

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 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 2016 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2016 or fiscal plan year beginning <u>01/01/2016</u> and ending <u>12/31/2016</u>			
A	This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____	
B	This return/report is:	☒ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)	
C	If the plan is a collectively-bargained plan, check here. ☐		
D	Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)	

Part II	Basic Plan Information —enter all requested information		
1a	Name of plan <u>RETIREMENT PLAN OF GCP APPLIED TECHNOLOGIES INC. CHEMICAL GROUP (NON-UNION HOURLY EMPLOYEES)</u>	1b	Three-digit plan number (PN) ► <u>002</u>
		1c	Effective date of plan <u>01/01/2016</u>
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>GCP APPLIED TECHNOLOGIES INC.</u> <u>62 WHITTEMORE AVENUE</u> <u>CAMBRIDGE, MA 02140</u>	2b	Employer Identification Number (EIN) <u>47-3936076</u>
		2c	Plan Sponsor's telephone number <u>617-876-1400</u>
		2d	Business code (see instructions) <u>325100</u>

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

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

SIGN HERE	Filed with authorized/valid electronic signature.	10/16/2017	CHARLOTTE MERRELL
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
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)			Preparer's telephone number

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN
	3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN and the plan number from the last return/report: a Sponsor's name	4b EIN 4c PN
5 Total number of participants at the beginning of the plan year	5 69
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).	
a(1) Total number of active participants at the beginning of the plan year.....	6a(1) 69
a(2) Total number of active participants at the end of the plan year	6a(2) 69
b Retired or separated participants receiving benefits.....	6b 1
c Other retired or separated participants entitled to future benefits	6c 2
d Subtotal. Add lines 6a(2) , 6b , and 6c	6d 72
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	6e 0
f Total. Add lines 6d and 6e	6f 72
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 1
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1B	
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☒ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☐ H (Financial Information) (2) ☒ I (Financial Information – Small Plan) (3) ☐ A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2016 Form M-1 annual report. If the plan was not required to file the 2016 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

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

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

A Name of plan <u>RETIREMENT PLAN OF GCP APPLIED TECHNOLOGIES INC. CHEMICAL GROUP (NON-UNION HOURLY EMPLOYEES)</u>	B Three-digit plan number (PN) ▶ <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>GCP APPLIED TECHNOLOGIES INC.</u>	D Employer Identification Number (EIN) <u>47-3936076</u>
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2016</u>	
2 Assets:	
a Market value	2a <u>1962173</u>
b Actuarial value	2b <u>1962173</u>
3 Funding target/participant count breakdown	
a For retired participants and beneficiaries receiving payment	(1) Number of participants <u>0</u> (2) Vested Funding Target <u>0</u> (3) Total Funding Target <u>0</u>
b For terminated vested participants	<u>0</u> <u>0</u> <u>0</u>
c For active participants	<u>69</u> <u>1343173</u> <u>1556262</u>
d Total	<u>69</u> <u>1343173</u> <u>1556262</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)	☐
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 <u>6.20 %</u>
6 Target normal cost	6 <u>75803</u>

Statement by Enrolled Actuary

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

SIGN HERE	
Signature of actuary	<u>08/09/2017</u>
<u>TRICIA SCHWABENBAUER</u>	Date
Type or print name of actuary	<u>17-07200</u>
<u>AON CONSULTING, INC.</u>	Most recent enrollment number
Firm name	<u>410-547-2990</u>
<u>500 EAST PRATT STREET</u> <u>BALTIMORE, MD 21202</u>	Telephone number (including area code)
Address of the firm	

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

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2016
v. 160205

Part II Beginning of Year Carryover and Prefunding Balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year)		
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)		
9	Amount remaining (line 7 minus line 8)	0	0
10	Interest on line 9 using prior year's actual return of _____ %		
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		929180
b(1)	Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>6.21</u> %		57702
b(2)	Interest on line 38b from prior year Schedule SB, using prior year's actual return		
c	Total available at beginning of current plan year to add to prefunding balance		986882
d	Portion of (c) to be added to prefunding balance		684724
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)	95	717068

Part III Funding Percentages			
14	Funding target attainment percentage	14	80.00%
15	Adjusted funding target attainment percentage	15	126.08%
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	116.58%
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?	☐ Yes ☒ No	
b	If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?	☐ Yes ☐ No	
c	If line 20a is "Yes," see instructions and complete the following table as applicable:		
Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V	Assumptions Used to Determine Funding Target and Target Normal Cost		
21	Discount rate:		
a	Segment rates:	<div style="display: flex; justify-content: space-around;"> <div>1st segment: 4.43%</div> <div>2nd segment: 5.91%</div> <div>3rd segment: 6.65%</div> </div>	☐ N/A, full yield curve used
b	Applicable month (enter code)	21b	4
22	Weighted average retirement age	22	58
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	75803
b	Excess assets, if applicable, but not greater than line 31a	31b	0
32	Amortization installments:	Outstanding Balance	Installment
a	Net shortfall amortization installment	311252	51426
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	127229
		Carryover balance	Prefunding balance
35	Balances elected for use to offset funding requirement	95	127134
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	

SCHEDULE C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110
		2016
		This Form is Open to Public Inspection.

For calendar plan year 2016 or fiscal plan year beginning **01/01/2016** and ending **12/31/2016**

A Name of plan RETIREMENT PLAN OF GCP APPLIED TECHNOLOGIES INC. CHEMICAL GROUP (NON-UNION HOURLY EMPLOYEES)	B Three-digit plan number (PN) ▶ 002
C Plan sponsor's name as shown on line 2a of Form 5500 GCP APPLIED TECHNOLOGIES INC.	D Employer Identification Number (EIN) 47-3936076

Part I	Service Provider Information (see instructions)
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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 THE NORTHERN TRUST COMPANY

36-1561860

(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)

AON CONSULTING

22-2232264

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
11 50	NONE	10159	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

(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 ☐

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)

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

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

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

(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:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

a Name:	b EIN:
c Position:	
d Address:	e Telephone:

Explanation:

SCHEDULE D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 <div style="text-align: center; font-size: 1.2em; font-weight: bold;">2016</div> This Form is Open to Public Inspection.
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

A Name of plan <u>RETIREMENT PLAN OF GCP APPLIED TECHNOLOGIES INC. CHEMICAL GROUP (NON-UNION HOURLY EMPLOYEES)</u>	<table style="width:100%;"> <tr> <td style="width:80%;">B Three-digit plan number (PN) ►</td> <td style="width:20%; text-align: center;"><u>002</u></td> </tr> </table>	B Three-digit plan number (PN) ►	<u>002</u>
B Three-digit plan number (PN) ►	<u>002</u>		
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>GCP APPLIED TECHNOLOGIES INC.</u>	D Employer Identification Number (EIN) <u>47-3936076</u>		

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: <u>GCP MASTER RETIREMENT TRUST</u>		
b Name of sponsor of entity listed in (a): <u>GCP APPLIED TECHNOLOGIES INC.</u>		
c EIN-PN <u>30-0888367-101</u>	d Entity code <u>M</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>2119067</u>

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

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

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

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

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

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

a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity 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

<div>SCHEDULE I (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation</div>	<div>Financial Information—Small Plan</div> <div>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).</div> <div>► File as an attachment to Form 5500.</div>	<div>OMB No. 1210-0110</div> <div>2016</div> <div>This Form is Open to Public Inspection</div>
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016	
A Name of plan RETIREMENT PLAN OF GCP APPLIED TECHNOLOGIES INC. CHEMICAL GROUP (NON-UNION HOURLY EMPLOYEES)	B Three-digit plan number (PN) ► 002
C Plan sponsor's name as shown on line 2a of Form 5500 GCP APPLIED TECHNOLOGIES INC.	D Employer Identification Number (EIN) 47-3936076

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

Part I	Small Plan Financial Information
--------	----------------------------------

Report below the current value of assets and liabilities, income, expenses, transfers and changes in net assets during the plan year. Combine the value of plan assets held in more than one trust. Do not enter the value of the portion of an insurance contract that guarantees during this plan year to pay a specific dollar benefit at a future date. Include all income and expenses of the plan including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar.

1 Plan Assets and Liabilities:		(a) Beginning of Year	(b) End of Year
a Total plan assets	1a	0	2119067
b Total plan liabilities	1b		1680
c Net plan assets (subtract line 1b from line 1a)	1c	0	2117387
2 Income, Expenses, and Transfers for this Plan Year:		(a) Amount	(b) Total
a Contributions received or receivable:			
(1) Employers.....	2a(1)	1000000	
(2) Participants.....	2a(2)		
(3) Others (including rollovers)	2a(3)		
b Noncash contributions	2b		
c Other income.....	2c	167759	
d Total income (add lines 2a(1), 2a(2), 2a(3), 2b, and 2c)	2d		1167759
e Benefits paid (including direct rollovers)	2e	15409	
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		
h Administrative service providers (salaries, fees, and commissions)	2h		
i Other expenses	2i	18075	
j Total expenses (add lines 2e, 2f, 2g, 2h, and 2i).....	2j		33484
k Net income (loss) (subtract line 2j from line 2d)	2k		1134275
l Transfers to (from) the plan (see instructions)	2l		983112

3 Specific Assets: If the plan held assets at any time during the plan year in any of the following categories, check "Yes" and enter the current value of any assets remaining in the plan as of the end of the plan year. Allocate the value of the plan's interest in a commingled trust containing the assets of more than one plan on a line-by-line basis unless the trust meets one of the specific exceptions described in the instructions.		Yes	No	Amount
a Partnership/joint venture interests	3a		X	
b Employer real property	3b		X	
c Real estate (other than employer real property).....	3c		X	
d Employer securities	3d		X	
e Participant loans	3e		X	
f Loans (other than to participants)	3f		X	
g Tangible personal property.....	3g		X	

Part II Compliance Questions

4 During the plan year:	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)			
4a		X	
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of plan year or classified during the year as uncollectible? Disregard participant loans secured by the participant's account balance.			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible?			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a.)			
4d		X	
e Was the plan covered by a fidelity bond?	X		15000000
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 at any time hold 20% or more of its assets in any single security, debt, mortgage, parcel of real estate, or partnership/joint venture interest?			
4i		X	
j Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4j		X	
k Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? If "No," attach an IQPA's report or 2520.104-50 statement. (See instructions on waiver eligibility and conditions.)			
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		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3			
4n			
o Defined Benefit Plan or Money Purchase Pension Plan Only: Were any distributions made during the plan year to an employee who attained age 62 and had not separated from service?			
4o			

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)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☒ Yes ☐ No ☐ Not determined.If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 3980073. (See instructions.)**Part III Trust Information****6a** Name of trust

GCP MASTER RETIREMENT TRUST

6b Trust's EIN

300888367

6c Name of trustee or custodian**6d** Trustee's or custodian telephone number

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

A Name of plan <u>RETIREMENT PLAN OF GCP APPLIED TECHNOLOGIES INC. CHEMICAL GROUP (NON-UNION HOURLY EMPLOYEES)</u>	B Three-digit plan number (PN) ▶ <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>GCP APPLIED TECHNOLOGIES INC.</u>	D Employer Identification Number (EIN) <u>47-3936076</u>

Part I	Distributions
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All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions	1	<u>0</u>
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>36-1561860</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	<u>2</u>

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
----------------	---

4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☒ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☒ N/A

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

10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2016
v. 160205

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

14	Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:		
	a The current year	14a	
	b The plan year immediately preceding the current plan year	14b	
	c The second preceding plan year	14c	
15	Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:		
	a The corresponding number for the plan year immediately preceding the current plan year	15a	
	b The corresponding number for the second preceding plan year	15b	
16	Information with respect to any employers who withdrew from the plan during the preceding plan year:		
	a Enter the number of employers who withdrew during the preceding plan year	16a	
	b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers	16b	
17	If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐		

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

18	If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment	☐
19	If the total number of participants is 1,000 or more, complete lines (a) through (c)	
	a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____%	
	b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more	
	c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____	

Part VII	IRS Compliance Questions
-----------------	---------------------------------

20a Is the plan a 401(k) plan? If "No," skip b	☐ Yes ☐ No
20b How did the plan satisfy the nondiscrimination requirements for employee deferrals under section 401(k)(3) for the plan year? Check all that apply:	☐ Design-based safe harbor ☐ "Prior year" ADP test ☐ "Current year" ADP test ☐ N/A
21a What testing method was used to satisfy the coverage requirements under section 410(b) for the plan year? Check all that apply:	☐ Ratio percentage test ☐ Average benefit test ☐ N/A
21b Did the plan satisfy the coverage and nondiscrimination requirements of sections 410(b) and 401(a)(4) for the plan year by combining this plan with any other plan under the permissive aggregation rules?	☐ Yes ☐ No
22a If the plan is a master and prototype plan (M&P) or volume submitter plan that received a favorable IRS opinion letter or advisory letter, enter the date of the letter / / and the serial number .	
22b If the plan is an individually-designed plan that received a favorable determination letter from the IRS, enter the date of the most recent determination letter / / .	

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Schedule SB, line 26—Schedule of Active Participant Data as of January 1, 2016

Attained Age	Number of Participants Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
<25										
25-29	1	4	1							
30-34		3	3							
35-39	2	2			1					
40-44		3	2		1					
45-49	3	4	1	3	1					
50-54	2	6	4	1	1			2	1	
55-59	1	2	1		2	2	2	2		
60-64		1					1	1	2	
65-69										
70+										

N-69

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

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

Interest Rates for Minimum Funding Purposes	Based on segment rates with a four-month lookback (as of September 2015), each adjusted as needed to fall within the 25-year average interest rate stabilization corridor
1st Segment Rate	4.43%
2nd Segment Rate	5.91%
3rd Segment Rate	6.65%
Interest Rates for Maximum Tax Purposes	Based on segment rates with a four-month lookback (as of September 2015), without regard to interest rate stabilization
1st Segment Rate	1.34%
2nd Segment Rate	4.03%
3rd Segment Rate	5.06%
Retirement Age	
Active Participants	See Table 1.
Terminated Vested Participants	See Table 2.
Mortality Rates	
Healthy and Disabled	2016 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e)
Withdrawal Rates	See Table 3.
Disability Rates	See Table 4.
Form of Benefit Payment	See Table 5.
Decrement Timing	Beginning of year decrements
Surviving Spouse Benefit	It is assumed that 80% of males and 80% of females have an eligible spouse, and that males are three years older than their spouses.
Benefit Limits	Projected benefits are limited by the current IRC section 415 maximum benefit of \$210,000.

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Valuation of Plan Assets

Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value.

A characteristic of this method is that the expected distribution of the value of plan assets is skewed toward understatement relative to the corresponding market values for expected long-term rates of return in excess of the third segment rate under IRC section 430(h)(2)(C)(iii).

Expected Return on Assets
2016 Plan Year

6.25%

The applicable third segment rate limitation is 6.65%.

Trust Expenses Included in
Target Normal Cost

\$6,176, actual expenses from prior year with a 5.00% load (allocated from spinoff from W.R. Grace Retirement Plan for Non-Union Hourly Employees of Subsidiary Corporations).

Actuarial Method

Standard unit credit cost method

Valuation Date

January 1, 2016

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 1

Retirement Rates—Active Participants

<u>Age</u>	<u>Rate</u>
55	21.00%
56	23.00%
57	22.00%
58	23.00%
59	19.00%
60	32.00%
61	38.00%
62	40.00%
63	35.00%
64	56.00%
65+	100.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 2

Retirement Rates—Terminated Vested Participants

<u>Age</u>	<u>Rate</u>
55	15.00%
56	5.00%
57	5.00%
58	5.00%
59	6.00%
60	6.00%
61	10.00%
62	20.00%
63	10.00%
64	15.00%
65+	100.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 3—Page 1 of 2

Withdrawal Rates

Age	Years of Service			
	0-1	2-4	5-9	10+
20	18.00%	14.00%	0.00%	0.00%
21	22.00%	18.00%	0.00%	0.00%
22	21.00%	21.00%	15.00%	0.00%
23	23.00%	18.00%	15.00%	0.00%
24	27.00%	18.00%	14.00%	0.00%
25	27.00%	16.00%	13.00%	0.00%
26	24.00%	16.00%	13.00%	0.00%
27	19.00%	14.00%	13.00%	0.00%
28	14.00%	15.00%	12.00%	11.00%
29	13.00%	14.00%	12.00%	11.00%
30	16.00%	13.00%	9.00%	12.00%
31	13.00%	14.00%	10.00%	13.00%
32	12.00%	14.00%	10.00%	8.00%
33	12.00%	12.00%	10.00%	8.00%
34	15.00%	12.00%	9.00%	7.00%
35	12.00%	13.00%	10.00%	6.00%
36	16.00%	12.00%	9.00%	7.00%
37	16.00%	11.00%	9.00%	6.00%
38	16.00%	10.00%	7.00%	6.00%
39	10.00%	11.00%	7.00%	6.00%
40	9.00%	9.00%	8.00%	6.00%
41	8.00%	8.00%	8.00%	6.00%
42	10.00%	8.00%	8.00%	6.00%
43	10.00%	10.00%	8.00%	5.00%
44	10.00%	8.00%	8.00%	6.00%
45	12.00%	9.00%	7.00%	5.00%
46	10.00%	10.00%	6.00%	5.00%
47	12.00%	12.00%	5.00%	4.00%
48	14.00%	13.00%	4.00%	4.00%
49	15.00%	12.00%	6.00%	4.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 3—Page 2 of 2

Withdrawal Rates

Age	Years of Service			
	0-1	2-4	5-9	10+
50	12.00%	12.00%	6.00%	3.00%
51	12.00%	11.00%	6.00%	3.00%
52	11.00%	10.00%	7.00%	3.00%
53	10.00%	9.00%	8.00%	3.00%
54	11.00%	8.00%	7.00%	3.00%
55+	0.00%	0.00%	0.00%	0.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 4
Disability Rates

Age	Rate	Age	Rate
18	0.04%	45	0.16%
19	0.04%	46	0.19%
		47	0.22%
20	0.04%	48	0.26%
21	0.04%	49	0.29%
22	0.04%		
23	0.04%	50	0.33%
24	0.04%	51	0.37%
		52	0.41%
25	0.04%	53	0.45%
26	0.05%	54	0.50%
27	0.05%		
28	0.05%	55	0.55%
29	0.05%	56	0.61%
		57	0.72%
30	0.05%	58	0.83%
31	0.05%	59	0.91%
32	0.05%		
33	0.06%	60	1.04%
34	0.06%	61	1.19%
		62	1.37%
35	0.06%	63	1.57%
36	0.07%	64	2.04%
37	0.07%		
38	0.07%	65+	0.00%
39	0.08%		
40	0.08%		
41	0.09%		
42	0.09%		
43	0.10%		
44	0.13%		

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 5

Form of Benefit Payment

<u>Payment Form</u>	<u>Probability</u>
Single Life Annuity	50.00%
10 Year Certain and Life	5.00%
100% Joint and Survivor Annuity	20.00%
75% Joint and Survivor Annuity	5.00%
66% Joint and Survivor Annuity	5.00%
50% Joint and Survivor Annuity	15.00%

Form 5500Department of the Treasury
Internal Revenue ServiceDepartment 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 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**2016****This Form is Open to Public Inspection****Part I Annual Report Identification Information**For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

- A** This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
☒ a single-employer plan ☐ a DFE (specify) _____
- B** This return/report is: ☒ the first return/report ☐ the final return/report
☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
- C** If the plan is a collectively-bargained plan, check here. ▶ ☐
- D** Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program
☐ special extension (enter description) _____

Part II Basic Plan Information—enter all requested information

1a Name of plan Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-Union Hourly Employees)	1b Three-digit plan number (PN) ▶ 002
	1c Effective date of plan 01/01/2016
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) GCP Applied Technologies Inc. 62 Whittemore Avenue Cambridge MA 02140	2b Employer Identification Number (EIN) 47-3936076 2c Plan Sponsor's telephone number 617-876-1400 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 <i>Charlotte Merrell</i>	<i>10/16/17</i>	Charlotte Merrell
Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE		
Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
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)		Preparer's telephone number

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN
	3c Administrator's telephone number <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
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 69
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).	
a(1) Total number of active participants at the beginning of the plan year	6a(1) 69
a(2) Total number of active participants at the end of the plan year	6a(2) 69
b Retired or separated participants receiving benefits.....	6b 1
c Other retired or separated participants entitled to future benefits	6c 2
d Subtotal. Add lines 6a(2) , 6b , and 6c	6d 72
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.	6e 0
f Total. Add lines 6d and 6e	6f 72
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 1
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7

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

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)	9b Plan benefit arrangement (check all that apply)
(1) ☐ Insurance	(1) ☐ Insurance
(2) ☐ Code section 412(e)(3) insurance contracts	(2) ☐ Code section 412(e)(3) insurance contracts
(3) ☒ Trust	(3) ☒ Trust
(4) ☐ General assets of the sponsor	(4) ☐ General assets of the sponsor

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

a Pension Schedules

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

b General Schedules

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

**SCHEDULE SB
(Form 5500)**Department of the Treasury
Internal Revenue ServiceDepartment of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

**Single-Employer Defined Benefit Plan
Actuarial Information**

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

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

OMB No. 1210-0110

2016**This Form is Open to Public
Inspection**

For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

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

A Name of plan Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-Union Hourly Employees)		B Three-digit plan number (PN) ▶ 002
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF GCP Applied Technologies, Inc.		D Employer Identification Number (EIN) 47-3936076
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B		F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I Basic Information

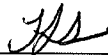
1 Enter the valuation date: Month 01 Day 01 Year 2016			
2 Assets:			
a Market value.....		2a	1,962,173
b Actuarial value.....		2b	1,962,173
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment.....	0	0	0
b For terminated vested participants.....	0	0	0
c For active participants.....	69	1,343,173	1,556,262
d Total.....	69	1,343,173	1,556,262
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐			
a Funding target disregarding prescribed at-risk assumptions.....		4a	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor.....		4b	
5 Effective interest rate.....	5	6.20%	
6 Target normal cost.....	6	75,803	

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**

Tricia Schwabenbauer



Signature of actuary

08/09/2017

Date

1707200

Tricia Schwabenbauer

Type or print name of actuary

Aon Consulting, Inc.

Firm name

Most recent enrollment number

410-547-2990

Telephone number (including area code)

500 East Pratt Street

Baltimore MD 21202

Address of the firm

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐**For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.****Schedule SB (Form 5500) 2016
v. 160205**

Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....		
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)		
9 Amount remaining (line 7 minus line 8).....	0	0
10 Interest on line 9 using prior year's actual return of _____ %		
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		929,180
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>6.21</u> %		57,702
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		
c Total available at beginning of current plan year to add to prefunding balance		986,882
d Portion of (c) to be added to prefunding balance		684,724
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).....	95	717,068

Part III Funding Percentages

14 Funding target attainment percentage	14	80.00%
15 Adjusted funding target attainment percentage	15	126.08%
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	116.58%
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? ☐ Yes ☒ No

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

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

Liquidity shortfall as of end of quarter of this plan year

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

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

21 Discount rate:				
a Segment rates:	1st segment: 4.43 %	2nd segment: 5.91 %	3rd segment: 6.65 %	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 4
22 Weighted average retirement age				22 58
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	75,803										
b Excess assets, if applicable, but not greater than line 31a	31b	0										
32 Amortization installments:	<table border="1"> <thead> <tr> <th></th> <th>Outstanding Balance</th> <th>Installment</th> </tr> </thead> <tbody> <tr> <td>a Net shortfall amortization installment</td> <td>311,252</td> <td>51,426</td> </tr> <tr> <td>b Waiver amortization installment</td> <td>0</td> <td>0</td> </tr> </tbody> </table>				Outstanding Balance	Installment	a Net shortfall amortization installment	311,252	51,426	b Waiver amortization installment	0	0
	Outstanding Balance	Installment										
a Net shortfall amortization installment	311,252	51,426										
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	127,229										
		Carryover balance	Prefunding balance									
35 Balances elected for use to offset funding requirement	95	127,134	127,229									
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

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Schedule SB, line 9—Explanation of Credit Balance Discrepancy

Line 13 of the 2016 Schedule SB has been adjusted to reflect the development of the Funding Balances.

A portion of W.R. Grace & Co. was sold off to GCP Applied Technologies, Inc. as of January 1, 2016. As of that date, Plan assets and liabilities were allocated between those participants included in the spin-off and those remaining in the Plan. As a result the Funding Balances were adjusted as of January 1, 2016 for the spin-off. The exhibit below shows the calculation of the Funding Balances before the spin-off and the amount of the Funding Balance after the spin-off.

	Carryover Balance	Prefunding Balance
(1) Beginning Balance, January 1, 2015	\$ 0	\$ 0
(2) Balances Used During 2015		
(a) Balance Applied to 2015		
Minimum Required Contribution	\$ 0	\$ 0
(b) Balance Waived or Deemed Waived for 2015 Plan Year	0	0
(c) Total	\$ 0	\$ 0
(3) Amount Remaining, (1) – 2(c)	\$ 0	\$ 0
(4) Investment Return During 2015 Plan Year	N/A	N/A
(5) Interest Earned on Balance, (3) x (4)	\$ 0	\$ 0
(6) Prior Year Excess Contributions		
(a) Excess 2015 Plan Year Contributions		
(i) Excess Cash Contributions	N/A	\$ 929,180
(ii) Excess Contributions Due to Balances	N/A	0
(iii) Total Excess Contributions	N/A	\$ 929,180
(b) Interest to December 31, 2015 ¹		
(i) On Excess Cash Contributions	N/A	\$ 57,702
(ii) On Excess Contributions Due to Balances	N/A	0
(iii) On Total Excess Contributions	N/A	\$ 57,702
(c) Total Available to Add to Balance 6a(iii) + 6b(iii)	N/A	\$ 986,882
(d) Excess Contributions Added to Balance ²	N/A	\$ 684,724
(7) Preliminary Balance, January 1, 2016, (3) + (5) + 6(d)	\$ 0	\$ 684,724
(8) Balance Waived or Deemed Waived for 2016 Plan Year	0	0

¹ As applicable, interest on contributions in excess of the minimum required contribution before applying funding balances uses the effective interest rate of 6.21%, and interest on excess contributions attributable to the use of funding balances to offset the minimum required contribution uses the plan's investment return.

² GCP Applied Technologies Inc. elected to add a portion of the available excess contributions to the prefunding balance to attain a funding target attainment percentage of 80%.

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Schedule SB, line 9—Explanation of Credit Balance Discrepancy

(9)	Balance, January 1, 2016, (7) – (8)	\$	0	\$	684,724
(10)	Spinoff Amount	\$	95	\$	32,344
(11)	Balance, January 1, 2016 after Plan Spinoff, (9) + (10)	\$	95	\$	717,068

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Schedule SB, line 22—Description of Weighted Average Retirement Age

The average retirement age shown in line 22 has been calculated by assuming the following retirement rates and no decrements other than retirement for this calculation. All retirements are assumed to occur at beginning of year.

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55	21.00%	1.0000	11.55
56	23.00%	0.7900	10.18
57	22.00%	0.6083	7.63
58	23.00%	0.4745	6.33
59	19.00%	0.3653	4.10
60	32.00%	0.2959	5.68
61	38.00%	0.2012	4.66
62	40.00%	0.1248	3.09
63	35.00%	0.0749	1.65
64	56.00%	0.0487	1.74
65	100.00%	0.0214	1.39
Weighted Average			58.00

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

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

Interest Rates for Minimum Funding Purposes	Based on segment rates with a four-month lookback (as of September 2015), each adjusted as needed to fall within the 25-year average interest rate stabilization corridor
1st Segment Rate	4.43%
2nd Segment Rate	5.91%
3rd Segment Rate	6.65%
Interest Rates for Maximum Tax Purposes	Based on segment rates with a four-month lookback (as of September 2015), without regard to interest rate stabilization
1st Segment Rate	1.34%
2nd Segment Rate	4.03%
3rd Segment Rate	5.06%
Retirement Age	
Active Participants	See Table 1.
Terminated Vested Participants	See Table 2.
Mortality Rates	
Healthy and Disabled	2016 static mortality table for annuitants and non-annuitants per §1.430(h)(3)-1(e)
Withdrawal Rates	See Table 3.
Disability Rates	See Table 4.
Form of Benefit Payment	See Table 5.
Decrement Timing	Beginning of year decrements
Surviving Spouse Benefit	It is assumed that 80% of males and 80% of females have an eligible spouse, and that males are three years older than their spouses.
Benefit Limits	Projected benefits are limited by the current IRC section 415 maximum benefit of \$210,000.

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Valuation of Plan Assets

Smoothed fair market value of assets over the current and prior two years, adjusted for contributions, benefit payments, administrative expenses, and expected earnings. The average value of assets calculated in this manner is further limited to not less than 90% nor more than 110% of fair market value.

A characteristic of this method is that the expected distribution of the value of plan assets is skewed toward understatement relative to the corresponding market values for expected long-term rates of return in excess of the third segment rate under IRC section 430(h)(2)(C)(iii).

Expected Return on Assets
2016 Plan Year

6.25%

The applicable third segment rate limitation is 6.65%.

Trust Expenses Included in
Target Normal Cost

\$6,176, actual expenses from prior year with a 5.00% load (allocated from spinoff from W.R. Grace Retirement Plan for Non-Union Hourly Employees of Subsidiary Corporations).

Actuarial Method

Standard unit credit cost method

Valuation Date

January 1, 2016

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 1

Retirement Rates—Active Participants

<u>Age</u>	<u>Rate</u>
55	21.00%
56	23.00%
57	22.00%
58	23.00%
59	19.00%
60	32.00%
61	38.00%
62	40.00%
63	35.00%
64	56.00%
65+	100.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 2

Retirement Rates—Terminated Vested Participants

<u>Age</u>	<u>Rate</u>
55	15.00%
56	5.00%
57	5.00%
58	5.00%
59	6.00%
60	6.00%
61	10.00%
62	20.00%
63	10.00%
64	15.00%
65+	100.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 3—Page 1 of 2

Withdrawal Rates

Age	Years of Service			
	0-1	2-4	5-9	10+
20	18.00%	14.00%	0.00%	0.00%
21	22.00%	18.00%	0.00%	0.00%
22	21.00%	21.00%	15.00%	0.00%
23	23.00%	18.00%	15.00%	0.00%
24	27.00%	18.00%	14.00%	0.00%
25	27.00%	16.00%	13.00%	0.00%
26	24.00%	16.00%	13.00%	0.00%
27	19.00%	14.00%	13.00%	0.00%
28	14.00%	15.00%	12.00%	11.00%
29	13.00%	14.00%	12.00%	11.00%
30	16.00%	13.00%	9.00%	12.00%
31	13.00%	14.00%	10.00%	13.00%
32	12.00%	14.00%	10.00%	8.00%
33	12.00%	12.00%	10.00%	8.00%
34	15.00%	12.00%	9.00%	7.00%
35	12.00%	13.00%	10.00%	6.00%
36	16.00%	12.00%	9.00%	7.00%
37	16.00%	11.00%	9.00%	6.00%
38	16.00%	10.00%	7.00%	6.00%
39	10.00%	11.00%	7.00%	6.00%
40	9.00%	9.00%	8.00%	6.00%
41	8.00%	8.00%	8.00%	6.00%
42	10.00%	8.00%	8.00%	6.00%
43	10.00%	10.00%	8.00%	5.00%
44	10.00%	8.00%	8.00%	6.00%
45	12.00%	9.00%	7.00%	5.00%
46	10.00%	10.00%	6.00%	5.00%
47	12.00%	12.00%	5.00%	4.00%
48	14.00%	13.00%	4.00%	4.00%
49	15.00%	12.00%	6.00%	4.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 3—Page 2 of 2

Withdrawal Rates

Age	Years of Service			
	0-1	2-4	5-9	10+
50	12.00%	12.00%	6.00%	3.00%
51	12.00%	11.00%	6.00%	3.00%
52	11.00%	10.00%	7.00%	3.00%
53	10.00%	9.00%	8.00%	3.00%
54	11.00%	8.00%	7.00%	3.00%
55+	0.00%	0.00%	0.00%	0.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 4
Disability Rates

Age	Rate	Age	Rate
18	0.04%	45	0.16%
19	0.04%	46	0.19%
		47	0.22%
20	0.04%	48	0.26%
21	0.04%	49	0.29%
22	0.04%		
23	0.04%	50	0.33%
24	0.04%	51	0.37%
		52	0.41%
25	0.04%	53	0.45%
26	0.05%	54	0.50%
27	0.05%		
28	0.05%	55	0.55%
29	0.05%	56	0.61%
		57	0.72%
30	0.05%	58	0.83%
31	0.05%	59	0.91%
32	0.05%		
33	0.06%	60	1.04%
34	0.06%	61	1.19%
		62	1.37%
35	0.06%	63	1.57%
36	0.07%	64	2.04%
37	0.07%		
38	0.07%	65+	0.00%
39	0.08%		
40	0.08%		
41	0.09%		
42	0.09%		
43	0.10%		
44	0.13%		

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Table 5

Form of Benefit Payment

<u>Payment Form</u>	<u>Probability</u>
Single Life Annuity	50.00%
10 Year Certain and Life	5.00%
100% Joint and Survivor Annuity	20.00%
75% Joint and Survivor Annuity	5.00%
66% Joint and Survivor Annuity	5.00%
50% Joint and Survivor Annuity	15.00%

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Schedule SB, Part V—Summary of Plan Provisions

General Information

Original Effective Date	January 1, 2016
Effective Date of Last Amendment	N/A
Plan Year	January 1 to December 31
Employer Fiscal Year	January 1 to December 31
Employer ID Number	47-3936076
Plan Administrator's ID Number	47-3936076
Plan Number	002
Plan Administrator	Administrative Committee

Eligibility One year of service

Service

Credited Service	From date of participation
Vesting Service	1,000 hours of service

Normal Retirement

Eligibility	Age 65
Benefit	Benefit level per month multiplied by credited service:

Effective Date	Benefit Level
January 1, 2002	\$27.00

Average Compensation N/A

Early Retirement

Eligibility	Age 55
Benefit	Accrued benefit reduced $\frac{1}{3}\%$ per month preceding age 65

Disability Retirement

Eligibility	Age 45 and 10 years of service.
Benefit	Accrued benefit with service projected to age 65

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Postponed Retirement Eligibility	Actual retirement after age 65
Benefit	A monthly benefit equal to the accrued benefit calculated as of the actual retirement date.
Preretirement Death Eligibility	Five years of service or age 55
Benefit	Accrued benefit at age 55
Severance Benefit Eligibility	
Fewer Than Five Years of Service	0%
Five or More Years of Service	100%
Benefit	Accrued benefit at age 65
Normal Form of Payment	
Married	Reduced 50% joint and survivor
Single	Life annuity
Optional Methods of Settlement	Reduced benefit to be paid during participant's lifetime with the provision that after his death, a benefit equal to either 100%, 75%, 66%, or 50% is paid to his beneficiary.
	Increased retirement benefit paid prior to Social Security benefit eligibility and reduced benefit paid thereafter in order to provide a uniform income.
	A reduced benefit to be paid for 120 months certain and thereafter for life

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

For the purpose of calculating a joint and survivor optional form of benefit the following factors (as adjusted) shall be applied:

J&S Option	(1) Participant and Beneficiary Age 65 Nearest Birthday	(2) Adjustment for Retirement Age ¹	(3) Adjustment for Age Difference Between Participant and Beneficiary ²	
			Years 1–10	Years 11 & Over
50%	0.88	0.004	0.005	0.003
66.67%	0.85	0.005	0.006	0.003
75%	0.82	0.006	0.007	0.005
100%	0.78	0.007	0.008	0.005

In no event shall the factor in column (1) exceed 0.99 on account of an increase thereof provided under column (2) or column (3), or both.

For the purpose of calculating any other optional form of benefit available, mortality with reference to the UP-84 mortality table and 6.50% interest.

Plan Changes Since the Prior Year

The funding valuations reflect the following plan change:

- The plan was spun-off from the W.R. Grace Retirement Plan for Non-Union Hourly Employees of Subsidiary Corporations.

¹ Increase/decrease factor in column (1) by appropriate factor in column (2) for each year, based on nearest birthday, participant retires before/after age 65, respectively.

² Decrease/increase factor in column (1) by appropriate factor in column (3) for each year, based on nearest birthday, beneficiary is younger/older than participant, respectively.

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
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EIN: 47-3936076 PN: 002

Other Information to Fully and Fairly Disclose the Actuarial Position of the Plan

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- Due to software limitations with the electronic filing process, information filed electronically cannot be controlled by the Enrolled Actuary. The values on the signed Schedule SB will govern to the extent there are any differences in the entries filed electronically and the actual data contained on the signed Schedule SB.

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
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Schedule SB, line 26—Schedule of Active Participant Data as of January 1, 2016

Attained Age	Number of Participants Years of Credited Service									
	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+
<25										
25-29	1	4	1							
30-34		3	3							
35-39	2	2			1					
40-44		3	2		1					
45-49	3	4	1	3	1					
50-54	2	6	4	1	1			2	1	
55-59	1	2	1		2	2	2	2		
60-64		1					1	1	2	
65-69										
70+										

N-69

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Schedule SB, line 32—Schedule of Amortization Bases

Type of Base	Present Value of Installment	Date Established	Years Remaining	Amortization Installment
Shortfall	\$ 311,252	January 1, 2016	7	\$ 51,426

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
Union Hourly Employees)
EIN: 47-3936076 PN: 002

Schedule SB, line 9—Explanation of Credit Balance Discrepancy

Line 13 of the 2016 Schedule SB has been adjusted to reflect the development of the Funding Balances.

A portion of W.R. Grace & Co. was sold off to GCP Applied Technologies, Inc. as of January 1, 2016. As of that date, Plan assets and liabilities were allocated between those participants included in the spin-off and those remaining in the Plan. As a result the Funding Balances were adjusted as of January 1, 2016 for the spin-off. The exhibit below shows the calculation of the Funding Balances before the spin-off and the amount of the Funding Balance after the spin-off.

	Carryover Balance	Prefunding Balance
(1) Beginning Balance, January 1, 2015	\$ 0	\$ 0
(2) Balances Used During 2015		
(a) Balance Applied to 2015		
Minimum Required Contribution	\$ 0	\$ 0
(b) Balance Waived or Deemed Waived for 2015 Plan Year	0	0
(c) Total	\$ 0	\$ 0
(3) Amount Remaining, (1) – 2(c)	\$ 0	\$ 0
(4) Investment Return During 2015 Plan Year	N/A	N/A
(5) Interest Earned on Balance, (3) x (4)	\$ 0	\$ 0
(6) Prior Year Excess Contributions		
(a) Excess 2015 Plan Year Contributions		
(i) Excess Cash Contributions	N/A	\$ 929,180
(ii) Excess Contributions Due to Balances	N/A	0
(iii) Total Excess Contributions	N/A	\$ 929,180
(b) Interest to December 31, 2015 ¹		
(i) On Excess Cash Contributions	N/A	\$ 57,702
(ii) On Excess Contributions Due to Balances	N/A	0
(iii) On Total Excess Contributions	N/A	\$ 57,702
(c) Total Available to Add to Balance 6a(iii) + 6b(iii)	N/A	\$ 986,882
(d) Excess Contributions Added to Balance ²	N/A	\$ 684,724
(7) Preliminary Balance, January 1, 2016, (3) + (5) + 6(d)	\$ 0	\$ 684,724
(8) Balance Waived or Deemed Waived for 2016 Plan Year	0	0

¹ As applicable, interest on contributions in excess of the minimum required contribution before applying funding balances uses the effective interest rate of 6.21%, and interest on excess contributions attributable to the use of funding balances to offset the minimum required contribution uses the plan's investment return.

² GCP Applied Technologies Inc. elected to add a portion of the available excess contributions to the prefunding balance to attain a funding target attainment percentage of 80%.

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
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Schedule SB, line 9—Explanation of Credit Balance Discrepancy

(9)	Balance, January 1, 2016, (7) – (8)	\$	0	\$	684,724
(10)	Spinoff Amount	\$	95	\$	32,344
(11)	Balance, January 1, 2016 after Plan Spinoff, (9) + (10)	\$	95	\$	717,068

Schedule SB Attachment (Form 5500)—2016 Plan Year
Retirement Plan of GCP Applied Technologies Inc. Chemical Group (Non-
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Schedule SB, line 22—Description of Weighted Average Retirement Age

The average retirement age shown in line 22 has been calculated by assuming the following retirement rates and no decrements other than retirement for this calculation. All retirements are assumed to occur at beginning of year.

(a) Age	(b) Rate	(c) Weight	(d) Product (a) × (b) × (c)
55	21.00%	1.0000	11.55
56	23.00%	0.7900	10.18
57	22.00%	0.6083	7.63
58	23.00%	0.4745	6.33
59	19.00%	0.3653	4.10
60	32.00%	0.2959	5.68
61	38.00%	0.2012	4.66
62	40.00%	0.1248	3.09
63	35.00%	0.0749	1.65
64	56.00%	0.0487	1.74
65	100.00%	0.0214	1.39
Weighted Average			58.00

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