

Form 5500-SF Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Short Form Annual Return/Report of Small Employee Benefit Plan This form is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA), and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500-SF.	OMB Nos. 1210-0110 1210-0089 <div style="border: 1px solid black; text-align: center; padding: 5px; font-weight: bold; font-size: 1.2em;">2013</div> This Form is Open to Public Inspection
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Part I Annual Report Identification Information			
For calendar plan year 2013 or fiscal plan year beginning <u>01/01/2013</u> and ending <u>12/31/2013</u>			
A	This return/report is for:	☒ a single-employer plan ☐ a multiple-employer plan (not multiemployer) ☐ a one-participant plan	
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	Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ DFVC program	
		☐ special extension (enter description)	

Part II Basic Plan Information—enter all requested information			
1a	Name of plan <u>THE ERACHEM COMILOG, INC. BALTIMORE PLANT BARGAINING UNIT EMPLOYEES PENSION PLAN</u>	1b	Three-digit plan number (PN) ▶ <u>003</u>
		1c	Effective date of plan <u>07/01/1978</u>
2a	Plan sponsor's name and address; include room or suite number (employer, if for a single-employer plan) <u>ERACHEM COMILOG, INC.</u> <u>610 PITTMAN ROAD</u> <u>BALTIMORE, MD 21226</u>	2b	Employer Identification Number (EIN) <u>52-1272156</u>
		2c	Sponsor's telephone number <u>410-789-8800</u>
		2d	Business code (see instructions) <u>325300</u>
3a	Plan administrator's name and address ☒ Same as Plan Sponsor Name ☐ Same as Plan Sponsor Address	3b	Administrator's EIN
		3c	Administrator's telephone number
4	If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN, and the plan number from the last return/report.	4b	EIN
a	Sponsor's name	4c	PN
5a	Total number of participants at the beginning of the plan year	5a	<u>99</u>
b	Total number of participants at the end of the plan year	5b	<u>94</u>
c	Number of participants with account balances as of the end of the plan year (defined benefit plans do not complete this item).....	5c	
6a	Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.).....	☒ Yes	☐ No
b	Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.).....	☒ Yes	☐ No
If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.			
c	If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)?	☒ Yes	☐ No ☐ Not determined

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, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/14/2014	FRANCOIS-GUILAUME LEJARS
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
Preparer's name (including firm name, if applicable) and address; include room or suite number (optional)			Preparer's telephone number (optional)

Part III Financial Information

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	6608293	7098347
b Total plan liabilities	7b	0	0
c Net plan assets (subtract line 7b from line 7a)	7c	6608293	7098347
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	200000	
(2) Participants	8a(2)	0	
(3) Others (including rollovers)	8a(3)	0	
b Other income (loss)	8b	668143	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		868143
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	295743	
e Certain deemed and/or corrective distributions (see instructions)	8e	0	
f Administrative service providers (salaries, fees, commissions)	8f	82346	
g Other expenses	8g	0	
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		378089
i Net income (loss) (subtract line 8h from line 8c)	8i		490054
j Transfers to (from) the plan (see instructions)	8j	0	

Part IV Plan Characteristics

9a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:
1B 3H 1I

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

Part V Compliance Questions

10 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? (See instructions and DOL's Voluntary Fiduciary Correction Program)	10a	X	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b	X	
c Was the plan covered by a fidelity bond?	10c	X	500000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d	X	
e Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.)	10e	X	
f Has the plan failed to provide any benefit when due under the plan?	10f	X	
g Did the plan have any participant loans? (If "Yes," enter amount as of year end.)	10g	X	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h	X	
i If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3	10i		

Part VI Pension Funding Compliance

11 Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and line 11a below)	☒ Yes ☐ No
11a Enter the unpaid minimum required contribution for current year from Schedule SB (Form 5500) line 39	11a 0
12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? .. (If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.)	☐ Yes ☒ No
a 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 letter ruling granting the waiver. Month Day Year	
If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.	
b Enter the minimum required contribution for this plan year	12b

c Enter the amount contributed by the employer to the plan for this plan year	12c	
d Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount).....	12d	
e Will the minimum funding amount reported on line 12d be met by the funding deadline?	☐ Yes ☐ No ☐ N/A	

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year?	☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year	13a
b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	☐ Yes ☒ No
c 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.)	
13c(1) Name of plan(s):	13c(2) EIN(s)
	13c(3) PN(s)

Part VIII Trust Information (optional)

14a Name of trust	14b Trust's EIN

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 2013 This Form is Open to Public Inspection
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For calendar plan year 2013 or fiscal plan year beginning 01/01/2013 and ending 12/31/2013

▶ **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>THE ERACHEM COMILOG, INC. BALTIMORE PLANT BARGAINING UNIT EMPLOYEES 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>ERACHEM COMILOG, INC.</u>	D Employer Identification Number (EIN) <u>52-1272156</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>2013</u>	
2 Assets:	
a Market value	2a <u>6619523</u>
b Actuarial value	2b <u>6379058</u>
3 Funding target/participant count breakdown:	
a For retired participants and beneficiaries receiving payment.....	3a <u>43</u> <u>2910189</u>
b For terminated vested participants.....	3b <u>29</u> <u>774986</u>
c For active participants:	
(1) Non-vested benefits	3c(1) <u>89728</u>
(2) Vested benefits	3c(2) <u>2359714</u>
(3) Total active.....	3c(3) <u>27</u> <u>2449442</u>
d Total.....	3d <u>99</u> <u>6134617</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>6.25</u> %
6 Target normal cost	6 <u>160436</u>

Statement by Enrolled Actuary

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

SIGN HERE		<u>10/08/2014</u>
	Signature of actuary	Date
<u>EMILY S. ADKINS</u>	Type or print name of actuary	<u>14-07401</u>
		Most recent enrollment number
<u>TOWERS WATSON DELAWARE, INC.</u>	Firm name	<u>216-937-4000</u>
		Telephone number (including area code)
<u>1001 LAKESIDE AVENUE</u> <u>SUITE 1900</u> <u>CLEVELAND, OH 44114</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) 2013
v. 130118

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)	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	0
10 Interest on line 9 using prior year's actual return of <u>14.51</u> %		
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		388441
b Interest on (a) using prior year's effective interest rate of <u>6.95</u> % except as otherwise provided (see instructions)		26997
c Total available at beginning of current plan year to add to prefunding balance		415438
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	0

Part III Funding Percentages		
14 Funding target attainment percentage	14	103.98 %
15 Adjusted funding target attainment percentage	15	103.98 %
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	97.20 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

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
07/11/2014	200000	0			
			Totals ►	18(b)	200000
				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	182308
20 Quarterly contributions and liquidity shortfalls:		
a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No		
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No		
c If line 20a is "Yes," see instructions and complete the following table as applicable:		

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

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

21 Discount rate:				
a Segment rates:	1st segment: 4.94%	2nd segment: 6.15%	3rd segment: 6.76 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 4
22 Weighted average retirement age				22 62
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute				

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):												
a Target normal cost (line 6).....	31a	160436										
b Excess assets, if applicable, but not greater than line 31a	31b	160436										
32 Amortization installments:	<table border="1"> <thead> <tr> <th></th> <th>Outstanding Balance</th> <th>Installment</th> </tr> </thead> <tbody> <tr> <td>a Net shortfall amortization installment.....</td> <td>0</td> <td>0</td> </tr> <tr> <td>b Waiver amortization installment</td> <td></td> <td>0</td> </tr> </tbody> </table>				Outstanding Balance	Installment	a Net shortfall amortization installment.....	0	0	b Waiver amortization installment		0
	Outstanding Balance	Installment										
a Net shortfall amortization installment.....	0	0										
b Waiver amortization installment		0										
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33	0										
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)...	34	0										
		Carryover balance	Prefunding balance									
35 Balances elected for use to offset funding requirement.....	0	0	0									
36 Additional cash requirement (line 34 minus line 35).....	36	0										
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	37	182308										
38 Present value of excess contributions for current year (see instructions)												
a Total (excess, if any, of line 37 over line 36)	38a	182308										
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0										
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0										
40 Unpaid minimum required contributions for all years	40	0										

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

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

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Erachem Comilog, Inc.
EIN/PN	52-1272156/003
Plan Name	The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
Valuation Date	January 1, 2013
Enrolled Actuary	Emily S. Adkins
Enrollment Number	14-07401

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

Plan Name:	The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
EIN / PN:	52-1272156 / 003
Plan Sponsor:	Erachem Comilog, Inc.
Valuation Date:	January 1, 2013

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22 Description of Weighted Average Retirement Age as of January 1, 2013

See Schedule SB Part V, Statement of Actuarial Assumptions and Methods for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

x	q_x^r	l_x	${}_{x-55}P_{55} = l_x / l_{55}$	$q_x^r * l_x / l_{55}$	$x * q_x^r * l_x / l_{55}$
55	0.02	1,000,000	1.000000	0.020000	1.100000
56	0.02	980,000	0.980000	0.019600	1.097600
57	0.03	960,400	0.960400	0.028812	1.642284
58	0.05	931,588	0.931588	0.046579	2.701582
59	0.05	885,009	0.885009	0.044250	2.610750
60	0.10	840,758	0.840758	0.084076	5.044560
61	0.10	756,682	0.756682	0.075668	4.615748
62	0.45	681,014	0.681014	0.306456	19.000272
63	0.45	374,558	0.374558	0.168551	10.618713
64	0.45	206,007	0.206007	0.092703	5.932992
65	1.00	113,304	0.113304	0.113304	7.364760

Average age at retirement

61.729261

Rounded for Schedule SB Line 22

62

Plan Name:	The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
EIN / PN:	52-1272156 / 003
Plan Sponsor:	Erachem Comilog, Inc.
Valuation Date:	January 1, 2013

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26 Schedule of Active Participant Data as of January 1, 2013

Attained Age	Years of Credited Service																			
	Under 1		1 to 4		5 to 9		10 to 14		15 to 19		20 to 24		25 to 29		30 to 34		35 to 39		40 & Over	
	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.	No.	Avg. Comp.
Under 25	0		0		0		0		0		0		0		0		0		0	
25 - 29	0		0		0		0		0		0		0		0		0		0	
30 - 34	0		0		0		0		0		0		0		0		0		0	
35 - 39	0		0		0		0		0		0		0		0		0		0	
40 - 44	0		0		0		0		0		0		0		0		0		0	
45 - 49	0		0		0		0		1		0		2		0		0		0	
50 - 54	0		0		0		0		5		0		0		0		0		0	
55 - 59	0		0		0		0		3		2		2		0		0		0	
60 - 64	0		0		0		1		1		2		1		0		4		2	
65 - 69	0		0		0		0		1		0		0		0		0		0	
70 & Over	0		0		0		0		0		0		0		0		0		0	

Plan Name: The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
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 Plan Sponsor: Erachem Comilog, Inc.
 Valuation Date: January 1, 2013

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/Methods

The following pages from the 2013 actuarial valuation report provide information on actuarial assumptions and methods for Part V of Schedule SB.

Plan Name: The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
EIN / PN: 52-1272156 / 003
Plan Sponsor: Erachem Comilog, Inc.
Valuation Date: January 1, 2013

SCHEDULE SB ATTACHMENTS

Appendix A - Statement of actuarial assumptions and methods

Interest rate basis:

- Applicable month September
- Interest rate basis 3-Segment Rates

Interest rates:

	Reflecting Corridors	Not Reflecting Corridors
● First segment rate	4.94%	1.75%
● Second segment rate	6.15%	4.62%
● Third segment rate	6.76%	5.72%
● Effective interest rate	6.25%	4.81%

Inclusion date

The valuation date coincident with or next following the date on which the employee becomes a participant.

Plan-related expenses

The amount included this year for plan-related expenses is \$82,612. Plan-related expenses are estimated using prior year's actual administrative expenses paid from the trust.

Mortality

For all participants: The prescribed mortality assumption under IRC §430(h)(3)(A) using static tables with separate mortality rates for annuitants and non-annuitants.

Disabled mortality

For all participants: The prescribed mortality assumption under IRC §430(h)(3)(A) using static tables with separate mortality rates for annuitants and non-annuitants.

Plan Name: The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
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Valuation Date: January 1, 2013

SCHEDULE SB ATTACHMENTS

Retirement

The following rates have been utilized as the assumed incidence of retirement:

Attained Age	Rate
55	2%
56	2
57	3
58	5
59	5
60	10
61	10
62	45
63	45
64	45
65 & Older	100

Disability rates

The rates at the following ages illustrate the incidence of disability assumed:

Annual Rate of Disability (per 1,000 lives)		
Attained Age	Males	Females
25	.93	.96
35	1.99	2.52
45	5.05	5.22
55	15.02	14.90

Compensation increases

Not applicable.

Future increases in social security

Not applicable.

Plan Name: The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
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Valuation Date: January 1, 2013

SCHEDULE SB ATTACHMENTS

Future increases in maximum benefits and plan compensation limitations

Accrued benefits projected to be paid in future years are limited to the maximum presently allowed under IRC §415. Plan compensation is limited to the maximum presently allowed under IRC §401(a)(17). No provision is made for future increases in the maximum annual benefit or compensation limit.

Representative termination rates not due to disability, retirement or mortality

Annual Rate of Withdrawal		
Attained Age	Males	Females
20	.074	.125
25	.049	.074
30	.034	.049
35	.024	.034
40	.013	.024
45	.007	.013
50	Nil	.007
55	Nil	Nil
60 and over	Nil	Nil

Form of payment

Participants are assumed to elect the normal form.

Marriage

For purposes of valuing the pre-retirement surviving spouse's benefit, 85% of eligible participants are assumed to be married and male spouses are assumed to be three years older than female spouses.

Employees

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

Plan compensation

Not applicable.

Plan Name: The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
EIN / PN: 52-1272156 / 003
Plan Sponsor: Erachem Comilog, Inc.
Valuation Date: January 1, 2013

SCHEDULE SB ATTACHMENTS

Cash flow

Timing of benefit payments: Annuity payments are payable monthly at the beginning of the month.

Valuation date

First day of plan year.

Funding target

Present value of accrued benefits.

Target normal cost

Present value of benefits expected to accrue during plan year plus plan-related expenses expected to be paid from plan assets during plan year.

Asset methods

Average of the fair market value of assets on the valuation date and the two immediately preceding valuation dates, adjusted for contributions, benefits, administrative expenses and expected earnings of 7.50% (with such expected earnings limited as described in IRS Notice 2009-22). The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the 2012 plan year). The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.

Benefits not valued

All benefits described in the Plan Provisions section of this report were valued.

Participant data

Employee data was supplied on a listing as of the valuation date. Data on persons receiving benefits was supplied on a listing from the employer.

Plan Name:	The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
EIN / PN:	52-1272156 / 003
Plan Sponsor:	Erachem Comilog, Inc.
Valuation Date:	January 1, 2013

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Summary of Plan Provisions

The following pages from the 2013 actuarial valuation report provide information on plan provisions for Part V of Schedule SB.

Plan Name:	The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
EIN / PN:	52-1272156 / 003
Plan Sponsor:	Erachem Comilog, Inc.
Valuation Date:	January 1, 2013

SCHEDULE SB ATTACHMENTS

Appendix B – Summary of plan provisions

Effective date and most recent amendment

Amended and restated effective January 1, 2011.

Plan year

The twelve-month period ending December 31.

Coverage and participation

Each employee at the location actively employed within the Bargaining Unit participates immediately upon the earlier of attainment of full-time status or age 21.

Credited service

Continuous Service:

One year is credited for each Plan Year as governed by the terms of the basic collective bargaining agreement between the company and the Union for the purposes of determining seniority.

Credited Service:

One year is credited for each Plan Year computed on an elapsed-time basis.

Benefit Service:

One year is credited for each Plan Year computed on an elapsed-time basis, rounded to the nearest 1/12.

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SCHEDULE SB ATTACHMENTS

Normal retirement benefit

Eligible at the later of age 65 and the fifth anniversary of plan participation.

A monthly pension, if paid on a straight-life basis, equal to years of Benefit Service multiplied by the appropriate benefit unit:

Date of Retirement	Benefit Unit
Prior to 12/01/1989	\$16.00
12/01/1989 through 11/30/1990	17.00
12/01/1990 through 11/22/1992	18.00
11/23/1992 through 11/22/1993	19.00
11/23/1993 through 11/22/1994	20.00
11/23/1994 through 12/15/1995	21.00
12/16/1995 through 11/22/1996	22.00
11/23/1996 through 11/22/1997	23.00
11/23/1997 through 12/31/1999	25.00
1/1/2000 through 12/31/2000	27.00
1/1/2001 through 12/31/2001	28.00
1/1/2002 through 12/31/2002	29.00
1/1/2003 through 12/31/2003	30.00
1/1/2004 through 12/31/2007	33.00
1/1/2008	36.00

The benefit determined above is offset by \$8.00 times years of Benefit Service to June 9, 1978, for former vested employees of Diamond Shamrock Corporation.

Early retirement benefit

Eligible at age 55 and 10 years of Continuous Service.

The accrued normal retirement benefit is payable at age 62 or, alternatively, payable immediately in an actuarially reduced amount.

Disability benefit

Eligible upon total and permanent disability after 15 years of Continuous Service.

The accrued normal retirement benefit is payable immediately. The benefit is recalculated annually to reflect additional benefit service granted during the term of the disability.

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Plan Sponsor: Erachem Comilog, Inc.
Valuation Date: January 1, 2013

SCHEDULE SB ATTACHMENTS

Vested benefits upon termination of service

Eligible after 5 years of Credited Service.

The accrued normal retirement benefit is payable at age 62 or, with 10 years of Continuous Service, is payable as early as age 55 in an actuarially reduced amount.

Death benefits for participants in active service

An employee may elect to receive a reduced benefit so that a benefit will be paid to his spouse if he should die prior to retirement but after completion of 5 years of Credited Service, provided that the employee has been married to his current spouse for at least one year.

If the employee dies while eligible for early retirement, the surviving spouse will receive 50% of the benefit that would have been paid if the employee had retired on the day prior to his death and elected an immediate straight-life benefit. If death occurs prior to eligibility for early retirement, the surviving spouse will receive the benefit that would have been paid had the employee terminated on the day of his death, survived to the earliest age for retirement, retired under the 50% Joint & Survivor option, and then died.

Optional forms of retirement income in lieu of normal form

An employee may elect to receive his benefit on a straight-life basis or on an actuarially equivalent 50%, 75% or 100% Joint and Survivor basis. Unless otherwise elected, any benefit payable under the Plan shall be paid on a 50% Joint and Survivor basis, if the employee is then married or on a straight-life basis otherwise. If the present value of the participant's retirement benefit does not exceed \$15,000, it may be paid in a lump sum. Actuarial equivalence is based on the RP 2000 Blended Table and 6.0% interest except for lump sums which are based on 417(e) applicable interest rates and mortality.

Maximum on benefits and pay

All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in the dollar limits are not assumed for determining contributions.

Future plan changes

No future plan changes were recognized in determining minimum and maximum contributions.

Plan participants' contributions

They are not required or permitted.

Plan Name: The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
EIN / PN: 52-1272156 / 003
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Valuation Date: January 1, 2013

SCHEDULE SB ATTACHMENTS

Changes in plan provisions since last actuarial valuation

There have been no changes in principle plan provisions since the prior funding report. To our knowledge, no changes are pending.

Plan Name: The Erachem Comilog, Inc. Baltimore Plant Bargaining Unit Employees Pension Plan
EIN / PN: 52-1272156 / 003
Plan Sponsor: Erachem Comilog, Inc.
Valuation Date: January 1, 2013

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.	OMB No. 1210-0110 2013 This Form is Open to Public Inspection
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For calendar plan year 2013 or fiscal plan year beginning 01/01/2013 and ending 12/31/2013

► **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 The Erachem Comilog, Inc Baltimore Plant Barg. Unit Ees' 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 Erachem Comilog, Inc.	D Employer Identification Number (EIN) 52-1272156
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>2013</u>	
2	Assets:	
	a Market value	2a 6,619,523
	b Actuarial value	2b 6,379,058
3	Funding target/participant count breakdown:	
	a For retired participants and beneficiaries receiving payment.....	3a 43
	b For terminated vested participants.....	3b 29
	c For active participants:	
	(1) Non-vested benefits	3c(1) 89,728
	(2) Vested benefits	3c(2) 2,359,714
	(3) Total active.....	3c(3) 27
	d Total.....	3d 99
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 6.25 %
6	Target normal cost	6 160,436

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	Emily S. Adkins <i>ESA</i> Signature of actuary	October 8, 2014 Date
	Emily S. Adkins Type or print name of actuary	14-07401 Most recent enrollment number
	Towers Watson Delaware Inc. Firm name	(216) 937-4000 Telephone number (including area code)
	1001 Lakeside Avenue, Suite 1900 Address of the firm	
	Cleveland OH 44114	

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 ☐

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)	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	0
10 Interest on line 9 using prior year's actual return of <u>14.51</u> %		
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		388,441
b Interest on (a) using prior year's effective interest rate of <u>6.95</u> % except as otherwise provided (see instructions)		26,997
c Total available at beginning of current plan year to add to prefunding balance		415,438
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	0

Part III Funding Percentages

14 Funding target attainment percentage	14	103.98 %
15 Adjusted funding target attainment percentage	15	103.98 %
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	97.20 %
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage	17	%

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
07/11/2014	200,000				
Totals ►			18(b)	200,000	18(c) 0

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

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	
b Contributions made to avoid restrictions adjusted to valuation date	19b	
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	182,308

20 Quarterly contributions and liquidity shortfalls:

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

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

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

21 Discount rate:				
a Segment rates:	1st segment: 4.94 %	2nd segment: 6.15 %	3rd segment: 6.76 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 4
22 Weighted average retirement age				22 62
23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute				

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	29	
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	160,436	
b Excess assets, if applicable, but not greater than line 31a	31b	160,436	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment.....	0	0	
b Waiver amortization installment		0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33	0	
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33) ..	34	0	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement.....	0	0	0
36 Additional cash requirement (line 34 minus line 35).....	36	0	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	37	182,308	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	182,308	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

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

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