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

2012

This Form is Open to Public Inspection

Part I Annual Report Identification Information

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

A This return/report is for:
- [ ] a multiemployer plan;
- [ ] a multiple-employer plan; or
- [X] 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. . . . . ▶ [X]

D Check box if filing under:
- [X] Form 5558;
- [ ] automatic extension;
- [ ] the DFVC program;
- [ ] special extension (enter description)

Part II Basic Plan Information—enter all requested information

1a Name of plan
RETIREMENT PENSION PLAN

1b Three-digit plan number (PN) ▶ 091

1c Effective date of plan 01/01/1979

2a Plan sponsor's name and address; include room or suite number (employer, if for a single-employer plan)

PPG INDUSTRIES, INC.

ONE PPG PLACE
PITTSBURGH, PA 15272

2b Employer Identification Number (EIN)
25-0730780

2c Sponsor's telephone number
412-434-3916

2d Business code (see instructions)
325100

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

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

SIGN HERE	Filed with authorized/valid electronic signature.	10/10/2013	KAREN P. RATHBURN
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/10/2013	JOHANN F. KOLLING
	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

Preparer's name (including firm name, if applicable) and address; include room or suite number. (optional)

Preparer's telephone number (optional)

3a Plan administrator's name and address [ ] Same as Plan Sponsor Name [X] Same as Plan Sponsor Address

KAREN P. RATHBURN PPG INDUSTRIES, INC.

3b Administrator's EIN
27-5040608

3c Administrator's telephone number
412-434-3916

4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report:

a Sponsor's name

4b EIN

4c PN

5	Total number of participants at the beginning of the plan year	**5**	7138
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**	2044
b	Retired or separated participants receiving benefits	**6b**	3005
c	Other retired or separated participants entitled to future benefits	**6c**	1784
d	Subtotal. Add lines **6a**, **6b**, and **6c**	**6d**	6833
e	Deceased participants whose beneficiaries are receiving or are entitled to receive benefits	**6e**	395
f	Total. Add lines **6d** and **6e**	**6f**	7228
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**	13
7	Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	**7**	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:
1G 1B

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

9a Plan funding arrangement (check all that apply)

- **(1)** [ ] Insurance
- **(2)** [ ] Code section 412(e)(3) insurance contracts
- **(3)** [X] 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)** [X] Trust
- **(4)** [ ] General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- **(1)** [X] **R** (Retirement Plan Information)
- **(2)** [ ] **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- **(3)** [X] **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- **(1)** [X] **H** (Financial Information)
- **(2)** [ ] **I** (Financial Information – Small Plan)
- **(3)** [ ] **A** (Insurance Information)
- **(4)** [X] **C** (Service Provider Information)
- **(5)** [X] **D** (DFE/Participating Plan Information)
- **(6)** [ ] **G** (Financial Transaction Schedules)

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

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

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

OMB No. 1210-0110

2012

This Form is Open to Public Inspection

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

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

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

A Name of plan
RETIREMENT PENSION PLAN

B Three-digit plan number (PN) ▶ 091

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF
PPG INDUSTRIES, INC.

D Employer Identification Number (EIN)
25-0730780

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1	Enter the valuation date: Month 01 Day 01 Year 2012			
2	Assets:			
	a Market value	2a		571800519
	b Actuarial value	2b		564627430
3	Funding target/participant count breakdown:		(1) Number of participants	(2) Funding Target
	a For retired participants and beneficiaries receiving payment	3a	3403	324563263
	b For terminated vested participants	3b	1944	41660919
	c For active participants:			
	(1) Non-vested benefits	3c(1)		13689525
	(2) Vested benefits	3c(2)		115866150
	(3) Total active	3c(3)	2098	129555675
	d Total	3d	7445	495779857
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		6.96 %
6	Target normal cost	6		6849100

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	09/25/2013 Date
JEFFRY P BLASZKOWSKI Type or print name of actuary	11-06646 Most recent enrollment number
MERCER Firm name	313-259-5500 Telephone number (including area code)
600 RENAISSANCE CENTER SUITE 1800 DETROIT, MI 48243 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 [ ]

Part II Beginning of Year Carryover Prefunding Balances

		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	91563352	
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	1897527	
9	Amount remaining (line 7 minus line 8)	89665825	
10	Interest on line 9 using prior year's actual return of 9.23%	8276156	
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year)		1670563
	b Interest on (a) using prior year's effective interest rate of 6.23% except as otherwise provided (see instructions)		154193
	c Total available at beginning of current plan year to add to prefunding balance		1824756
	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)	97941981	

Part III Funding Percentages

14	Funding target attainment percentage	14	94.13 %
15	Adjusted funding target attainment percentage	15	113.88 %
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	101.78 %
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
			Totals ► 18(b)		18(c)

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	

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? [X] Yes [ ] No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? [X] 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:	2nd segment:	3rd segment:	
5.54%	6.85%	7.52 %	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	63

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

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

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	**27**	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	**28**	
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**	

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):		
a Target normal cost (line 6)	**31a**	6849100
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

32 Amortization installments:	Outstanding Balance	Installment
a Net shortfall amortization installment		
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**	6849100

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	6933180		6933180

36 Additional cash requirement (line 34 minus line 35)	**36**	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	**37**	
38 Present value of excess contributions for current year (see instructions)		
a Total (excess, if any, of line 37 over line 36)	**38a**	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	**38b**	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	**39**	
40 Unpaid minimum required contributions for all years	**40**	

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 C (Form 5500)	Service Provider Information	OMB No. 1210-0110
Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	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.**	**2012** **This Form is Open to Public Inspection.**

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

A Name of plan	**B** Three-digit plan number (PN) ▶	
RETIREMENT PENSION PLAN		091
C Plan sponsor's name as shown on line 2a of Form 5500	**D** Employer Identification Number (EIN)	
PPG INDUSTRIES, INC.	25-0730780	

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

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

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

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

MERCER HR CONSULTING

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?
16	NONE	8976	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

AXA EQUITABLE LIFE INS CO

13-5570651

(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	NONE	10125	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

DELOITTE & TOUCHE, LLP

13-3891517

(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?
65 10	NONE	11016	Yes [ ] No [X]	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)

K&L GATES

25-0921018

(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?
29	NONE	86384	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

PPG INDUSTRIES

25-0730780

(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?
16 65 11	PLAN SPONSOR	663080	Yes [ ] No [X]	Yes [ ] No [ ]		Yes [ ] No [ ]

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

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

Part I Service Provider Information (continued)

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

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

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

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

Part II Service Providers Who Fail or Refuse to Provide Information

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

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

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

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

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

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

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

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)

(complete as many entries as needed)

a Name: ARTHUR L. NOONAN	**b** EIN: 13-2834414	
c Position: ACTUARY		
d Address: SIX PPG PLACE SUITE 400 PITTSBURGH, PA 15222-5499	**e** Telephone: 412-355-8800	

Explanation: INTERNAL REASSIGNMENT OF ROLES WITHIN 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:

SCHEDULE D (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

DFE/Participating Plan Information

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

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2012

This Form is Open to Public Inspection.

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

A Name of plan
RETIREMENT PENSION PLAN

B Three-digit plan number (PN) ▶ 091

C Plan or DFE sponsor's name as shown on line 2a of Form 5500
PPG INDUSTRIES, INC.

D Employer Identification Number (EIN)
25-0730780

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

a Name of MTIA, CCT, PSA, or 103-12 IE: PPG PENSION MASTER TRUST UNIT

b Name of sponsor of entity listed in (a): THE BANK OF NEW YORK MELLON

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)
25-6193407-001	M	621427183

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)

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

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

2012

This Form is Open to Public Inspection

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

A Name of plan
RETIREMENT PENSION PLAN

B Three-digit plan number (PN) ▶ 091

C Plan sponsor's name as shown on line 2a of Form 5500
PPG INDUSTRIES, INC.

D Employer Identification Number (EIN)
25-0730780

Part I Asset and Liability Statement

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

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)		
(2) Participant contributions	1b(2)		
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)		0
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	571800519	621427183
(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)	61279580	17445625

		(a) Beginning of Year	(b) End of Year
1d Employer-related investments:			
(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	633080099	638872808
Liabilities			
g Benefit claims payable	1g		
h Operating payables	1h	136025	166277
i Acquisition indebtedness	1i		
j Other liabilities	1j	61279580	17445625
k Total liabilities (add all amounts in lines 1g through1j)	1k	61415605	17611902
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	571664494	621260906

Part II Income and Expense Statement

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

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

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		90351744
(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		90351744
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	39625950	
(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)		39625950
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)	132749	
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)	10125	
(4) Other	2i(4)	986508	
(5) Total administrative expenses. Add lines **2i(1)** through **(4)**	2i(5)		1129382
j Total expenses. Add all **expense** amounts in column (b) and enter total	2j		40755332
Net Income and Reconciliation			
k Net income (loss). Subtract line **2j** from line **2d**	2k		49596412
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)** [X] Disclaimer **(4)** [ ] Adverse

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

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

(1) Name: DELOITTE AND TOUCHE, LLP **(2)** EIN: 13-3891517

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

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

Part IV Compliance Questions

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

During the plan year:

		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.)	4a		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.)	4b		X	

			Yes	No	Amount
c	Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d		X	
e	Was this plan covered by a fidelity bond?	4e	X		1500000
f	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g	Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h	Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i	Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i	X		
j	Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k	Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l	Has the plan failed to provide any benefit when due under the plan?	4l		X	
m	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m			
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)

Part V Trust Information (optional)

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

SCHEDULE R (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Retirement Plan Information

This schedule is required to be filed under section 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500.**

OMB No. 1210-0110

2012

This Form is Open to Public Inspection.

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

A Name of plan
RETIREMENT PENSION PLAN

B Three-digit plan number (PN) ▶ 091

C Plan sponsor's name as shown on line 2a of Form 5500
PPG INDUSTRIES, INC.

D Employer Identification Number (EIN)
25-0730780

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**

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): 25-6078093

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 of 412 of the Internal Revenue Code or ERISA section 302, skip this Part)

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ..... ☐ **Yes** ☒ **No** ☐ **N/A**

If the plan is a defined benefit plan, go to line 8.

5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month _____ Day _____ Year _____

If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.

6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived) **6a**

b Enter the amount contributed by the employer to the plan for this plan year **6b**

c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount) **6c**

If you completed line 6c, skip lines 8 and 9.

7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ..... ☐ **Yes** ☐ **No** ☐ **N/A**

8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ..... ☐ **Yes** ☐ **No** ☒ **N/A**

Part III Amendments

9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box. ..... ☐ **Increase** ☐ **Decrease** ☐ **Both** ☒ **No**

Part IV ESOPs (see instructions). If this is not a plan described under Section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan? ..... ☐ **Yes** ☐ **No**

11 a Does the ESOP hold any preferred stock? ..... ☐ **Yes** ☐ **No**

b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.) ..... ☐ **Yes** ☐ **No**

12 Does the ESOP hold any stock that is not readily tradable on an established securities market? ..... ☐ **Yes** ☐ **No**

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify):

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

---

a Name of contributing employer

b EIN **c** Dollar amount contributed by employer

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

e Contribution rate information *(If more than one rate applies, check this box* ☐ *and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)*
(1) Contribution rate (in dollars and cents) _____
(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14 Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

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

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year	**15a**	
b The corresponding number for the second preceding plan year	**15b**	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year	**16a**	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	**16b**	

17 If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

18 If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

19 If the total number of participants is 1,000 or more, complete lines (a) through (c)

a Enter the percentage of plan assets held as:
Stock: 31.0% Investment-Grade Debt: 58.9% High-Yield Debt: 5.1% Real Estate: 5.0% Other: _____%

b Provide the average duration of the combined investment-grade and high-yield debt:
☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☒ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

c What duration measure was used to calculate line 19(b)?
☒ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

PPG Industries, Inc.
Retirement Pension Plan

Employer ID No: 25-0730780
Plan Number: 091

Financial Statements as of December 31, 2012 and 2011, and for the Year Ended December 31, 2012, and Independent Auditors' Report

PPG INDUSTRIES, INC. RETIREMENT PENSION PLAN

2012 FORM 5500
ANNUAL RETURN/REPORT OF EMPLOYEE BENEFIT PLAN

PLAN SPONSOR:	PPG INDUSTRIES, INC. ONE PPG PLACE PITTSBURGH, PA 15272
EMPLOYER IDENTIFICATION NUMBER:	25-0730780
NAME OF PLAN:	PPG INDUSTRIES, INC. RETIREMENT PENSION PLAN
PLAN NUMBER:	091

PPG INDUSTRIES, INC. RETIREMENT PENSION PLAN

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NOTE: All schedules required by Section 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 have been omitted because they are not applicable.

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USA
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Fax: +1 412 338 7380
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INDEPENDENT AUDITORS' REPORT

To the Participants of the PPG Industries, Inc.
Retirement Pension Plan:

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of PPG Industries, Inc. Retirement Pension Plan (the "Plan"), which comprise the statements of net assets available for benefits as of December 31, 2012 and 2011, and the related statement of changes in net assets available for benefits for the year ended December 31, 2012, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

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 8, which was certified by Bank of New York Mellon, N.A., 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 certifications from the trustee as of December 31, 2012 and 2011, and for the year ended December 31, 2012, that the information provided to the plan administrator by the trustee is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Report on Form and Content in Compliance with Department of Labor Rules and Regulations

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.

Deloitte & Touche LLP

October 8, 2013

PPG INDUSTRIES, INC. RETIREMENT PENSION PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
AS OF DECEMBER 31, 2012 AND 2011

	2012	2011
ASSETS:		
Investments at fair value — PPG Industries, Inc. Pension Plan Trust Commingled Fund	$621,427,183	$571,800,519
Collateral held under securities lending agreements	17,445,625	61,279,580
Total assets	638,872,808	633,080,099
LIABILITIES:		
Accrued administrative expenses	166,277	136,025
Liability to return collateral held under securities lending agreements	17,445,625	61,279,580
Total liabilities	17,611,902	61,415,605
NET ASSETS AVAILABLE FOR BENEFITS	$621,260,906	$571,664,494

See notes to financial statements.

PPG INDUSTRIES, INC. RETIREMENT PENSION PLAN

STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS FOR THE YEAR ENDED DECEMBER 31, 2012

ADDITIONS — Net appreciation in fair value of PPG Industries, Inc. Pension Plan Trust Commingled Fund	$ 90,351,744
Total additions	90,351,744
DEDUCTIONS:	
Benefit payments	39,625,950
Administrative expenses	1,129,382
Total deductions	40,755,332
NET INCREASE	49,596,412
NET ASSETS AVAILABLE FOR BENEFITS — Beginning of year	571,664,494
NET ASSETS AVAILABLE FOR BENEFITS — End of year	$ 621,260,906

See notes to financial statements.

1. DESCRIPTION OF PLAN AND ACCOUNTING POLICIES

The following brief description of the PPG Industries, Inc. Retirement Pension Plan (the "Plan") is provided for general information purposes only. Participants should refer to the Plan document for more complete information.

General — The Plan is a defined benefit pension plan extended to certain contractual hourly employees of PPG Industries, Inc. (the "Company"). The Global Director, Benefits and HR Shared Services of the Company is the Plan administrator who controls and manages the operation and administration of the Plan. Expenses of the Plan are paid by either the Plan or the Company. The Bank of New York Mellon, N.A. ("BNY Mellon") serves as the trustee of the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Benefits — Employees become vested after five years of continuous service and are entitled to pension benefits upon retirement, as defined by the Plan document. The Plan provides for normal retirement benefits upon reaching age 65 for certain individuals and upon reaching the Social Security normal retirement age for other individuals. The Plan also has provisions for early, deferred vested, and disability retirement benefits for those participants who are eligible to receive such benefits. Monthly benefits under the Plan are based upon years of continuous service, as defined by the Plan document, multiplied by the benefit rate in effect at the time of retirement or termination. Such benefits may be reduced by early retirement or survivor benefits. Benefit payments to participants are recorded upon distribution.

Basis of Accounting — The accompanying financial statements of the Plan have been prepared in accordance with accounting principles generally accepted in the United States of America (GAAP).

Use of Accounting Estimates — The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, and changes therein, the actuarial present value of accumulated plan benefits and the changes therein, and disclosure of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

Valuation of Investments — The Plan's investment in the PPG Industries, Inc. Pension Plan Trust Commingled Fund (the "Trust") is presented at estimated fair value. Fair value has been determined based upon quoted market prices of the investments held by the Trust, if available, or estimated by independent investment brokerage firms. The fair value of the common trust funds is determined based on the fair value of the underlying securities held by the fund (see Note 3).

Risks and Uncertainties — The Trust utilizes various investment instruments, including U.S. government securities, corporate debt instruments, and corporate stocks. Investment securities, in general, are exposed to various risks, such as interest rate, credit risk, and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the financial statements.

New Accounting Standards — In May 2011, the Financial Accounting Standards Board issued an amendment to the fair value measurement guidance and disclosure requirements to establish GAAP in common with International Financial Reporting Standards measurement and reporting requirements. The new requirements were effective for annual reporting periods beginning after December 15, 2011. The adoption in 2012 did not materially affect the Plan's financial statements.

2. ACCUMULATED PLAN BENEFITS

Accumulated plan benefits are those future periodic payments that are attributable under the Plan's provisions to the service employees who have rendered as of the valuation date. Accumulated plan benefits include benefits expected to be paid to (a) retired, terminated, or transferred employees or their beneficiaries, (b) beneficiaries of employees who have died, and (c) present employees or their beneficiaries. Benefits under the Plan are based upon years of continuous service (see Note 1). Benefits payable under all circumstances, including retirement, death, disability, and termination of employment, are included to the extent that they are deemed attributable to employee service rendered to the date as of which the benefit information is presented.

The actuarial present value of accumulated plan benefits as of December 31, 2012 and 2011, was as follows (in millions):

	2012	2011
Vested benefits:		
Participants currently receiving payments	$ 380	$ 342
Other participants	252	245
Nonvested benefits	22	23
Total	$ 654	$ 610

The changes in the actuarial value of accumulated plan benefits for the years ended December 31, 2012 and 2011, were as follows (in millions):

	2012	2011
Actuarial present value of accumulated plan benefits — beginning of year — January 1	$ 610	$ 550
Increase (decrease) during the year attributable to:		
Benefits accumulated and gains	19	9
Increase in interest due to the discount period	27	29
Change in assumptions	38	59
Benefits paid	(40)	(37)
Net increase	44	60
Actuarial present value of accumulated plan benefits — end of year — December 31	$ 654	$ 610

The actuarial present value of accumulated plan benefits was determined by the Plan's actuary, Mercer Human Resource Consulting, and is the amount that results from applying actuarial assumptions to adjust the accumulated plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements, such as for death, disability, withdrawal, or retirement) between the valuation date and the expected dates of payment. The significant actuarial assumptions used in determining accumulated plan benefits were (a) the RP2000 Mortality Table at both December 31, 2012 and 2011, (b) an assumed average retirement age of 64 at both December 31, 2012 and 2011, and (c) a discount rate of 4.05% and 4.50% as of December 31, 2012 and 2011, respectively.

The foregoing actuarial assumptions are based on 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.

3. INVESTMENTS IN THE PENSION PLAN TRUST COMMINGLED FUND

The investment assets of the Plan consist of an undivided interest in the Total Combined PPG Fund (the "Fund") of the Trust. Use of the Fund permits the commingling of the Trust assets of the pension plans of the Company for investment and administrative purposes. Although Plan assets are commingled in the Fund, supporting records are maintained for the purpose of allocating the Fund's net earnings or loss to each of the plans that participate in the Fund. Plans that participate in the Trust include the Plan and the PPG Retirement Income Plan.

The Fund holds derivative instruments, including foreign exchange and S&P 500 index futures contracts. The Fund holds these futures contracts to hedge foreign currency risk on international investments and to gain exposure to the S&P 500 market.

The financial statements of the Trust are prepared in accordance with GAAP. The Trust's net assets are combined in one investment account, the Bond and Equity Account. These investments are stated at fair value, which generally is determined based on quoted market prices.

The net investments of the Fund as of December 31, 2012 and 2011, are summarized as follows (in millions):

	2012	2011
Common trust funds:		
Equity	$ 847.4	$ 1,050.9
Debt	458.0	112.0
U.S. government securities	309.1	625.1
Corporate debt	1,092.6	824.7
Common stock - PPG Industries, Inc.	203.8	125.7
Temporary investments	14.0	2.6
Unallocated insurance contracts	86.1	78.5
Receivable for investments sold	35.3	99.7
Payable for investments purchased	(81.5)	(148.7)
Income receivable	13.5	18.5
Other	182.5	171.0
	$ 3,160.8	$ 2,960.0

Accounting guidance on fair value measurements establishes a hierarchy of inputs employed to determine fair value measurements, which has three levels. Level 1 inputs are quoted prices in active markets for identical assets and liabilities, are considered to be the most reliable evidence of fair value, and should be used whenever available. Level 2 inputs are observable prices that are not quoted on active exchanges. Level 3 inputs are unobservable inputs employed for measuring the fair value of assets and liabilities. Changes in economic conditions or model-based valuation techniques may require the transfer of financial instruments from one fair value level to another. In such instances, the transfer is reported at the beginning of the reporting period.

The financial assets of the Fund that are reported at fair value on a recurring basis as of December 31, 2012, are as follows (in millions):

	Level 1	Level 2	Level 3	Total
Common trust funds:				
Equity	$ -	$ 770.6	$ 76.8	$ 847.4
Debt	-	458.0	-	458.0
U.S. government securities	195.7	113.4	-	309.1
Corporate debt	-	1,016.5	76.1	1,092.6
Common stock - PPG Industries, Inc.	203.8	-	-	203.8
Temporary investments	-	14.0	-	14.0
Unallocated insurance contracts	-	-	86.1	86.1
Receivable for investments sold	-	35.3	-	35.3
Payable for investments purchased	-	(81.5)	-	(81.5)
Income receivable	-	13.5	-	13.5
Other	1.1	177.1	4.3	182.5
Total	$ 400.6	$ 2,516.9	$ 243.3	$ 3,160.8

The financial assets of the Fund that are reported at fair value on a recurring basis as of December 31, 2011, are as follows (in millions):

	Level 1	Level 2	Level 3	Total
Common trust funds:				
Equity	$ 124.7	$ 857.7	$ 68.5	$ 1,050.9
Debt	-	112.0	-	112.0
U.S. government securities	397.6	227.5	-	625.1
Corporate debt	-	756.5	68.2	824.7
Common stock - PPG Industries, Inc.	125.7	-	-	125.7
Temporary investments	-	2.6	-	2.6
Unallocated insurance contracts	-	-	78.5	78.5
Receivable for investments sold	-	99.7	-	99.7
Payable for investments purchased	-	(148.7)	-	(148.7)
Income receivable	-	18.5	-	18.5
Other	5.7	165.3	-	171.0
Total	$ 653.7	$ 2,091.1	$ 215.2	$ 2,960.0

During 2012, the Plan determined that certain pension assets at December 31, 2011 were previously presented in the Level 2 category and should have been presented in the Level 1 category and certain pension assets presented in Level 2 should have been presented in the Level 3 category based on the inputs used to value the securities. Accordingly, the 2011 presentation of pension assets has been revised in the fair value table and in the Level 3 rollforward table. This revision had no impact on the Plan's statements of net assets available for benefits or statement of changes in net assets available for benefits.

The change in the fair value of the Fund's Level 3 assets for the years ended December 31, 2012 and 2011, are as follows (in millions).

	Common Trust Funds	Corporate Debt	Unallocated Insurance Contracts	Other	Total
Ending balance — January 1, 2011	$ 36.4	$ -	$ 66.0	$ 4.9	$ 107.3
Realized gain (loss) — net	2.5	(9.3)	3.8	(1.9)	(4.9)
Unrealized gain — net	4.6	8.4	8.7	1.9	23.6
Purchases	25.0	69.1	-	-	94.1
Sales	-	-	-	(4.9)	(4.9)
Ending balance — December 31, 2011	68.5	68.2	78.5	-	215.2
Realized gain (loss) — net	3.7	10.3	4.3	-	18.3
Unrealized gain — net	4.6	(7.2)	3.3	0.1	0.8
Purchases	-	4.8	-	4.2	9.0
Ending balance — December 31, 2012	$ 76.8	$ 76.1	$ 86.1	$ 4.3	$ 243.3

The net earnings of the Fund are allocated monthly to each plan participating in the Fund based on the relationship of the undivided interest of each plan in the Fund at the end of the month to the total of the undivided interests of the two plans participating in the Fund. The net investment earnings (losses) of the Fund for the year ended December 31, 2012, are summarized as follows (in millions):

Investment earnings — net appreciation in fair value of investments:	
Common trust funds — equity	$ 171.1
U.S. government securities	(5.4)
Corporate debt	80.0
Futures contracts	58.1
Equity securities	88.7
Other — principally from equity and fixed — income options	7.6
Net appreciation in fair value of investments	400.1
Interest and dividends	77.3
Investment advisory and management fees	(9.4)
Net investment gain	$ 468.0

The Plan's interest in the Fund, as a percentage of net assets of the Fund, was approximately 20% at December 31, 2012 and 19% at December 31, 2011.

4. NET ASSET VALUE (NAV) PER SHARE

A summary of the Plan's investments with a reported NAV as of December 31, 2012 and 2011 is set forth as follows:

	Fair Value Estimated Using Net Asset Value per Share December 31, 2012				
Investment	Fair Value * (in Millions)	Unfunded Commitment	Redemption Frequency	Other Redemption Restrictions	Redemption Notice Period
J.P. Morgan Strategic Property Fund (a)	$ 76.8	None	Quarterly	None	45 days

	December 31, 2011				
Investment	Fair Value * (in Millions)	Unfunded Commitment	Redemption Frequency	Other Redemption Restrictions	Redemption Notice Period
J.P. Morgan Strategic Property Fund (a)	$ 68.5	None	Quarterly	None	45 days

* The fair values of the investments have been estimated using the net asset value of the investment.

(a) The J.P. Morgan Strategic Property Fund seeks improved real estate projects with stabilized occupancies, which produce a relatively high level of current income combined with moderate appreciation potential.

5. SECURITIES LENDING

The Plan participates in a securities lending program through BNY Mellon. Under this program, the Plan's investment securities are loaned to investment brokers for a fee. Securities so loaned are fully collateralized by cash, letters of credit, and securities issued or guaranteed by the U.S. government, its agencies, and instrumentalities. At December 31, 2012 and 2011, $17,088,000 and $59,993,000, respectively, of the Plan's securities were on loan under BNY Mellon's securities lending program. The fair value of the collateral received as a percentage of the total current value of the securities on loan by the Plan was approximately 102.1% for the years ended December 31, 2012 and 2011. Income from the program was $27,000 and $52,000, respectively, for the years ended December 31, 2012 and 2011, and is recorded in equity in net earnings of the Trust in the accompanying financial statements.

6. FUNDING POLICY

Contributions to provide benefits under the Plan are made solely by the Company. The Company's funding policy is to make contributions to the Plan based upon the calculations of the Plan's actuary using the unit credit cost method, which consists of normal cost, plus amortization of unfunded prior service costs over a 40-year period or less.

In 2011, the Company contributed cash of $7,500,000 to the Plan relating to the 2010 Plan year. The Company met the minimum funding requirements of ERISA for the years ended December 31, 2012 and 2011.

7. PLAN TERMINATION

Although the Company has not expressed any intention to do so, it has the right under the Plan to discontinue its contributions to the Plan at any time and terminate the Plan subject to the provisions set forth in the Plan document and ERISA.

In the event that the Plan is terminated, the net assets of the Plan will be allocated for payment of plan benefits to the participants in an order of priority determined in accordance with ERISA, applicable regulations thereunder, and the Plan document. Whether a particular participant's accumulated plan benefits will be paid depends on both the priority of those benefits and the level of benefits guaranteed by the Pension Benefit Guaranty Corporation (PBGC) at that time.

Generally, the PBGC guarantees most vested normal age retirement benefits, early retirement benefits, and certain disability and survivor's pensions. However, the PBGC does not guarantee all types of benefits under the Plan, and the amount of benefit protection is subject to certain limitations. Vested benefits under the Plan are guaranteed at the level in effect on the date of the Plan's termination, subject to a statutory ceiling on the amount of an individual's monthly benefit.

Whether all participants receive their benefits should the Plan be terminated at some future time will depend on the sufficiency, at the time, of the Plan's net assets to provide those benefits, the priority of those benefits to be paid, and the level and type of benefits guaranteed by the PBGC at that time. Some benefits may be fully or partially provided for by the then-existing assets and the PBGC guaranty, while other benefits may not be provided for at all.

8. INFORMATION CERTIFIED BY TRUSTEE

The following is a summary of the unaudited information regarding the Plan, included in the Plan's financial statements, that was prepared by or derived from information prepared by BNY Mellon and furnished to the Plan administrator. At December 31, 2012 and 2011, the Plan Administrator has obtained certifications from the trustee that such information is complete and accurate.

	2012	2011
Statements of net assets available for benefits — Investments at fair value	$621,427,183	$571,800,519
Statement of changes in net assets available for benefits — Net appreciation in fair value of the PPG Industries, Inc. Pension Plan Trust Commingled Fund	90,351,744	

Unaudited information concerning the Trust is included in Notes 3 and 4 to the financial statements.

9. FEDERAL INCOME TAX STATUS

The Internal Revenue Service has determined and informed the Company by a letter dated July 30, 2012, that the Plan and related trust were designed in accordance with the applicable regulations of the Internal Revenue Code.

GAAP requires Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan Administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2012, 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 Plan Administrator believes it is no longer subject to income tax examinations for years prior to 2008.

10. PLAN AMENDMENTS

There were no plan amendments in 2012 or 2011 that had a material impact on the actuarial present value of accumulated plan benefits.

11. SUBSEQUENT EVENTS

The Plan's management evaluated subsequent events through October 8, 2013, the date on which the financial statements were available to be issued.

On January 28, 2013, the Company completed the previously announced separation of its commodity chemicals business and merger of its wholly owned subsidiary, Eagle Spinco Inc., with a subsidiary of Georgia Gulf Corporation in a tax efficient Reverse Morris Trust transaction (the "Transaction"). Pursuant to the merger, Eagle Spinco, the entity holding PPG's former commodity chemicals business, is now a wholly owned subsidiary of Georgia Gulf. The closing of the merger followed the expiration of the related exchange offer and the satisfaction of certain other conditions. The combined company formed by uniting Georgia Gulf with PPG's former commodity chemicals business is named Axiall Corporation ("Axiall"). PPG holds no ownership interest in Axiall.

PPG transferred the Plan's assets and liabilities to Axiall associated with those Plan participants impacted by the transaction. As a result, the Plan transferred assets of approximately $249,005,000 to Axiall and reduced the Plan's liabilities by approximately $262,552,000 related to the former Plan participants.

* * * * * *

Schedule SB, Line 24 — Change in Actuarial Assumptions

- Retirement rates were updated to better reflect expected future plan experience.

Schedule SB, Part V — Summary of Plan Provisions

Benefits Included or Excluded

Unless noted below, all benefits provided by the plan, as restated and amended through December 31, 2010, are included in this valuation.

- **Most recent plan amendments included:** Amendments adopted by the valuation date or effective by the end of the plan year.
- **Plan amendments excluded:** Amendments adopted after the valuation date or effective after the current plan year.
- **Late retirement increases:**
  - *Active participants:* Current active participants over normal retirement age are valued using their accrued benefit. Late retirement actuarial increases are deemed to be immaterial for the purposes of this valuation.
  - *Deferred vested participants:* Current deferred vested participants over normal retirement age are valued including the late retirement actuarial increase.
- **Internal Revenue Code limitations:** The limitations of Internal Revenue Code Sections 415(b) and 401(a)(17) have been incorporated into our calculations.
- **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 benefit accruals.

Plan Provisions Specific to Funding

Additional Benefits Included or Excluded

- **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.
- **Scheduled benefit increases:** Scheduled benefit increases effective after the end of the current plan year are excluded from minimum funding requirements.
- **Unpredictable contingent event benefits:** The plan does not have any unpredictable contingent event benefits.

Schedule SB, Part V — Summary of Plan Provisions

Plan Provision Changes Since Prior Valuation

- Maximum compensation amounts and maximum benefit amounts under IRS rules were updated from 2011 to 2012.
- For Barberton, benefit accruals have been frozen for participants with less than 60 points as of December 31, 2011. For those with 60 or more points, benefit accruals freeze on December 31, 2020 In addition, early retirement window benefits were available to certain participants between May 1, 2008 and April 30, 2011.

Summary of Major Plan Provisions

Glass CIO

Effective date	January 14, 1950
Group Number	050
Status of the plan	The Appendix is frozen to new entrants and no longer has ongoing benefit accruals.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	A + B + C plus $5.00 where: A=$26.00 x continuous service (maximum 18 years) B=$28.00 x continuous service (between 19 and 28 years) C=$30.00 x continuous service (over 28 years)
– Participants of the Glass CIO plan at the Ford City location	A + B + C + D where: A=$18.95 x continuous service (maximum 18 years) B=$20.20 x continuous service (between 19 and 28 years) C=$21.70 x continuous service (over 28 years) D = $5.00

Schedule SB, Part V — Summary of Plan Provisions

Auto Glass Divestiture	Continuous service for purposes of benefit accruals was frozen effective September 30, 2008 due to the divestiture of the auto glass business.
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service or Age 55 plus years of service equals 85
• Benefit	See Exhibit A
Special early retirement	
• Eligibility	Age 62 with 15 years continuous service
• Benefit	Accrued Benefit payable immediately plus temporary supplement payable to 65 equal to the benefit using $16/$18/$20 levels and service at retirement.
Special 30-year retirement[1]	
• Eligibility	30 years continuous service
• Benefit	Accrued Benefit x early retirement factor payable immediately, subject to minimum guaranteed Benefit of $1,215.00 prior to 62 and minimum guaranteed Benefit of $415.00 after 62 and prior to 65; if over 56, the $1,215.00 is increased to $1,515.00 (effective 4/1/2000 this minimum is irrelevant).
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability[2]	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $14.00 x Continuous Service (maximum 25 years) less Disability payments

[1] The Special 30- Year benefit is subject to a minimum guaranteed benefit of $915.00 prior to age 62, if over age 56 the $915.00 is increased to $1,215.00. The minimum guaranteed benefit is $415.00 after age 62 and prior to age 65.

[2] Also includes the Special 30-Year Benefit.

Schedule SB, Part V — Summary of Plan Provisions

Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage
Post retirement death	Reduction in Benefit required for J&S Coverage is removed in event of spouse's death after commencement date of pension with waiting period

Barberton – hired prior to 3/03/2008

Effective date	July 20, 1950
Group Number	051
Status of the plan	Effective March 3, 2008, this Appendix is frozen to new entrants. Active participants that have less than 60 points (age + service) as of 12/31/2011 will not have ongoing benefit accruals after 12/31/2011. Active participants that have greater than 60 points as of 12/31/2011 will not have ongoing benefit accruals after 12/31/2020.
Significant events that occurred during the year	The Appendix has frozen benefit accruals for participants with less than 60 points as of December 31, 2011. In addition, early retirement window benefits were available to certain participants between May 1, 2008 and April 30, 2011.
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire if prior to March 3, 2008
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$50.00 x continuous service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service or Age 55 plus years of service equals 85

Schedule SB, Part V — Summary of Plan Provisions

• Benefit	Accrued Benefit reduced 2.4% for each year prior to 62 or for each Year of Service less than 37, whichever is less.
Special 30-year retirement	
• Eligibility	Age 55 plus 30 years continuous service
• Benefit	Accrued Benefit reduced 2.4% for each year prior to 62 or for each Year of Service less than 37, whichever is less, plus a temporary supplement of $550.00 payable to 62.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	15 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $13.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 55% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Oak Creek – hired prior to 10/22/2007

Effective date	October 21, 1950
Group Number	053
Status of the plan	Effective October 22, 2007, this Appendix is frozen to new entrants. The Appendix has ongoing benefit accruals until December 31, 2015.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire if prior to October 22, 2007
• Employee Contributions	None

Schedule SB, Part V — Summary of Plan Provisions

• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$50.00 x continuous service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement[3]	
• Eligibility	Age 60 plus 10 years continuous service or Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced 2.4% for each year prior to 65; no reduction if at least age 62 at time of retirement. Effective 2/1/2005 a temporary supplement of $550.00 per month payable until age 62 for 55/85 retirements.
Special 25-year retirement[4]	
• Eligibility	Age 58 plus 25 years continuous service
• Benefit	Accrued Benefit reduced 3.6% for each year prior to 62.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 7.2% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $20.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

[3] Various early retirement windows effective December 1, 2007, October 1, 2008, October 1, 2009 and October 1, 2010.

[4] Special 25-year pension reduction reduced to 3.6% per year effective February 1, 2005, QPSA & QJSA % increased to 60% effective February 1, 2005.

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Optional form conversion factors	Joint & Survivor conversion tables were changed from the 90 ± 5 table to the 95 ± 5 table for retirements after February 1, 2002.

Lake Charles – hired prior to 9/01/2006

Effective date	February 23, 1955
Group Number	058
Status of the plan	Effective September 1, 2006, this Appendix is frozen to new entrants. The Appendix has ongoing benefit accruals.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire if prior to September 1, 2006
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$51.00 x continuous service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service or Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced 4.8% for each year prior to 60 or for each Year of Service less than 35, whichever is less.
Special 30-year retirement	
• Eligibility	Age 55 plus 30 years continuous service
• Benefit	Accrued Benefit reduced 2.4% for each year prior to 60 or for each Year of Service less than 35, whichever is less, plus a temporary supplement of $550.00 payable to 62.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.

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Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $15.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage
Optional form conversion factor	The Joint & Survivor conversion table was changed from the 90% ± 5 table to the 95% ± 5 table effective May 1, 2000.

Greensburg

Effective date	December 30, 1954
Group Number	060
Status of the plan	The Appendix has ongoing benefit accruals and new employees are eligible to participate once they satisfy the participation requirements.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	A + B + C plus $5.00 where: A = $21.00 x Continuous Service (Maximum 18 Years) B = $23.00 x Continuous Service (Between 19 and 28 Years) C = $25.00 x Continuous Service (Over 28 Years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately

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Early retirement	
• Eligibility	Age 60 plus 10 years continuous service or Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced for each year prior to 62. See Exhibit A
Special early retirement	
• Eligibility	Age 62 with 15 years continuous service
• Benefit	Accrued Benefit payable immediately plus temporary supplement equal to Accrued Benefit, payable to 65
Special 30-year retirement	
• Eligibility	30 years continuous service
• Benefit	Accrued Benefit x early retirement factor payable immediately, subject to minimum guaranteed Benefit of $1,215.00 prior to 62 and minimum guaranteed Benefit of $415.00 after 62 and prior to 65; if over 56, the $1,215.00 is increased to $1,515.00.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability[5]	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $14.00 x Continuous Service (maximum 25 years) less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage
Post retirement death	Reduction in Benefit required for J&S Coverage is removed in event of spouse's death after commencement date of pension with waiting period

Natrium – hired prior to 2/16/2006

Effective date	Restated plan: July 2, 1956

[5] Also includes the Special 30 Year Benefit.

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Group Number	064
Status of the plan	Effective July 16, 2006, this Appendix is frozen to new entrants. The Appendix has ongoing benefit accruals.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire if prior to February 16, 2006
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$51.00 x continuous service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement[6]	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 2.4% for each year prior to 60 or for each Year of Service less than 35, whichever is less
Special 30-year retirement	
• Eligibility	Age 55 plus 30 years continuous service
• Benefit	Accrued Benefit reduced 2.4% for each year prior to 60 or for each Year of Service less than 35, whichever is less, plus a temporary supplement of $550.00 payable to 62
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service

[6] Early retirement windows effective April 1, 2005 and March 1, 2007 will increase the temporary supplement to $900.00.

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• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $17.50 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Natrium II – hired on or after 2/16/2006

Effective date	July 2, 1956
Group Number	064
Status of the plan	The Appendix has ongoing benefit accruals and new employees are eligible to participate once they satisfy the participation requirements.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire if on or after February 16, 2006
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$33.00 x continuous service
Normal retirement	
• Eligibility	SSNRA
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 2.4% for each year prior to SSNRA or for each Year of Service less than 35, whichever is less
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to SSNRA once eligible for early.

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Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $10.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Springdale Hourly

Effective date	October 24, 1957
Group Number	067
Status of the plan	Effective June 30, 2008, this Appendix is frozen to new entrants. The Appendix has ongoing benefit accruals.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility[7]	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$46.00 x continuous service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	• Age 60 plus 10 years continuous service • Age 56 plus years of service equals 85 • Age 58 with 30 years continuous service

[7] The plan is frozen to new entrants at this location effective June 30, 2008.

Schedule SB, Part V — Summary of Plan Provisions

• Benefit	• Accrued Benefit reduced for each year prior to 62 for 60 and 10 retirements • See Exhibit A. Effective 11/1/2002 reduction was changed to .002% per month under age 62 for age 55 plus service equal 85 retirements • The greater of the Early Retirement Benefit calculated above and the accrued benefit as of 1/1/1988 payable immediately for 58 and 30 retirements
Special early retirement	
• Eligibility	Age 62 with 13 years continuous service
• Benefit	Accrued Benefit payable immediately plus temporary supplement equal to $10.00 x Continuous Service payable to 65; Accrued Benefit recomputed at 65
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $16.00 x Continuous Service (maximum $400.00) less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 55% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage
Post retirement death	Reduction in Benefit required for J&S Coverage is removed in event of spouse's death after commencement date of pension with waiting period

Kokomo

Effective date	August 1, 1959
Group Number	072
Status of the plan	The Appendix has no active employees remaining.
Significant events that occurred during the year	None

Schedule SB, Part V — Summary of Plan Provisions

Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$19.50 x continuous service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 6.667% for each year prior to 62
Special early retirement	
• Eligibility	Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced 6.667% for each year prior to 62 plus temporary supplement equal to $500.00 payable to 62
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $.50 x Continuous Service (maximum $400.00) less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Schedule SB, Part V — Summary of Plan Provisions

Mt. Zion

Effective date	August 31, 1966
Group Number	073
Status of the plan	The Appendix has ongoing benefit accruals and new employees are eligible to participate once they satisfy the participation requirements.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	A + B + C plus $5.00 where: A = $25.00 x continuous service (maximum 18 years) B = $27.00 x continuous service (between 19 and 28 years) C = $29.00 x continuous service (over 28 years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced for each year prior to 62 for 60 and 10 retirements See Exhibit A otherwise
Special early retirement	
• Eligibility	Age 62 plus 15 years of continuous service
• Benefit	Accrued Benefit payable immediately plus temporary supplement payable to age 65 equal to the benefit calculated using rates of $17/$19/$21 and service at 12/31/1999 plus service earned after 7/1/2002

Schedule SB, Part V — Summary of Plan Provisions

Special 30 year retirement	
• Eligibility	30 years continuous service
• Benefit	Accrued Benefit x early retirement factor payable immediately, subject to minimum guaranteed Benefit of $1,215 prior to 62 and minimum guaranteed Benefit of $415 after 62 and prior to 65; if over 56, the $1,215 is increased to $1,515. At age 62, benefit is recalculated using service at 12/31/1999 plus service earned after 7/1/2002
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability[8]	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $14.00 x Continuous Service (maximum $350.00) less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage
Post retirement death	Reduction in Benefit required for J&S Coverage is removed in event of spouse's death after commencement date of pension with waiting period

East Point – hired prior to 12/01/2007

Effective date	October 1, 1964
Group Number	076
Status of the plan	Effective December 1, 2007, this Appendix is frozen to new entrants (employees hired on or after December 1, 2007 are eligible for DC benefits only). The Appendix has ongoing benefit accruals.
Significant events that occurred during the year	None

[8] Also includes the Special 30-Year Benefit.

Schedule SB, Part V — Summary of Plan Provisions

Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire if prior to December 1, 2007
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$36.50 x continuous service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 62 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 6.667% for each year prior to 65.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	15 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $10.95 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Glass Clerical

Effective date	April 1, 1956
Group Number	078
Status of the plan	The union was decertified effective at the end of August 2002. Beginning January 1, 2003 these employees became covered in the RIP.

Schedule SB, Part V — Summary of Plan Provisions

Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	A + B + C where: A = $23.00 x Continuous Service (Maximum 18 Years) B = $25.00 x Continuous Service (Between 19 and 28 Years C = $27.00 x Continuous Service (Over 28 Years)
– Participants of the Glass Clerical Plan at the Ford City location	A + B + C where: A = $18.95 x Continuous Service (Maximum 18 Years) B = $20.20 x Continuous Service (Between 19 and 28 Years C = $21.70 x Continuous Service (Over 28 Years)
– Participants of the Glass Clerical Plan at the Crystal City location	A + B + C where: A = $20.50 x Continuous Service (Maximum 18 Years) B = $22.50 x Continuous Service (Between 19 and 28 Years C = $24.50 x Continuous Service (Over 28 Years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 62 plus 10 years continuous service Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced for each year prior to 62 for 60 and 10 retirements See Exhibit A otherwise
Special early retirement	
• Eligibility	Age 52 with 15 years of continuous service (as of 12/31/1996)

Schedule SB, Part V — Summary of Plan Provisions

• Benefit	Accrued Benefit payable immediately plus temporary supplement payable to age 65 equal to the benefit calculated using levels of $23/$25/$27 and service at 12/31/1996
Special 30-Year	
• Eligibility	30 years continuous service (if hired before 9/1/1996)
• Benefit	Accrued Benefit based on continuous service as of 12/31/1996 x early retirement factor payable immediately, subject to minimum guaranteed Benefit of $1,215.00 prior to 62 and minimum guaranteed Benefit of $415.00 after 62 and prior to 65; if over 56, the $1,215.00 is increased to $1,515.00. At age 62, benefit is recalculated using service at 12/31/1996.
— Glass Clerical Plan at the Ford City location	The Special 30-Year Benefit is subject to a minimum guaranteed benefit of $915.00 prior to age 62; if over age 56 the $915.00 is increased to $1,215.00. The minimum guaranteed benefit is $415.00 after age 62 and prior to age 65.
— Glass Clerical Plan at the Crystal City location	The Special 30-Year Benefit is subject to a minimum guaranteed benefit of $1,515.00. The minimum guaranteed benefit is $415.00 after age 62 and prior to age 65
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability[9]	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $14.00 x Continuous Service (maximum 25 years) less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage
Post retirement death	Reduction in Benefit required for J&S Coverage is removed in event of spouse's death after commencement date of pension with waiting period

[9] Also includes the Special 30-Year Benefit.

Schedule SB, Part V — Summary of Plan Provisions

Fresno

Effective date	April 22, 1968
Group Number	081
Status of the plan	The Appendix has ongoing benefit accruals and new employees are eligible to participate once they satisfy the participation requirements.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	A + B + C plus $5.00 where: A = $25.00 x Continuous Service (Maximum 18 Years) B = $27.00 x Continuous Service (Between 19 and 28 Years C = $29.00 x Continuous Service (Over 28 Years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced for each year prior to 62 for 60 and 10 retirements See Exhibit A otherwise
Special early retirement	
• Eligibility	Age 62 with 15 years of continuous service
• Benefit	Accrued Benefit payable immediately plus temporary supplement payable to age 65 equal to the benefit using $17/$19/$21 levels and service at retirement
Special 30-year retirement	
• Eligibility	30 years continuous service

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• Benefit	Accrued Benefit x early retirement factor payable immediately, subject to minimum guaranteed Benefit of $1,215.00 prior to 62 and minimum guaranteed Benefit of $415.00 after 62 and prior to 65; if over 56, the $1,215.00 is increased to $1,515
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability[10]	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $14.00 x Continuous Service (maximum $350.00) less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage
Post retirement death	Reduction in Benefit required for J&S Coverage is removed in event of spouse's death after commencement date of pension with waiting period

Delaware – hired prior to 2/25/2007

Effective date	February 3, 1969
Group Number	082
Status of the plan	Effective February 25, 2007, the Appendix is frozen to new entrants. The Appendix has ongoing benefit accruals.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire if prior to February 25, 2007

[10] Also includes the Special 30-Year Benefit.

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• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$50.00 x Continuous Service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement[11]	
• Eligibility	Age 60 plus 10 years continuous service Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced 2.4% for each year prior to 62. Effective 3/1/2001 a temporary supplement of $550 per month payable until age 62 for 55/85 retirements.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.0% for each year prior to 65 once eligible for early (early for TVs only with 60 and 10).
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $21.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Delaware II – hired on or after 2/25/2007

Effective date	February 3, 1969
Group Number	082
Status of the plan	The Appendix has ongoing benefit accruals and new employees are eligible to participate once they satisfy the participation requirements.

[11] Early retirement windows effective June 1, 2007, January 1, 2008, June 1, 2008 and April 1, 2010 will increase the temporary supplement to $900.00.

Schedule SB, Part V — Summary of Plan Provisions

Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$35.00 x Continuous Service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced 2.4% for each year prior to 62. Effective 3/1/2001 a temporary supplement of $550 per month payable until age 62 for 55/85 retirements.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.0% for each year prior to 65 once eligible for early (early for TVs only with 60 and 10).
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to 65 equal to $15.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Schedule SB, Part V — Summary of Plan Provisions

Memphis C&S

Effective date	July 1, 1969
Group Number	083
Status of the plan	Spun off to PPG Auto Glass effective October 1, 2000. Decertified April 1, 2001, and became covered by Auto Glass Retirement Income Plan.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$13.00 x Continuous Service (maximum 35 years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 7.2% for each year prior to 65.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 7.2% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Schedule SB, Part V — Summary of Plan Provisions

Circleville – hired prior to 11/01/2004

Effective date	June 20, 1965
Group Number	087
Status of the plan	Effective November 1, 2004, this Appendix is frozen to new entrants. The Appendix has ongoing benefit accruals.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire if prior to November 1, 2004
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$50.50 x Continuous Service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced 2.4% for each year prior to 62. Effective 9/1/2001 a temporary supplement of $550.00 per month payable until age 62 for 55/85 retirements.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus if not eligible for Social Security, a temporary supplement payable to age 65 equal to $25.25 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service

Schedule SB, Part V — Summary of Plan Provisions

• Benefit	Surviving Spouse receives 60% of Benefit effective 7/1/2001 calculated as if participant retired early at first possible date and elected J&S Coverage
Optional form conversion factor	Joint & Survivor conversion tables were changed from the 90% ± 5 to the 95% ± 5 table for retirements on or after August 1, 1995.

Circleville II – hired on or after 11/01/2004

Effective date	June 20, 1965
Group Number	087
Status of the plan	The Appendix has ongoing benefit accruals and new employees are eligible to participate once they satisfy the participation requirements.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$33.00 x Continuous Service
Normal retirement	
• Eligibility	SSNRA
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 2.4% for each year prior to SSNRA.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service

Schedule SB, Part V — Summary of Plan Provisions

• Benefit	Accrued Benefit payable immediately, plus if not eligible for Social Security, a temporary supplement payable to age 65 equal to $16.50 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit effective 7/1/2001 calculated as if participant retired early at first possible date and elected J&S Coverage

Roanoke C&S

Effective date	August 1, 1971
Group Number	088
Status of the plan	Union Contract expired on August 31, 1999. All accrued benefits under this appendix were frozen at that date. Benefit accruals for service after August 31, 1999 are earned under the Glass Voluntary appendix.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$13.00 x Continuous Service (maximum 35 years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 7.2% for each year prior to 65.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 7.2% for each year prior to 65 once eligible for early.

Schedule SB, Part V — Summary of Plan Provisions

Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Stokertown

Effective date	January 1, 1979
Group Number	091
Status of the plan	Facility sold effective September 30, 1994. All non-vested employees were vested regardless of service.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$18.00 x Continuous Service (maximum 35 years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 55 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 5.00% for each year prior to 65.
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 5.0% for each year prior to 65 once eligible for early.

Schedule SB, Part V — Summary of Plan Provisions

Disability	
• Eligibility	15 years continuous service
• Benefit	Accrued Benefit payable immediately
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 55% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Torrance

Effective date	November 1, 1987
Group Number	094
Status of the plan	The Torrance plant was shut down in early 2000.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$30.00 x Continuous Service (maximum 35 years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 62 plus 10 years continuous service
• Benefit	Accrued Benefit unreduced
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 7.2% for each year prior to 65 once eligible for early.

Schedule SB, Part V — Summary of Plan Provisions

Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to age 65 equal to $14.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Crystal City

Effective date	January 1, 1989
Group Number	095
Status of the plan	The Appendix has no active employees remaining.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	A + B + C where: A = $20.50 x Continuous Service (maximum 18 years) B = $22.50 x Continuous Service (maximum 19 and 28 years) C = $24.50 x Continuous Service (over 28 years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service Age 55 plus years of service equals 85
• Benefit	Accrued Benefit reduced for each year prior to 62. See Exhibit A.

Schedule SB, Part V — Summary of Plan Provisions

Special early retirement	
• Eligibility	62 plus 15 years continuous service
• Benefit	Accrued Benefit payable immediately plus temporary supplement equal to Accrued Benefit payable to 65
Special 30-year retirement	
• Eligibility	30 years continuous service
• Benefit	Accrued Benefit x early retirement factor payable immediately, subject to minimum guaranteed Benefit of $1,515.00 prior to 62 and minimum guaranteed Benefit of $415.00 after 62 and prior to 65
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.667% for each year prior to 65 once eligible for early.
Disability[12]	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to age 65 equal to $14.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 60% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage
Post retirement death	Reduction in Benefit required for J&S Coverage is removed in event of spouse's death after commencement date of pension with waiting period

Louisville – hired before 10/08/2006

Effective date	January 1, 1990
Group Number	097
Status of the plan	Effective October 8, 2006, this Appendix is frozen to new entrants (employees hired on or after October 8, 2006 are eligible for DC benefits only). The Appendix has ongoing benefit accruals.

[12] Also includes the Special 30-year benefit.

Schedule SB, Part V — Summary of Plan Provisions

Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From later of date of hire or 01/01/1990
• Plan eligibility	Date of hire if prior to October 8, 2006
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$36.00 x Continuous Service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 62 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 4.80% effective 11/1/2002 for each year prior to 65
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 7.2% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately, plus, if not eligible for Social Security, a temporary supplement payable to age 65 equal to $18.00 x Continuous Service less Disability payments
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Lansing

Effective date	January 25, 1999
Group Number	086

Schedule SB, Part V — Summary of Plan Provisions

Status of the plan	Spun off to PPG Auto Glass effective October 1, 2000. Decertified February 1, 2001, and became covered by Auto Glass Retirement Income Plan.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees
• Accrued Benefit	$20.00 x Continuous Service (maximum 35 years)
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 7.2% for each year prior to 65
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 7.2% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Evart

Effective date	January 1, 1999
Group Number	098

Schedule SB, Part V — Summary of Plan Provisions

Status of the plan	This Appendix is frozen to new entrants and no longer has ongoing benefit accruals.
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$26.00 x Continuous Service
Auto Glass Divestiture	Continuous service for purposes of benefit accruals was frozen effective September 30, 2008 due to the divestiture of the auto glass business.
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 6.67% for each year prior to 65
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 6.67% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately plus a temporary supplement payment payable to 65 equal to $4.00 x Continuous Service effective 1/01/06
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Schedule SB, Part V — Summary of Plan Provisions

Greensboro C&S

Effective date	February 15, 1973
Group Number	184
Status of the plan	Spun off to PPG Auto Glass effective October 1, 2000
Significant events that occurred during the year	None
Definitions	
• Type of Plan	Dollar per month
• Normal Form	Life annuity
• Continuous Service	From date of hire
• Plan eligibility	Date of hire
• Employee Contributions	None
• Class	Hourly employees covered by Bargaining Agreement
• Accrued Benefit	$18.50 x Continuous Service
Normal retirement	
• Eligibility	Age 65
• Benefit	Accrued Benefit payable immediately
Early retirement	
• Eligibility	Age 60 plus 10 years continuous service
• Benefit	Accrued Benefit reduced 7.2% for each year prior to 65
Deferred vested	
• Eligibility	5 years continuous service
• Benefit	Accrued Benefit deferred to 65 or reduced 7.2% for each year prior to 65 once eligible for early.
Disability	
• Eligibility	10 years continuous service
• Benefit	Accrued Benefit payable immediately
Pre-retirement death	
• Eligibility	5 years continuous service
• Benefit	Surviving Spouse receives 50% of Benefit calculated as if participant retired early at first possible date and elected J&S Coverage

Schedule SB, Part V — Summary of Plan Provisions

Hourly Pension Plans
Benefit Level Summary

Number	Appendix Name	Date of Most Recent Contract	Benefit Level on 1/1/2012	Benefit Level in Year of Contract*		
				1	2	3
051	Barberton	03/03/2008	50.00	50.00	50.00	50.00
053	Oak Creek	10/29/2007	50.00	50.00	50.00	50.00
058	Lake Charles	09/01/2006	51.00	51.00	51.00	51.00
064	Natrium	02/16/2006	51.00	48.00	48.00	51.00
064	Natrium II	08/18/2005	33.00	33.00	33.00	33.00
067	Springdale Hourly	06/30/2008	46.00	46.00	46.00	46.00
072	Kokomo	04/01/1989	19.50	17.50	18.50	19.50
076	East Point	10/08/2007	36.50	36.50	36.50	36.50
082	Delaware	02/25/2007	50.00	50.00	50.00	50.00
082	Delaware II	02/25/2007	35.00	35.00	35.00	35.00
083	Memphis C&S	03/31/1998	13.00	13.00	13.00	13.00
087	Circleville	09/26/2004	50.50	50.50	50.50	50.50
087	Circleville II	09/26/2004	33.00	33.00	33.00	33.00
088	Roanoke C&S	08/29/1996	13.00	12.00	12.00	13.00
091	Stockertown	10/08/1992	18.00	16.00	17.00	18.00
094	Torrance	09/27/1999	30.00	30.00	30.00	30.00
098	Evart	05/20/2007	26.00	26.00	26.00	26.00
086	Lansing	01/25/1999	20.00	20.00	20.00	20.00
184	Greensboro C&S	01/11/2002	20.00	20.00	20.50	21.00
			Benefit Level Depends on Service			
Same Benefit Level for Following Appendices						
050	Glass CIO (Ford City)	02/09/1990	18.95	18.95	18.95	18.95
			20.20	20.20	20.20	20.20
			21.70	21.70	21.70	21.70

* Minimum required contribution has been determined based on funding target and normal cost recognizing the highest benefit committed to as of January 1, 2012.

Schedule SB, Part V — Summary of Plan Provisions

Number	Appendix Name	Date of Most Recent Contract	Benefit Level on 1/1/2012	Benefit Level in Year of Contract*		
				1	2	3
050	Glass CIO** (except Ford City)	03/19/2003	$ 26.00	$ 25.00	$ 25.00	$ 25.00
			28.00	27.00	27.00	27.00
			30.00	29.00	29.00	29.00
060	Greensburg	06/05/1990	21.00	21.00	21.00	21.00
			23.00	23.00	23.00	23.00
			25.00	25.00	25.00	25.00
073	Mt. Zion	03/12/2003	25.00	25.00	25.00	25.00
			27.00	27.00	27.00	27.00
			29.00	29.00	29.00	29.00
078	Glass Clerical (Ford City)	02/01/1990	18.95	18.95	18.95	18.95
			20.20	20.20	20.20	20.20
			21.70	21.70	21.70	21.70
078	Glass Clerical (Creighton)	08/30/1999	23.00	23.00	23.00	23.00
			25.00	25.00	25.00	25.00
			27.00	27.00	27.00	27.00
078	Glass Clerical (Crystal City)	10/30/1990	20.50	20.50	N/A	N/A
			22.50	22.50	N/A	N/A
			24.50	24.50	N/A	N/A
081	Fresno	10/22/2008	25.00	25.00	25.00	25.00
			27.00	27.00	27.00	27.00
			29.00	29.00	29.00	29.00
095	Crystal City	10/30/1990	20.50	20.50	N/A	N/A
			22.50	22.50	N/A	N/A
			24.50	24.50	N/A	N/A
097	Louisville	10/05/2006	36.00	36.00	36.00	36.00

* Minimum required contribution has been determined based on funding target and normal cost recognizing the highest benefit committed to as of January 1, 2012.

** Creighton goes to $26/$28/$30 in 4th year of contract.

Schedule SB, Part V — Summary of Plan Provisions

The following appendices have Special 30-year retirement minimum guaranteed monthly benefits, payable to age 62 as follows:

Number	Appendix Name	Effective Date	Guaranteed Monthly Benefits	
			Age < 56	Age > 56
050	Glass CIO (except Ford City*)	Current	$ 1,215	$ 1,515
060	Greensburg (Age 56 requirement waived due to plant closure)	Current	1,215	1,515
073	Mt. Zion	Current	1,215	1,515
078	Glass Clerical (Creighton only)	Current	1,215	1,515
078	Glass Clerical (Crystal City)(Age 56 waived since Plant shutdown)	Current	1,515	1,515
081	Fresno	Current	1,215	1,515
095	Crystal City (Age 56 requirement not effective since plant shutdown)	Current	1,515	1,515

* For Ford City Age 56 requirement waived due to plant closure.

Early Retirement Reduction Percentages

Greensburg, Mt. Zion, Glass Clerical, Fresno, Glass CIO, Springdale Hourly and Crystal City

Age When Pension Commences	Percentage
55	57.9%
56	63.5
57	69.4
58	75.2
59	80.8
60	86.7
61	93.3
62 and over	100.0

Schedule SB, Part V — Summary of Plan Provisions

Maximum Benefit Limitation

Annual benefits may not exceed the limits in IRC Section 415. This limit is indexed annually. For 2012, the limit is $200,000.

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

Actuarial assumptions

Discount rate sponsor elections	
• Segment rates or full yield curve	Segment
• Look-back months	4
• First 5 years	2.06%
• Next 15 years	5.25%
• Over 20 years	6.31%
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	Revenue Ruling 96-7 table for participants who became disabled before 1995
• Post-1994 disabilities	Revenue Ruling 96-7 table for participants who became disabled after 1994 and are eligible for Social Security disability benefits
417(e) lump sums	Not applicable
Other economic assumptions	
• Salary increases	Not applicable
• Flat-dollar benefit increases	0.00% per year
• Social Security wage base	Not applicable
• Inflation	3.00% per year
• Expected investment return	8.00% per year for 2011 and 7.50% per year for 2012
• Expenses	$2,445,000 added to current year normal cost
Demographic assumptions	
• Withdrawal	See table of sample rates.
• Disability incidence	See table of sample rates. 100% of participants becoming disabled are assumed to be eligible for Social Security disability benefits.

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

- Retirement age

	Rate	
Age	**Hourly**	**Special Early 30**
55	10	10
56	10	10
57	10	10
58	10	50
59	10	50
60	25	50
61	25	300
62	150	300
63	150	300
64	200	1000
65	1000	1000
66	1000	1000
67	1000	1000
68	1000	1000
69	1000	1000
70	1000	1000
Average Retirement Age	63.6	62.6

PGW participants are assumed to retire at their earliest eligibility.

- Benefit commencement age for
  - Future vested deferred 65
  - Current vested deferred 65

	Male participants	**Female participants**
• Spouse assumptions		
– Percentage married	75%	60%
– Spouse age difference	3 years younger	3 years older

Form of payment	**Single life**	**Qualified% J&S**
• Active retirements	100%	0%
• Future vested deferred	100%	0%
• Future disabilities	100%	0%
• Future deaths	0%	100%
• Current vested deferred	100%	0%

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

Unpredictable contingent event assumptions	Not applicable

Table of Sample Rates

	Annual Rate per 1,000 Participants			
	Termination		Disability	
Age	**Male**	**Female**	**Male**	**Female**
20	258	258	.70	.70
25	170	170	.90	.90
30	94	94	1.10	1.10
35	67	67	1.40	1.40
40	50	50	1.90	1.90
45	38	38	3.00	3.00
50	27	27	5.10	5.10
55	16	16	9.60	9.60
60	0	0	16.60	16.60
65	0	0	0.00	0.00

Actuarial Methods for Funding

Asset Methods – Effective January 1, 2008

The asset valuation method is an average of the adjusted market value for each year during the last year preceding the valuation date (two data points). 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.

Participant Methods – Effective January 1, 2008

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

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

- **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.
- This plan provides benefits that are not a function of a participant's accrued benefit or years of service. This benefit is allocated to funding target based on the ratio of the participant's service at the beginning of the plan year to their service at each decrement age and is allocated to target normal cost based on the proportionate benefit attributable to the increase in the participant's service and compensation during the plan year.
- 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.

Schedule SB, Line 26 – Schedule of Active Participant Data

Attained age	Years of credited service										
	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Up	Total
Under 25	6	4									10
25-29	7	16	3								26
30-34	6	15	37	11							69
35-39	5	20	49	61	16						151
40-44	2	20	52	88	58	20					240
45-49	3	27	44	64	75	83	31	3			330
50-54	2	19	29	70	70	92	108	131	11		532
55-59	2	24	19	29	58	82	89	126	65	4	498
60-64		23	7	10	26	27	29	39	27	17	205
65-69		4	2	1	3	2	1	4	4	8	29
70 & Up		5					1			2	8
Total	33	177	242	334	306	306	259	303	107	31	2,098

In each cell, the number is the count of active participants for each age/service combination.

SCHEDULE SB (Form 5500)

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Single-Employer Defined Benefit Plan Actuarial Information

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

▶ File as an attachment to Form 5500 or 5500-SF.

OMB No. 1210-0110

2012

This Form is Open to Public Inspection

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

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

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

A Name of plan

Retirement Pension Plan

B Three-digit plan number (PN) ▶ 091

C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF

PPG Industries, Inc.

D Employer Identification Number (EIN)

25-0730780

E Type of plan: [X] Single [ ] Multiple-A [ ] Multiple-B

F Prior year plan size: [ ] 100 or fewer [ ] 101-500 [X] More than 500

Part I Basic Information

1 Enter the valuation date: Month 1 Day 1 Year 2012

2 Assets:

a Market value	2a	571,800,519
b Actuarial value	2b	564,627,430

3 Funding target/participant count breakdown:

		(1) Number of participants	(2) Funding Target
a For retired participants and beneficiaries receiving payment	3a	3,403	324,563,263
b For terminated vested participants	3b	1,944	41,660,919
c For active participants:			
(1) Non-vested benefits	3c(1)		13,689,525
(2) Vested benefits	3c(2)		115,866,150
(3) Total active	3c(3)	2,098	129,555,675
d Total	3d	7,445	495,779,857

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	6.96 %
6 Target normal cost	6	6,849,100

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

JPB

Signature of actuary

9-25-2013

Date

Jeffry P. Blaszkowski

Type or print name of actuary

11-06646

Most recent enrollment number

Mercer

Firm name

(313) 259-5500

Telephone number (including area code)

600 Renaissance Center, Suite 1800

Detroit MI 48243

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 [ ]

Part II Beginning of Year Carryover Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	91,563,352	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	1,897,527	0
9 Amount remaining (line 7 minus line 8)	89,665,825	0
10 Interest on line 9 using prior year's actual return of 9.23 %	8,276,156	
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		1,670,563
b Interest on (a) using prior year's effective interest rate of 6.23 % except as otherwise provided (see instructions)		154,193
c Total available at beginning of current plan year to add to prefunding balance		1,824,756
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)	97,941,981	0

Part III Funding Percentages

14 Funding target attainment percentage	14	94.13 %
15 Adjusted funding target attainment percentage	15	113.88 %
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	101.78 %
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
			Totals ▶ 18(b)	0	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	0

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? [X] Yes [ ] No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? [X] Yes [ ] No

c If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th
0	0	0	0

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

21 Discount rate:

a Segment rates:

1st segment:	2nd segment:	3rd segment:	
5.54 %	6.85 %	7.52 %	☐ N/A, full yield curve used

b Applicable month (enter code)	**21b**	4
22 Weighted average retirement age	**22**	63

23 Mortality table(s) (see instructions) ☐ Prescribed - combined ☒ Prescribed - separate ☐ Substitute

Part VI Miscellaneous Items

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

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):		
a Target normal cost (line 6)	**31a**	6,849,100
b Excess assets, if applicable, but not greater than line 31a	**31b**	0

32 Amortization installments:	Outstanding Balance	Installment
a Net shortfall amortization installment	0	0
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**	6,849,100

	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	6,933,180	0	6,933,180

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**	0
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**	

THE BANK OF NEW YORK MELLON.

5500 SCHEDULE OF INVESTMENTS AT END OF PLAN YEAR
REVALUED COST
31 DECEMBER 2012

PII F172955
PPG INDUSTRIES PENSION PL
RETIREMENT PENSION PLAN

SHARES/ PAR VALUE	SECURITY DESCRIPTION	COST	PRICE	MARKET VALUE	UNREALIZED GAIN/LOSS	
MASTER TRUSTS						
73,527,190.5530	PPG PENSION MASTER TRUST UNIT	554,095,065.51	8.4516	621,427,182.95	67,332,117.44	
TOTAL MASTER TRUSTS		554,095,065.51		621,427,182.95	67,332,117.44	
	GRAND TOTAL	554,095,065.51		621,427,182.95	0.00	C
					67,332,117.44	I
					67,332,117.44	