using prior year's effective rate of <u>6.63</u> % except as otherwise provided (see instructions).....		0
c	Total available at beginning of current plan year to add to prefunding balance.....		0
d	Portion of (c) to be added to prefunding balance.....		
12	Other reductions in balances due to elections or deemed elections.....		
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12).....	520, 517	0

Part III Funding percentages			
14	Funding target attainment percentage	14	67.23 %
15	Adjusted funding target attainment percentage	15	67.23 %
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	83.20 %
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	68.41 %

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
07/13/2011	350, 000				
10/13/2011	317, 300				
12/01/2011	13, 000, 000				
01/12/2012	400, 000				
07/12/2012	1, 570, 000				
			Totals •	18(b)	15, 637, 300
				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	14, 753, 691
20 Quarterly contributions and liquidity shortfalls:		
a Did the plan have a "funding shortfall" for the prior year?	☒ Yes ☐ No	
b If 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☒ Yes ☐ No	
c If 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: 3.78 %	2nd segment: 6.31 %	3rd segment: 6.57 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 4
22 Weighted average retirement age				22 59
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 eligible for (and is using) 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	312,934	
b Excess assets, if applicable, but not greater than 31a	31b		
32 Amortization installments:			
a Net shortfall amortization installment.....	Outstanding Balance 14,453,497	Installment 2,634,481	
b Waiver amortization installment.....			
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	2,947,415	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	520,517		520,517
36 Additional cash requirement (line 34 minus line 35).....	36	2,426,898	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	37	14,753,691	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	12,326,793	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	520,517	
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 a shortfall amortization base is being amortized pursuant to an alternative amortization schedule:			
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 SB, Line 22 — Description of Weighted Average Retirement Age

Each employee is assumed to retire in accordance with the table of retirement rates. The proportion of employees expected to retire at each potential retirement age is shown below. The average retirement age is 59.

(A) Retirement age	(B) Retirement Percent	(C) Lx	(D) Number of employees expected to retire (B) x (C)	(E) (A) x (D)
55	25%	1000	250	13750
56	10%	750	75	4200
57	10%	675	68	3876
58	10%	607	61	3538
59	10%	546	55	3245
60	30%	491	147	8820
61	15%	344	52	3172
62	50%	292	146	9052
63	30%	146	44	2772
64	30%	102	31	1984
65	100%	71	71	4615
Total				59024
Average				59.02

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Actuarial assumptions**

Discount rate sponsor elections	<u>Funding</u>
▪ Segment rates or full yield curve	Segment
▪ Look-back months	4
▪ First 5 years	3.78%
▪ Next 15 years	6.31%
▪ Over 20 years	6.57%
Mortality sponsor elections	
▪ Healthy participants	Section 430(h)(3) prescribed separate static annuitant and nonannuitant mortality tables. These tables are based on the RP-2000 mortality tables projected with mortality improvement to the valuation year plus 7 and 15 years based on Scale AA.
▪ Pre-1995 disabilities	Same as healthy participants.
▪ Post-1994 disabilities	Same as healthy participants.
417(e) lump sums	N/A
Other economic assumptions	
▪ Salary increases	N/A
▪ Flat-dollar benefit increases	N/A
▪ Social Security wage base	N/A
▪ Inflation	3.00% per year
▪ Expected investment return	8.00% per year for years 2009 through 2011
▪ Expenses	Expected administrative expenses (assumed to equal prior year administrative expenses but adjusted for PBGC variable premium, with current year PBGC variable premiums replacing prior year) discounted to beginning of year are included in normal cost.
Demographic assumptions	
Withdrawal	See table of sample rates.
Disability incidence	1987 Commissioners Group Disability Table – 2 year incidence rates. See table of sample rates.
Retirement age	See table of sample rates.

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

Benefit commencement age for

- Future and current vested deferred 65
- Future disabled participants Immediately
- Current disabled participants 65

Spouse assumptions

Male participantsFemale participants

- Percentage married 80% 80%
- Spouse age difference 3 years younger 3 years older

Form of payment – MalesLife annuity85% J&S50% J&S100% J&S

- Active retirements 30% 70% 0% 0%
- Future vested deferred 30% 70% 0% 0%
- Future disabilities 30% 70% 0% 0%
- Future deaths
 - < 15 years of service 0% 0% 100% 0%
 - ≥ 15 years of service 0% 0% 0% 100%
- Current vested deferred 30% 70% 0% 0%

Unpredictable contingent event assumptions N/A**At-risk assumptions**

- Special retirement rates Active and deferred participants who are eligible for immediate retirement and withdrawal benefits in the first 11 plan years are assumed to 100% retire in the first year of eligibility following the valuation year.
- Most valuable form of payments Participants who have not yet commenced benefits are assumed to take a single life annuity.

Table of sample rates

Attained age	Percentage		
	Disability		Withdrawal
	Male	Female	
20	.042%	.050%	15.0%
25	.050	.062	12.5
30	.064	.091	10.0
35	.089	.145	7.5

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

40	.139	.203	5.0
45	.257	.326	4.0
50	.507	.546	3.0
55	.958	.849	2.5
60	1.472	1.094	2.0

Attained age	Percentage Retirement
55	25%
56	10
57	10
58	10
59	10
60	30
61	15
62	50
63	30
64	30
65	100

Actuarial methods**Asset methods – effective January 1, 2009**

The asset valuation method is an average of the adjusted market value for each year during the last 2 years preceding the valuation date. The adjusted market value is the market value at each determination date adjusted to the valuation date based on actual cash flows and expected interest at the lesser of the expected rate of return and the third segment rate. This amount is adjusted to be no greater than 110 percent and no less than 90 percent of the fair market value, as defined in IRC Section 430.

A characteristic of this asset method is that, over time, it is slightly more likely to produce an actuarial value of assets that is less than the market value of assets than an actuarial value that is greater than the market value.

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods**Participant methods – effective January 1, 2008**

Participants or former participants are included or excluded from the valuation as described below:

- **Participants included:** The plan sponsor provides us with data on all employees as of the valuation date, but only those employees who have completed the plan's eligibility requirements are included in the valuation of liabilities.
- **Participants excluded:** No actuarial liability is included for nonvested participants who terminated prior to the valuation date. For this purpose, participants with a break in service on the valuation date are treated as terminated participants.
- **Insurance contracts:** The plan does not have any insurance contracts.

Minimum funding methods – effective January 1, 2008

The funding target for minimum funding calculations is computed using the traditional unit credit method of funding. The objective under this method is to fund each participant's benefits under the plan as they accrue. Thus, the total pension to which each participant is expected to become entitled at retirement is broken down into units, each associated with a year of past or future credited service.

A detailed description of the calculation follows:

- The plan's valuation date is the beginning of the plan year.
- An individual's **funding target** is the present value of future benefits based on credited service and average pay as of the beginning of the plan year, and an individual's **target normal cost** is the present value of the benefit expected to accrue in the plan year. If multiple decrements are used, the funding target and the target normal cost for an individual is the sum of the component funding targets and target normal costs associated with the various anticipated separation dates.
- The plan's **target normal cost** is the sum of the individual target normal costs and the plan's **funding target** is the sum of the individual funding targets for all participants under the plan.

Maximum deductible contribution method – effective January 1, 2008

Calculations of maximum deductible contributions include the excess of the funding target computed using the projected unit credit method over the minimum funding target. The objective of the projected unit credit method is to fund each participant's benefits under the plan as they accrue, taking into consideration expected future compensation increases. Thus, the total pension to which each participant is expected to become entitled at retirement is broken down into units, each associated with a year of past or future credited service.

A detailed description of the calculation follows:

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

- An individual's **projected funding target** is the present value of benefits based on credited service as of the beginning of the plan year and projected compensation that would be used in the calculation of the benefit on each expected separation date. If multiple decrements are used, the projected funding target for an individual is the sum of the component projected funding targets associated with the various anticipated separation dates.
- The plan's **projected funding target** is the sum of the projected funding targets for all participants under the plan. The excess of the plan's projected funding target over the plan's funding target is included in the "cushion amount".

Schedule SB, Part V — Summary of Plan Provisions

Effective date and plan year	Effective April 30, 1987, restated December 31, 2006. Updated and last amended effective January 1, 2010. The plan year is the calendar year.
Status of the plan	The plan has frozen benefit accruals and new employees are not eligible to participate in the plan.
Eligibility	All nonunion employees of Cain Chemical, Inc. as of the plan effective date. Thereafter, any employee will become a participant upon the first of the month on or after the latest of: (a) the effective date; (b) the date he becomes an eligible employee; or (c) the date the employee attains age 21. No employee will become a participant in this plan after the plan freeze date of July 31, 1988.
Definitions	
Normal retirement age	The first day of the month on or following the participant's 65 th birthday.
Early retirement age	Age 50 with 15 years of vesting service or age 55 with 5 years of vesting service.
Vesting service	Full year is credited for any plan year during which a participant has completed at least 1,000 hours of service.
Benefit service	Service amount was frozen as of July 31, 1988 and credited according to provisions of participant's prior plan.
Accrued benefit	<p>Effective July 31, 1988, the plan was frozen and no future accrual of benefits is allowed. Furthermore, all participants were fully vested in their accrued benefits. Prior to the July 31, 1988 freeze of the plan, the benefit accrued as follows:</p> <p>Annual benefit equal to the greater of A, B, or C, where:</p> <p>A = 1.2% of final average pay times benefit service</p> <p>B = 1.5% of final average pay times benefit service less 50% of the Primary Social Security Benefit</p> <p>C = \$108 times years of benefit service plus 2/3% of final average pay times years of benefit service (maximum of 15).</p> <p>Benefits are reduced by any prior plan offsets.</p> <p>For each participant who was employed by the employer on July 31, 1988, an additional benefit of 0.5% times benefit service greater than 10 years times final average pay under \$55,000 was added to his accrued benefit.</p>
Normal retirement	
Eligibility	Attainment of normal retirement age.
Benefit	The accrued benefit determined at retirement.

Schedule SB, Part V — Summary of Plan Provisions

Late retirement										
Eligibility	Retirement after attainment of normal retirement age.									
Benefit	The accrued benefit determined at retirement.									
Early retirement										
Eligibility	Attainment of early retirement age.									
Benefit	The accrued benefit determined at early retirement age reduced according to the table below:									
	Vesting service years									
	Age	5 to 14	15 to 20	21	22	23	24	25	26	27+
	65	100%	100%							
	64	95	95	100%						
	63	90	90	95	100%					
	62	85	85	90	95	100%				
	61	80	80	85	90	95	100%			
	60	75	75	80	85	90	95	100%		
	59	70	70	75	80	85	90	95	100%	
	58	65	65	70	75	80	85	90	95	100%
	57	60	60	65	70	75	80	85	90	95
	56	55	55	60	65	70	75	80	85	90
	55	50	50	55	60	65	70	75	80	85
	54	N/A	50	50	55	60	65	70	75	80
	53	N/A	50	50	50	55	60	65	70	75
	52	N/A	50	50	50	50	55	60	65	70
	51	N/A	50	50	50	50	50	55	60	65
	50	N/A	50	50	50	50	50	50	55	60
	For intermediate age and service combinations, the percentage factor should be interpolated.									
Deferred vested										
Eligibility	All participants as of July 31, 1988 became fully vested in their accrued benefit.									
Benefit	Vested portion of the accrued benefit payable based on the amount of service at termination as shown in the table below:									
					Age when payment may begin					
	Years of vesting service				Reduced benefit			Unreduced benefit		
	Less than 5				Not available			65 and over		

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5 through 14	55 through 64	65 and over
15 through 29	50 through 64	65 and over
30 or more	50 through 59	60 and over

The benefit is reduced 5/12% per month by which the payments precede the time at which the participants are eligible for unreduced vested retirement benefits.

Preretirement surviving spouse's benefit

Eligibility	Death after attainment of vesting but prior to the commencement of benefits.
Benefit	The spouse's benefit is equal to the benefit that would have been payable had the participant retired just before death and elected a 50% joint and survivor annuity. This is payable on the date the participant would have been eligible for retirement, reduced for early commencement.

Special surviving spouse's benefit

Eligibility	Death while in active service with 15 years of vesting service or death of a participant who retired from active service with 15 years of vesting service.
Annual benefit	<p>An employer-provided pension benefit will be payable to the specific survivor (spouse, minor children, parents or stepparents in given order) for that survivor's life (or until attainment of age 21 if beneficiary is a minor child). The benefit will be equal to 0.5% of the participant's average monthly compensation multiplied by years of benefit service but not less than \$4 per year of benefit service plus 4% of average monthly compensation. This benefit will be reduced if the survivor is more than five years younger than the participant, or in the case of a retiree, if the retirement benefit has been reduced on account of early retirement.</p> <p>In the event that a spouse qualifies for both the Preretirement Surviving Spouse's Benefit and the Special Surviving Spouse's Benefit, the spouse would receive the larger benefit.</p>

Disability

Eligibility	Total and permanent disability with 15 years of vesting service.
Benefit	Immediate commencement of the participant's accrued benefit plus a supplement equal to the greater of 50% of the Primary Social Security Benefit or \$90 per month. The supplement is only payable until Social Security benefits become payable.

Other provisions

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Normal form of payment	Surviving spouse and disability benefits are payable only as described above. Monthly pension benefits are paid in the form of a life annuity if the member has no spouse as of the date payments begin, or if the participant so elects. Otherwise, benefits are paid under the 50% joint and survivor option.
Optional forms of payment	Single life annuity. Joint & survivor annuity (100%, 75% and 50%). Social Security income-leveling option based on age 62 commencement of Social Security benefits.
Actuarial equivalence for optional forms of payment	1984 Unisex Pension mortality table set back 2 years and an interest rate of 6.50% - for all forms except SSLIO. For SSLIO, use PPA mortality and interest rates equal to the average of the 3-tiered minimum present value segment rates for the third, fourth and fifth months immediately preceding the first day of the calendar quarter during which the benefit commences, reflecting the appropriate phase-ins.

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Plan provisions

Benefits included or excluded

Unless noted below, all benefits provided by the plan, as restated and amended through the Instrument Amending the Cain Chemical Inc. Pension Plan, signed on December 22, 2009, are included in this valuation.

- **Most recent plan amendments included:** The Instrument Amending the Cain Chemical Inc. Pension Plan, signed on December 22, 2009, is included because it was adopted by the valuation date and is effective by the end of the plan year.
- **Plan amendments excluded:** No amendments were excluded from this valuation.
- **IRC Section 436 benefit restrictions:**
 - *Unpredictable contingent event benefits:* This valuation excludes restricted contingent event benefits that occurred before the valuation date but includes contingent event benefits which are expected to occur on or after the valuation date regardless of anticipated funding-based limitations.
 - *Plan amendments:* See above.
 - *Prohibited payments:* Limitations on prohibited benefits (if any) are reflected for annuity starting dates before the valuation date but are ignored for annuity starting dates on or after the valuation date.
 - *Benefit accruals:* The plan's funding target does not reflect any limitation on benefit accruals. The target normal cost does not reflect any limitation on benefit accruals.
- **Late retirement increases:**
 - Active participants: The plan provides benefit suspension notices to participants who work beyond normal retirement. The Plan distributes benefits to active participants who work beyond age 70 ½.
 - Deferred vested participants: Current deferred vested participants over normal retirement age are not valued including the late retirement actuarial increases. The Plan distributes benefits to all deferred vested participants upon attaining age 65.
- **Unpredictable contingent event benefits:** The plan does not have any unpredictable contingent event benefits.
- **IRC Section 415(b) benefit limitations:** The limitations of Internal Revenue Code Section 415(b) have been incorporated into our calculations.

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- **IRC Section 416 rules for top-heavy plans:** We did not test whether this plan is top-heavy (when the present value of benefits for key employees equals or exceeds 60 percent of the present value for all participants). However, we expect that the plan is not top-heavy due to the large number of rank-and-file participants; therefore, the funding target and target normal cost do not reflect any liability for top-heavy accruals.

Schedule SB, Line 26 — Schedule of Active Participant Data

Age	Years of service as of January 1, 2011										Total
	< 1	1 - 4	5 - 9	10 - 14	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40+	
< 25											
25 – 29											
30 - 34											
35 - 39											
40 - 44											
45 - 49						3	3				6
50 - 54						11	29	26			66
55 - 59				1		7	27	38	6	1	80
60 - 64						2	10	17	2	1	32
65 - 69			1				2	1			4
70+											
Total			1	1		23	71	82	8	2	188

Schedule SB, Line 32 — Schedule of Amortization Bases**Shortfall amortization charge**

The total shortfall amortization charge is the sum of the individual shortfall amortization installment for each plan year covered under PPA. Although an individual shortfall amortization installment can be negative, the combined shortfall amortization charge cannot be less than \$0.

Shortfall bases					
Year established		Outstanding balance	Years remaining	2011 Installment	
2009	\$	3,935,855	5	\$	846,639
2010		2,711,350	6		503,479
2011		7,806,292	7		1,284,363
Total	\$	14,453,497		\$	2,634,481