

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 2016 This Form is Open to Public Inspection	
Part I Annual Report Identification Information					
For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016					
A This return/report is for:		☒ a single-employer plan ☐ a multiple-employer plan (not multiemployer) (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☐ a one-participant plan ☐ a foreign 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 THE GREAT LAKES LITHOGRAPH CO. EMPLOYEES' PENSION PLAN		1b Three-digit plan number (PN) ▶		001	
		1c Effective date of plan		12/28/1965	
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) GREAT LAKES INTEGRATED 4005 CLARK AVE. CLEVELAND, OH 44109-1128		2b Employer Identification Number (EIN)		34-0858735	
		2c Sponsor's telephone number		216-651-1500	
		2d Business code (see instructions)		323100	
3a Plan administrator's name and address ☒ Same as Plan Sponsor.		3b Administrator's EIN			
		3c Administrator's telephone number			
4 If the name and/or EIN of the plan sponsor 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		58	
b Total number of participants at the end of the plan year		5b		56	
c Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)		5c			
d(1) Total number of active participants at the beginning of the plan year		5d(1)		26	
d(2) Total number of active participants at the end of the plan year		5d(2)		26	
e Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested		5e		0	
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.	10/16/2017	MANDIE STOLZENFELD		
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator		
SIGN HERE	Filed with authorized/valid electronic signature.	10/16/2017	MANDIE STOLZENFELD		
	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)				Preparer's telephone number	

- 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

Part III Financial Information

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	2849019	2978741
b Total plan liabilities	7b	0	0
c Net plan assets (subtract line 7b from line 7a)	7c	2849019	2978741
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	105566	
(2) Participants	8a(2)	0	
(3) Others (including rollovers)	8a(3)	0	
b Other income (loss)	8b	253973	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		359539
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	188349	
e Certain deemed and/or corrective distributions (see instructions) ..	8e	0	
f Administrative service providers (salaries, fees, commissions)	8f	41468	
g Other expenses	8g	0	
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		229817
i Net income (loss) (subtract line 8h from line 8c)	8i		129722
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:
1A 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	N/A	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			1000000
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				
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 contributions for all years from Schedule SB (Form 5500) line 40	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?	☐ Yes ☒ No
(If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.)	
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

14a Name of trust	14b Trust's EIN
14c Name of trustee or custodian	14d Trustee's or custodian's telephone number

Part IX IRS Compliance Questions

15a Is the plan a 401(k) plan? If "No," skip b.	☐ Yes	☐ No
15b How did the plan satisfy the nondiscrimination requirements for employee deferrals under section 401(k)(3) for the plan year? Check all that apply:	☐ Design-based safe harbor	☐ "Prior year" ADP test
	☐ "Current year" ADP test	☐ N/A
16a What testing method was used to satisfy the coverage requirements under section 410(b) for the plan year? Check all that apply:	☐ Ratio percentage test	☐ Average benefit test ☐ N/A
16b Did the plan satisfy the coverage and nondiscrimination requirements of sections 410(b) and 401(a)(4) for the plan year by combining this plan with any other plan under the permissive aggregation rules?	☐ Yes	☐ No
17a If the plan is a master and prototype plan (M&P) or volume submitter plan that received a favorable IRS opinion letter or advisory letter, enter the date of the letter ____ / ____ / ____ and the serial number _____.		
17b If the plan is an individually-designed plan that received a favorable determination letter from the IRS, enter the date of the most recent determination letter ____ / ____ / ____.		
18 Defined Benefit Plan or Money Purchase Pension Plan Only: Were any distributions made during the plan year to an employee who attained age 62 and had not separated from service?	☐ Yes	☐ No
19 Was any plan participant a 5% owner who had attained at least age 70 ½ during the prior plan year?	☐ Yes	☐ No

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 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

▶ **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 GREAT LAKES LITHOGRAPH CO. EMPLOYEES' PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>GREAT LAKES INTEGRATED</u>	D Employer Identification Number (EIN) <u>34-0858735</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>2016</u>	
2 Assets:	
a Market value	2a <u>2848273</u>
b Actuarial value	2b <u>2848273</u>
3 Funding target/participant count breakdown	
a For retired participants and beneficiaries receiving payment.....	(1) Number of participants <u>21</u> (2) Vested Funding Target <u>1265907</u> (3) Total Funding Target <u>1265907</u>
b For terminated vested participants.....	<u>8</u> <u>352760</u> <u>352760</u>
c For active participants.....	<u>29</u> <u>1500972</u> <u>1500972</u>
d Total.....	<u>58</u> <u>3119639</u> <u>3119639</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>5.98 %</u>
6 Target normal cost.....	6 <u>41500</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	<u>09/26/2017</u>
<u>MATTHEW J. SAMPOGNA</u>	Date
Type or print name of actuary	<u>17-08222</u>
<u>PRINCIPAL FINANCIAL GROUP</u>	Most recent enrollment number
Firm name	<u>412-394-9692</u>
<u>PO BOX 9394</u> <u>DES MOINES, IA 50306-9394</u>	Telephone number (including area code)
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, see the Instructions for Form 5500 or 5500-SF.

**Schedule SB (Form 5500) 2016
v. 160205**

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)	59287	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)	59287	0
10	Interest on line 9 using prior year's actual return of <u>-0.27</u> %	-160	0
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		18507
b(1)	Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>6.19</u> %		1146
b(2)	Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c	Total available at beginning of current plan year to add to prefunding balance		19653
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)	59127	0

Part III Funding Percentages			
14	Funding target attainment percentage	14	89.40%
15	Adjusted funding target attainment percentage	15	89.40%
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	95.41%
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
04/14/2016	29663	0			
06/10/2016	12578	0			
07/11/2016	17085	0			
09/02/2016	22955	0			
10/14/2016	4281	0			
09/15/2017	19004	0			
Totals ►			18(b)	105566	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 101393
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

Schedule SB, Line 26 - Schedule of Active Participant Data
The Great Lakes Lithograph Co. Employees' Pension Plan
EIN 34-0858735 Plan No. 001

Form 5500 - Schedule of Active Participation Data							Valuation Date 01/01/2016			
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 & up
Attained Age	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
Under 25	0	0	0	0	0	0	0	0	0	0
25 to 29	0	0	0	0	0	0	0	0	0	0
30 to 34	0	0	0	0	0	0	0	0	0	0
35 to 39	0	0	0	0	0	0	0	0	0	0
40 to 44	0	0	0	0	0	1	1	0	0	0
45 to 49	0	0	0	0	0	2	2	1	0	0
50 to 54	0	0	0	0	0	1	3	1	0	0
55 to 59	0	0	0	0	0	0	1	3	5	0
60 to 64	0	0	0	0	0	1	0	1	1	3
65 to 69	0	0	0	0	0	0	0	1	0	1
70 & up	0	0	0	0	0	0	0	0	0	0

Schedule SB, Part V - Statement of Actuarial Assumptions/Methods
The Great Lakes Lithograph Co. Employees' Pension Plan
EIN 34-0858735 Plan No. 001

Assumptions Prescribed by Law	
Mortality	<p><u>During Benefit Payment Period</u> IRS Prescribed Mortality - Optional Combined Table for Small Plans, male and female.</p> <p><u>Before Benefit Payment Period</u> IRS Prescribed Mortality - Optional Combined Table for Small Plans, male and female.</p>
Assumptions Selected by Actuary	
Inflation	<p>2.25% increase per year.</p> <p>See Long-Term Capital Market Assumptions link.</p>
Expected Expense	The expected expense included in Target Normal Cost is an estimate based on prior year expenses paid from plan assets. This is the best estimate available of upcoming year's expenses.
Retirement	<p>Active and inactive participants are assumed to retire at Normal Retirement Age as defined in Plan Provisions.</p> <p>This assumption is based on the results of recent experience analysis and anticipated future experience.</p>
Disability	None. Due to the size of the plan and limited experience, we are not recognizing a disability assumption prior to retirement. This plan does not offer a subsidized disability benefit.
Marriage	<p>75% married; husbands are 3 years older than wives.</p> <p>This assumption does not have material impact on the results of this report and has been selected based on our best estimate of active workforce.</p>
Withdrawal	None. Due to the size of the plan and limited experience, we are not recognizing a withdrawal assumption prior to retirement.
Form of Benefit	Participants are assumed to receive their benefits on the normal form at the assumed retirement age.

Methods Prescribed by Law	
Liability Measure	<p>Funding target is the present value of the benefits accrued on the valuation date.</p> <p>Target Normal Cost is based on benefits expected to accrue during the current plan year and includes an estimate of plan expenses for the year.</p>
HCE Benefit Payment Restrictions	<p>A ratio of the plan assets and accrued liability is used to determine if restrictions apply. Assets and accrued liability are as of the valuation date and are reduced by:</p> <ul style="list-style-type: none"> • any retiree benefit index or floor • amounts for HCEs who were previously restricted • an amount for the retiring HCE <p>The estimated HCE ratio illustrated in this report is based on the market value of plan assets (excluding late deposits) and Funding Target as of the valuation date. The Funding Target uses the non-stabilized interest rates as defined in IRC §430(h)(2)(C)(iv). Other assumptions or methods could be used.</p>
Methods Selected by Plan Sponsor	
Asset Method	Market value
Segment Rates	24-month average with no weighting to prior law basis. Use rates where December is the last month included in the average.
PBGC Premium Basis	Your plan is a small plan as defined by PBGC. Variable Rate Premiums are calculated using census, market value of assets and interest rates in effect on the current valuation date. Interest rates are the 24-month average rates used for Annual Cost but without the interest rate corridor defined in IRC §430(h)(2)(C)(iv). You elected this Alternative interest method for the 01/01/2012 plan year and this method must be used for five years before a change can be made.
Methods Elected by Actuary	
Retirees	Assets and liabilities for current and future retirees are included.
Vested Benefits	<p>A benefit is included in vested benefits if it meets the requirements under PBGC. The benefit is multiplied by the participant's vesting percentage applicable to each benefit on the valuation date.</p> <p>The following ancillary benefits are always treated as nonvested: disability benefits payable to retirement age unless in pay status, pre-retirement death benefits in excess of the Survivor Annuity Death Benefit and post retirement death benefits for non-retired participants except as noted in the Plan Provisions.</p>

**Assumptions and Methods Elected by Actuary
Plan Accounting (ASC 960)**

With the exceptions below, all assumptions and methods are the same as those used in determining your plan's regular Funding Target and Target Normal Cost.

Mortality

Rates: Total Mortality rates from RP-2006 (baseline table from SOA RP-2014 study based on experience data for private pension plans).

Mortality Improvement (MI): RPEC_2014_v2011 model, reflecting historical U.S. mortality data to 2011 and with the last year of historical graduated data of 2009, with the following assumptions:

- Convergence period of 10-years
- Long-term mortality improvement is the sex-distinct and the age-based assumption calibrated to the annual improvement averages, for the period 2010-2088 published in the Social Security Administration (SSA) Trustees Report 2014.

Long-Term Mortality Improvement Rates (averages 2010-2088 in SSA Trustees 2014 Report)		
Age Group	Male	Female
15-49	0.89%	0.91%
50-64	1.09%	1.11%
65-84	0.92%	0.83%
85+	0.59%	0.53%
65+	0.77%	0.68%
Total	0.84%	0.77%

During Benefit Payment Period

Above table with generational MI, Annuitant, male and female.

Before Benefit Payment Period

Above table with generational MI, Non-annuitant, male and female.

See [Mortality](#) rationale for additional information.

Interest Rate Used to Value Liabilities

6.50%

The interest rate used to value ASC 960 liabilities is developed as long-term expected geometric return on plan assets. Arithmetic expected return is calculated as the weighted average of broad asset classes' arithmetic returns of the plan's target asset allocation, and then converted to the geometric under lognormal distribution assumption. For details, see Long-Term Capital Market Assumptions link.

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 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning <u>01/01/2016</u> and ending <u>12/31/2016</u>		
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C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Great Lakes Integrated	D Employer Identification Number (EIN) 34-0858735	
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B F Prior year plan size: ☒ 100 or fewer ☐ 101-500 ☐ More than 500		

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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	5.98 %	
6 Target normal cost.....	6	41500	

Statement by Enrolled Actuary <small>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.</small>																				
<table style="width: 100%;"> <tr> <td style="width: 15%; text-align: center;">SIGN HERE</td> <td style="width: 45%; text-align: center;"> Signature of actuary </td> </tr> <tr> <td colspan="2" style="text-align: center;">Matthew J. Sampogna</td> </tr> <tr> <td colspan="2" style="text-align: center;">Type or print name of actuary</td> </tr> <tr> <td colspan="2" style="text-align: center;">Principal Financial Group</td> </tr> <tr> <td colspan="2" style="text-align: center;">Firm name</td> </tr> <tr> <td colspan="2" style="text-align: center;">PO Box 9394 Des Moines, IA 50306-9394</td> </tr> <tr> <td colspan="2" style="text-align: center;">Address of the firm</td> </tr> </table>	SIGN HERE	 Signature of actuary	Matthew J. Sampogna		Type or print name of actuary		Principal Financial Group		Firm name		PO Box 9394 Des Moines, IA 50306-9394		Address of the firm		<table style="width: 100%;"> <tr> <td style="width: 15%; text-align: center;"> Date </td> </tr> <tr> <td style="text-align: center;">1708222</td> </tr> <tr> <td style="text-align: center;">Most recent enrollment number</td> </tr> <tr> <td style="text-align: center;">412-394-9692</td> </tr> <tr> <td style="text-align: center;">Telephone number (including area code)</td> </tr> </table>	 Date	1708222	Most recent enrollment number	412-394-9692	Telephone number (including area code)
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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, see the Instructions for Form 5500 or 5500-SF.	
Schedule SB (Form 5500) 2016 v. 160205	

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)	59287	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)	59287	0
10 Interest on line 9 using prior year's actual return of <u>-0.27</u> %	-160	0
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		18507
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>6.19</u> %		1146
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance		19653
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)	59127	0

Part III Funding Percentages			
14 Funding target attainment percentage	14		89.40 %
15 Adjusted funding target attainment percentage	15		89.40 %
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		95.41 %
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	
04/14/2016	29663	0				
06/10/2016	12578	0				
07/11/2016	17085	0				
09/02/2016	22955	0				
10/14/2016	4281	0				
09/15/2017	19004	0				
Totals ▶			18(b)	105566	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	101393
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: 4.43 %	2nd segment: 5.91 %	3rd segment: 6.65 %	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 0
22 Weighted average retirement age				22 65
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	41500	
b Excess assets, if applicable, but not greater than line 31a	31b	0	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	330493	87144	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	128644	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	27251	0	27251
36 Additional cash requirement (line 34 minus line 35)	36	101393	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	101393	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	0	
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, Line 2a - Explanation of Assets
The Great Lakes Lithograph Co. Employees' Pension Plan
EIN 34-0858735 Plan No. 001

The market value of assets on line 2a does not equal assets shown on Schedule H, Schedule I or Form 5500-SF. Schedule H, Schedule I and Form 5500-SF use the full value of contributions received after plan year end. Line 2a includes the value of \$78,065 contributions received after the plan year end with a discounted value of \$77,318.

Schedule SB, Line 22 - Description Of Weighted Average Retirement Age
The Great Lakes Lithograph Co. Employees' Pension Plan
EIN 34-0858735 Plan No. 001

Active participants are expected to retire at the plan's assumed retirement age. The retirement rate reflects only those participants who meet retirement eligibility. An active participant working past assumed retirement age is expected to retire at current age.

(1) Age	(2) Expected Active Headcount	(3) Retirement Rate	(4) Expected Retirements (2)*(3)	(5) Weighted Age (1)*(4)
65	25.9764	1.0000	25.9764	1,688.4640
66	1.0000	1.0000	1.0000	66.0000
67	1.0000	1.0000	1.0000	67.0000
Total			27.9764	1,821.4640
Average				65.11

Schedule SB, Part V - Summary of Plan Provisions
The Great Lakes Lithograph Co. Employees' Pension Plan
EIN 34-0858735 Plan No. 001

This report reflects the maximum benefit limits under Internal Revenue Code (IRC) Section 415 and maximum compensation limits under IRC Section 401 in effect on the first day of each plan year.

The following is a summary of plan provisions and does not alter the intent or meanings of the provisions contained in the contract or plan document. This report reflects the provisions of the plan restatement signed 01/08/2016.

Plan Eligibility	
Eligibility	No employees may enter the plan after 12/31/1998. Prior to that, an employee who was at least age 21 was eligible to enter the plan on January 1 or July 1 following completion of a year of service with at least 1,000 hours of work.
Class	Employees of Great Lakes Integrated, excluding leased employees, nonsupervisory employees in the Fulfillment Department, and those whose services are solely as a director or independent contractor.

Normal Retirement Benefit	
Eligibility	The later of age 65 or the 5 th anniversary of plan participation.
Form	Monthly annuity payable for 10 years certain and life thereafter (optional forms may be elected in advance of retirement).
Amount (accrued benefit)	Benefits were frozen as of 12/31/1998. The sum of a) and b): a) Accrued benefit determined as of 12/31/1988 b) The sum of i) and ii): 1) An amount equal to (1) 1% of compensation not in excess of his integration level, plus (2) 1.59% of such compensation in excess of his integration level for each year of accrual service earned after December 31, 1988 (not to exceed 35 years). 2) 1.33% of compensation for each year of his accrual service earned after December 31, 1988, in excess of 35 years. Minimum benefit: Accrued Benefit as of 07/31/1993 for non-highly compensated employees determined according to the formula in effect on 12/31/1988 as if it had remained in effect until 07/31/1993.

Schedule SB, Part V - Summary of Plan Provisions
The Great Lakes Lithograph Co. Employees' Pension Plan
EIN 34-0858735 Plan No. 001

Early Retirement Benefit	
Eligibility	A participant who has reached age 60 with 10 years of vesting service.
Form	Same as normal retirement benefit.
Amount	A reduced monthly benefit that is the actuarial equivalent of the participant's accrued normal retirement benefit.

Late Retirement Benefit	
Age	No maximum age.
Form	Same as normal retirement benefit.
Amount	<p>Actives: Accrued benefit at late retirement date, with an actuarial increase applied if past age 70 ½.</p> <p>Inactives: Accrued benefit on normal retirement date actuarially increased to late retirement date.</p>

Termination Benefit	
Vesting Percentage	100% upon completing 5 years of vesting service provided 100% upon reaching normal retirement age or permanent disability if earlier.
Form	Same as normal retirement benefit with income deferred until normal retirement date.
Amount	Accrued benefit on date of termination multiplied by the vesting percentage.

Disability Retirement Benefit (vested benefit)	
Eligibility	Active participant who terminates due to a permanent disability.
Form	Monthly annuity payable for 10 years certain and life (optional forms may be elected in advance of retirement).
Amount	Actuarial equivalent of the participant's accrued retirement benefit.

Death Benefit	
Eligibility	Qualified married participant fully or partially vested in an accrued benefit.
Form	Monthly annuity payable to spouse, deferred to participant's earliest retirement date if later than the date of death.
Amount	If death occurs, the amount paid to the surviving spouse is equal to the amount that would have been paid had the participant terminated employment on the date of death and survived to his/her earliest retirement age, retired with a qualified joint and 50% survivor annuity in effect, then died the next day.

Definitions	
Covered Compensation	The average of the taxable wage bases in effect for each calendar year during the 35-year period ending with the last day of the calendar year in which the participant attains Social Security Retirement Age.
Integration Level	1/12 th of covered compensation.
Optional Forms of Benefit Payments	<p>The optional forms of benefit payments are:</p> <ul style="list-style-type: none"> • Monthly annuity payable for life or 10 years certain and life • Monthly annuity payable as a survivorship life annuity with survivorship percentages of 50, 75, or 100 • Lump sum if the present value of the benefit is not more than \$40,000 <p>The optional form conversion basis for benefits other than lump sum payments is determined using the 1984 Unisex Pension Mortality Table with 3 year setback for joint beneficiaries and 7.5 % interest. Lump sum payment actuarial equivalence is determined using IRC 417(e) mortality and the 417(e) interest rate for the month of November of the plan year preceding the date of distribution.</p>

Changes in Principal Eligibility or Benefit Provisions

There have been no changes in principal eligibility or benefit provisions since the last valuation.

Significant Event

The enrolled actuary has not been made aware that any significant events have occurred during the year.

Schedule SB, Line 32 - Schedule of Amortization Bases
The Great Lakes Lithograph Co. Employees' Pension Plan
EIN 34-0858735 Plan No. 001

Shortfall			
Date Created	Present Value	Remaining Years	Annual Charge
01/01/2016	\$248,085	7	\$40,989
01/01/2015	89,333	6	16,717
01/01/2014	(127,164)	5	(27,684)
01/01/2013	50,225	4	13,384
01/01/2012	(33,451)	3	(11,637)
01/01/2011	98,310	2	50,220
01/01/2010	5,155	1	5,155
Total	\$330,493		\$87,144

Last year's total shortfall annual charge was \$117,784.

The total annual charge used in calculating your Annual Cost cannot be less than zero.

Waiver charges represent your repayment to the plan for an Annual Charge that was not funded. A waiver only exists once the Internal Revenue Service has granted approval. See [Waivers](#) in Rules and Regulations.

Waiver			
Date Created	Present Value	Remaining Years	Annual Charge
N/A	N/A	N/A	N/A

There are no waiver bases for the current year.

Schedule SB, Line 25 – Change in Method
The Great Lakes Lithograph Co. Employees' Pension Plan
EIN 34-0858735 Plan No. 001

The Employee Retirement Income Security Act of 1974, Section 103(c)(4), requires the plan administrator to furnish an explanation of a change in the enrolled actuary as part of the annual report. There was a change in enrolled actuaries since last year. The actuarial valuation work continues to be done by Principal Life Insurance Company. However, the individual involved with this plan as the enrolled actuary has changed due to a change in the plan assignment among enrolled actuaries at Principal Life Insurance Company.